Amphenol Connecting People and Technology

Amphenol RF Europe

RF/Microwave
Coaxial Connectors

Cable Group	Applicable Cables
01	141/ 303/ 58/ 58A/ B7806A/ LMR195/ KX15/ M17-28/ L190-16/ L910-30
01A	142/ 142A/ 142B/ 223/ 400/ 55/ M17-84/ KX23
01B	B7807A/ LMR200
02	122/ 58 Plenum/ 58 Thinnet/ B88240/ B89907
03	140/ 210/ 59/ 59A/ 59B/ 62/ 62A/ M17-30/ KX30/ M17-29/ KX25/ KX52/ KX53/ KX61/ L910-12/ L910-13
03A	59-20AWG
04	59 Plenum
04A	59 Plenum-20AWG
05	174/ 188/ 188A/ 316/ B7805A/ KX3/ KX22/ M17-113/ M17-119
05A	316 Double Braided
06	179/ 179A/ 179B/ 187/ 187A/ B9221/ M17-94/ L910-22/ KX55
06A	179 Double Braided
07	213/ 393/ 8/ 8A/ KX4
07A	241/ KX13
07B	8X/ B7808A/ LMR240
07C	B7810A/ B8214/ B9913/ LMR400
07D	B89913
07E	11/11A
07F	11-14AWG/ B1859A/ B7731/ B8213/ B9292/ KX8
08	143/ 212/ 6/ KX50/ KX51/ L910-8
08A	B1694A/ B9248
08B	6 Plenum/ B1695A
09	B8227/ B89207
10	.141 semi rigid/ RG402/ KS52
11	.085 semi rigid/ 405/ KS51
12	.250 semi rigid
13	.047 semi rigid
14	178/ 178A/ 178B/ 196/ 196A
15	B8281/ B9141/ B9231
15A	B88281
16	180/ 180A/ 195/ B1855/ B1865A/ B8218/ M17-95/ L910-19/ FLEX3
16A	BT3002/ L910-34/ L910-39
17	LMR600
18	AT&T734A/ B1505A
19	AT&T735A/ B735A1
20	ST212/1/ ST212/2
21	ST214/1/ ST214/2
22	FLEX 5/75
23	RA7000
24	Mini-Coax (2mm)
25	BT2003/ TR-SP109/ Suhner 2SPTT6010

See page 219 for coaxial crimp tools

Applicable Cables	Cable Group
.047 semi rigid	13
.085 semi rigid	11
.141 semi rigid	10
.250 semi rigid	12
6	08
6 Plenum	08B
8	07
8A	07
8X	07B
11	07E
11-14AWG	07F
11A	07E
55	01A
58	01
58 Plenum	02
58 Thinnet	02
58A	01
58C	01
59	03
59A	03
59B	03
59-20AWG	03A
59 Plenum	04
59 Plenum-20AWG	04A
62	03
62A	03
122	02
140	03
141	01
142	01A
142A	01A
142B	01A
143	08
174	05
178	14
178A	14
178B	14
179	06
179A	06
179B	06
179 Double Braided	06A
180	16
180A	16
187	06
187A	06
188	05
188A	05
195	16
196	14
196A	14
210	03
212	08
213	07
214	07A
223	01A
303	01
316	05
316 Double Braided	05A
393	07
400	01A
405	11
AT&T734A	18
AT&T735A	19
B1505A	18
B1694A	08A
B1695A	08B
B1855	16
B1859A	07F
B1865A	16
B735A1	19
B7731	07F
B7805A	05
B7806A	01
B7807A	01B
B7808A	07B
B7810A	07C
B8213	07F
B8214	07C
B8218	16
B8227	09
B8281	15
B88240	02
B88281	15A
B89207	09
B89907	02
B89913	07D
B9141	15
B9221	06
B9231	15
B9248	08A
B9292	07F
B9913	07C
BT3002	16
BT2003	25
FLEX3	16
FLEX 5/75	22
KS51	11
KS52	10
KX3	05
KX4	07
KX8	07F
KX13	07A
KX15	01
KX22	05
KX23	01A
KX25	03
KX30	03
KX50	08
KX51	08
KX52	03
KX53	03
KX55	06
KX61	03
L910-8	08
L910-12	03
L910-13	03
L190-16	01
L910-19	16
L910-22	06
L910-30	01
L910-34	16
LMR195	01
LMR200	01B
LMR240	07B
LMR400	07C
LMR600	17
M17-28	01
M17-29	03
M17-30	03
M17-84	01A
M17-94	06
M17-95	16
M17-113	05
M17-119	05
Mini-Coax (2mm)	24
RA7000	23
RG402	10
ST212/1	20
ST212/2	20
ST214/1	21
ST214/2	21
Suhner 2SPTT6010	25
TR-SP109	25

The Company

Amphenol Corporation is one of the largest manufacturers of interconnect products of the world. The company designs, manufactures and markets RF/microwave connectors; flat ribbon cable and interconnect systems; CATV cable and connectors; electronic connectors; and fiber-optic connectors.

The primary end markets for Amphenol products are communications and information processing, including cable television, cellular telephone, data communications and instrumentation; aerospace and military electronics; automotive, rail and other transportation; and industrial applications.

Amphenol Corporation is a world leader in providing intergrated interconnect solutions to the telecommunications industry. Recognized worldwide as a technology leader in the wireless market, Amphenol offers a full complement of RF coaxal products from MMCX connectors used on cellular subsciber units to low intermodulation 7-16 DIN connectors used on cellular base stations. Today, Amphenol is a major player in this global arena; a position founded on the combined strengths of a broad product line and a leadership role in product innovation.

As the information super highway expands, the demand for interconnect solutions continues to grow into new and exciting areas. Amphenol is a leading producer of broadband coaxial cable, connectors and fiber optic interconnect components. Amphenol is uniquely capable of supplying the complete Hybrid Fiber/Coaxial (HFC) interconnect systems which form the backbone of the information super highway.

Amphenol

As a result, every household, business, private and government institution is a potential customer and will depend on Amphenol's commitment to quality and product innovation.

In the area of computers and electronic data interchange, Amphenol continues to concentrate on the fastest growing segments; such as cable assemblies and line terminators which bring reliable, miniaturized solutions to LANS and other interactive communications networks, to high density connectors utilized in next generation global telecommunications switching systems.

Amphenol's ability to provide fully integrated solutions even extends into the arena of smart card technology, where microchips and sophisticated chip card acceptor devices are being combined for a growing number of applications from banking, to security, to medicine, to voice recognition systems.

Maintaining this position as a leader in the field of communications requires close interaction with a worldwide customer base through international management teams, distributed manufacturing, global quality assurance programs and sophisticated distribution networks. By remaining totally commited to the customer, Amphenol provides the very highest levels of quality and responsive service, anywhere in the world.

Amphenol RF Divisions

Amphenol is the world's largest manufacturer of RF connectors with experience extending over half a century. Our complete range of RF interconnect products are used in the cellular/ PCS, telecommunications, computer networking and instrumentation industries. These include Standard/ Miniature connectors (UHF, Mini-UHF, N, 50 & 75 ohm BNC, and RP-BNC, Twinaxial, DIN 1.6/5.6, TNC and RP-TNC); Subminiature connectors (SMA and RP-SMA, SMB, SMC, DIN 1.0/2.3, and size 8 contacts); MicroMate™ Microminiature connectors; DIN 7-16 and corrugated cable connectors. Amphenol offers a full line of semiflex and drop cable connectors to meet the demanding requirements of HFC broadband infrastructure being developed by CATV MSOs and telephone companies worldwide.

Complementing the RF connector product line is a comprehensive collection of low frequency connectors used in telecommunications, computer, and instrumentation markets. These include mass-terminated IDC connectors, D-Subminiature connectors, SCSI 2&3 connectors, Micro-Ribbon connectors, MeMs, Mini-DIN, Flexprint connectors and DIN 41612.

Commitment to Customer Service

For over 60 years, leading manufacturers of communications, consumer, industrial and aerospace products have relied on Amphenol to provide total interconnect solutions.
Maintaining this high level of customer trust requires a total concern for complete customer satisfaction at all levels - from engineering, to manufacturing, to quality assurance. Since many products are custom designed to individual customer specifications, often for the harshest environments, it's critical that a teamwork approach be taken, involving the customer at all levels. It starts with the design engineers who listen closely to customer needs, combining solid analytic skills with the latest CAE and CAD tools to quickly solve problems.

Amphenol also employs multifunctional teams to ensure that all products are designed for manufacturability. Serving the needs of our customers also requires a strong worldwide manufacturing presence. That's why we operate advanced production an assembly facilities strategically located across three continents. Yet, our quality remains exceptionally uniform and internationally standardized, from raw materials testing, through design engineering, to automated manufacturing and sub-assembly, to fully documented and traceable test procedures developed in accordance with customer specifications.

Amphenol also employs Statistical Process Control and has obtained ISO 9000 Certification for all its production facilities worldwide. As a result, we offer precisely what every customer is looking for - world class quality at the lowest possible cost.

Did you know?

- **UHF** - Invented in the 1930's by an Amphenol engineer, E. Clark Quackenbush, for use in the radio industry.
- **N** - Was the first coaxial connector capable of microwave performance and was invented by and named for Paul Neill of Bell Labs.
- **C** - Invented by and named for Amphenol engineer Carl Concelman. Type C has quick connect/disconnect bayonet coupling features.
- **BNC** - A miniature version of the Type C. The name stands for Bayonet Neill Concelman.
- **TNC** - The name stands for threaded Neill Concelman. This series features threaded screws for mating.

COAX CABLE ASSEMBLIES

Amphenol cable assemblies

Amphenol RF Europe is dedicated to providing high quality RF microwave cable assemblies to meet any application. We can work with any coax, twinax or triax cable currently being manufactured, semi-rigid or flexible, with cable length to any customer specification.
With our acquisition of Connexus, a leading Swedish RF cable assembly producer, we are in the position of supplying you with cost competitive Coax assemblies.

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**The Amphenol MMCX series is the next generation of micro-miniature connectors.
Offering a reliable broadband performance from DC to 6 GHz.
These 50 ohm connectors incorporate the industry-approved MMCX interface, assuring reliable snap-on/quick-disconnect mating and proven electrical performance.
It's low-profile PCB receptacles make this series ideal for high-volume cellular, GPS and wireless base station applications.**

Electrical Specifications

Impedance	50 ohm
Frequency range	0-6 GHz
Working voltage	170 VRMS max. at sea level
Dielectric withstanding voltage	500 VRMS min. at sea level
VSWR	Straight 1.3 max. Right angle 1.5 max.
Contact Resistance	Center contact 5 milliohms max. Outer conductor 2.5 milliohms max.
Insulator resistance	1000 Megohms min.

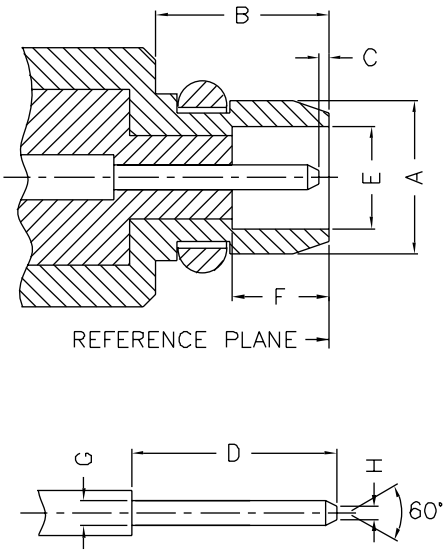
Material Specifications

Parts Name		Material	Finish
Body, Metal parts		Brass per QQ-B-626	Nickel or gold per requirement
Center	Male	Brass per QQ-B-626	Gold plated
Contacts	Female	Beryllium copper, per QQ-C-530	Gold plated
Insulators		PTFE	None
Crimp ferrules		Annealed copper	Nickel or gold per requirement

Mechanical Specifications

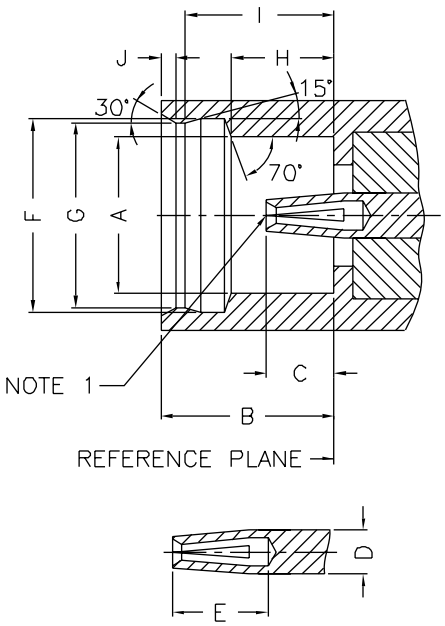
Engagement force	3.4 lbs max.
Disengagement force	1.4 lbs - 4.4 lbs
Contact retention	2.3 lbs. Min.
Durability (matings)	500 cycles min.

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	-	2.40 [.095]
B	2.70 [.106]	-
C	0.00	0.25 [.010]
D	-	3.15 [.124]
E	1.58 [.062]	1.62 [.064]
F	1.45 [.057]	-
G	0.38 [.150]	0.42 [.017]
H	-	0.20 [.008]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	2.40 [.095]	-
B	2.60 [.102]	-
C	0.90 [.035]	1.20 [.047]
D	0.68 [.027]	0.72 [.028]
E	1.40 [.055]	-
F	3.00 [.118]	3.04 [.120]
G	2.87 [.113]	2.90 [.114]
H	1.57 [.062]	1.63 [.064]
I	2.30 [.091]	2.34 [.092]
J	-	0.23 [.009]

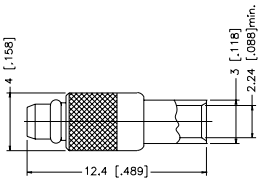
Note: 1. I.D. to meet VSWR and Contact Resistance when mated with 0.38/0.42 mm Dia. Pin.

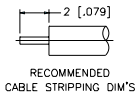
All connector bodies, unless otherwise noted, are machined brass, 3µ" gold-plated.
All insulators are Teflon.
All center contacts are 30µ" gold plated.
All dimensions are in millimeters and [inches].

Direct Solder Attachment for Semi-Rigid .047" and .085" Cable

Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MMCX1181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A





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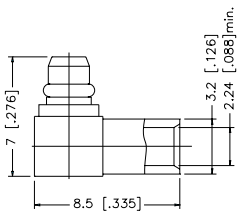
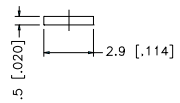
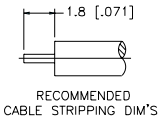
Right Angle Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1182A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MMCX1182A1-3GT30G-13-50	13	Gold	Teflon	50	N/A







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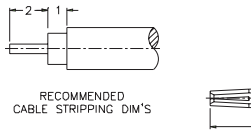
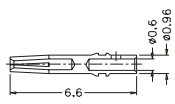
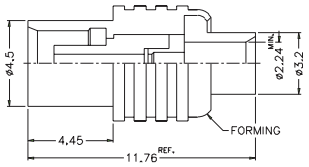
Straight Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX6181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MMCX6181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A







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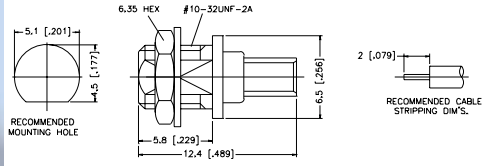
Assembly Instruction E - page 227

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Direct Solder Attachment for Semi-Rigid .047" and .085" Cable

Straight Solder Bulkhead Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Cable Tool
MMCX6481A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MMCX6481A1-3GT30G-13-50	13	Gold	Teflon	50	N/A



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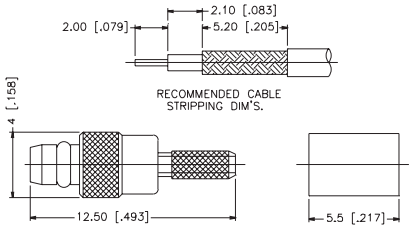
Crimp Attachment for Flexible Cable

Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1121A1-3GT30G-5-50	05	Gold	Teflon	50	1
MMCX1121A1-3GT30G-5A-50	5A	Gold	Teflon	50	2
MMCX1121A1-3GT30G-14-50	14	Gold	Teflon	50	1



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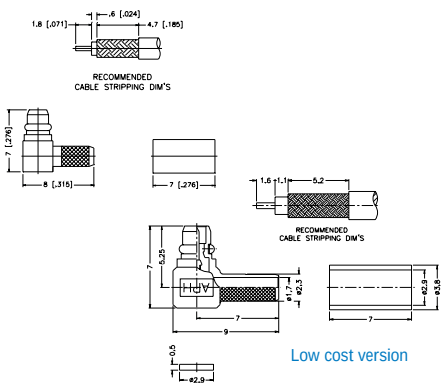
Right Angle Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1112A1-3GT30G-5-50	05	Gold	Teflon	50	1
MMCX1112A1-3GT30G-5A-50	5A	Gold	Teflon	50	2
MMCX1112A1-3GT30G-14-50	14	Gold	Teflon	50	1
MMCX1112D2-3GT30G-5-50	5	Gold	Teflon	50	1
MMCX1112D2-3GT30G-14-50	14	Gold	Teflon	50	1
Low cost version, diecast					



Low cost version

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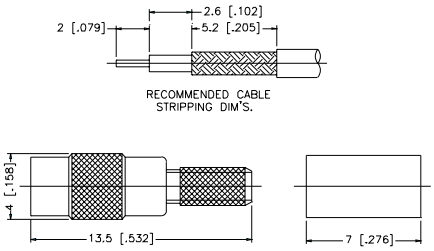
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Crimp Attachment for Flexible Cable

Straight Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX6121A1-3GT30G-5-50	05	Gold	Teflon	50	1
MMCX6121A1-3GT30G-5A-50	5A	Gold	Teflon	50	2
MMCX6121A1-3GT30G-14-50	14	Gold	Teflon	50	1



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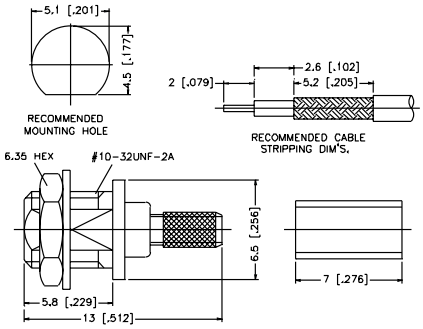
Bulkhead Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX6421A1-3GT30G-5-50	05	Gold	Teflon	50	1
MMCX6421A1-3GT30G-5A-50	5A	Gold	Teflon	50	2
MMCX6421A1-3GT30G-14-50	14	Gold	Teflon	50	1

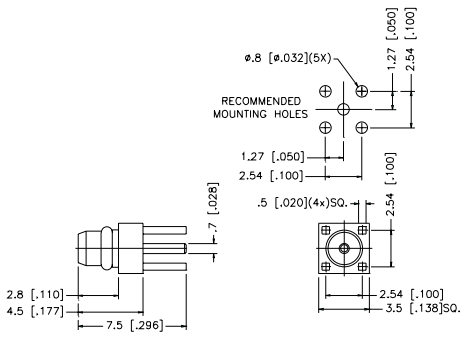


Assembly Instruction J - page 232

Printed circuit Board Connectors

Straight Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1251N1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MMCX1251N1-002-3GT30G-50 surface mount	N/A	Gold	Teflon	50	N/A

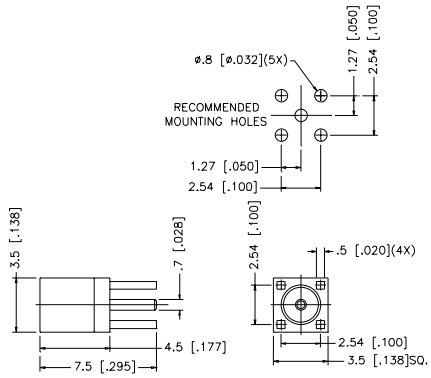


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed circuit Board Connectors

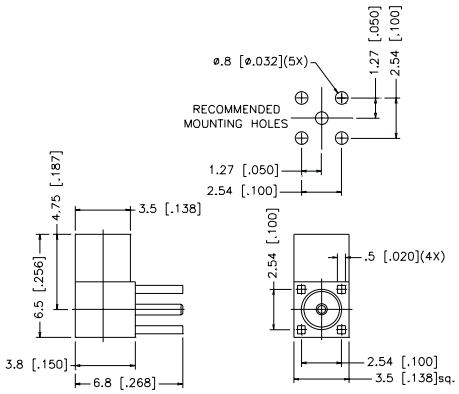
Straight Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Cable Tool
MMCX6251N1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MMCX6251N2-3GT30G-50 surface mount	N/A	Gold	Teflon	50	N/A



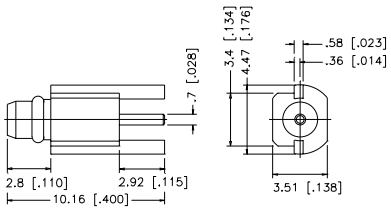
Right Angle Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX6252N1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Edge Card or Vertical Mount Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX1251S1-3GT30G-50	N/A	Gold	Teflon	50	N/A



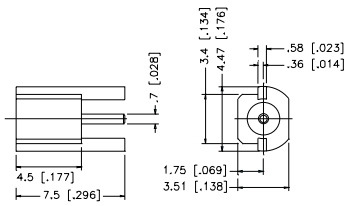
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed circuit Board Connectors

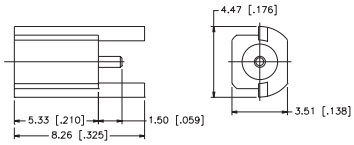
Edge Card or Vertical Mount Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX6251S1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MMCX6251S1-001-3GT30G-50 Offset PC Legs	N/A	Gold	Teflon	50	N/A

MMCX6251S1-3GT30G-50

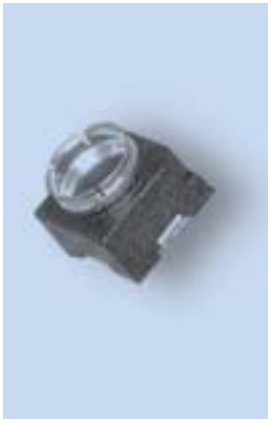


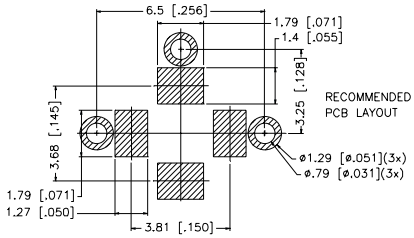
MMCX6251S1-001-3GT30G-50

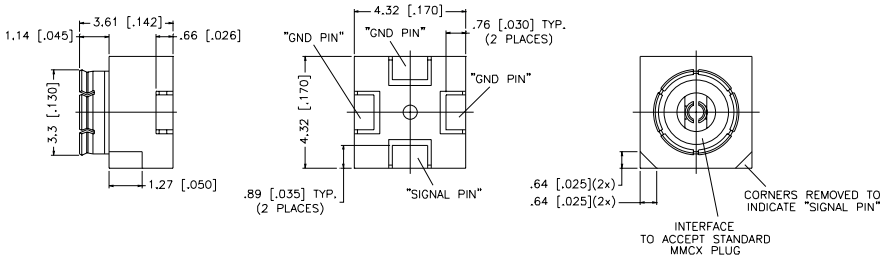


Surface Mount Jack Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-908-22101	N/A	Gold	LPC	50	N/A





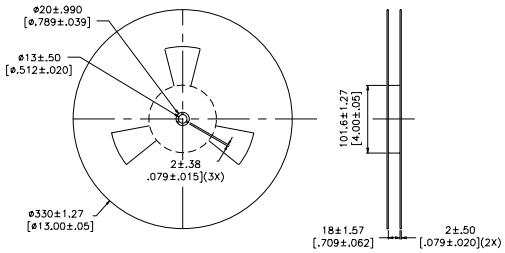


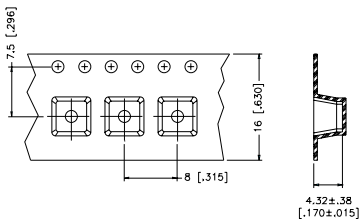
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

Surface Mount Jack Receptacle - Tape and Reel

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-908-22101T 1500 per reel	N/A	Gold	LPC	50	N/A





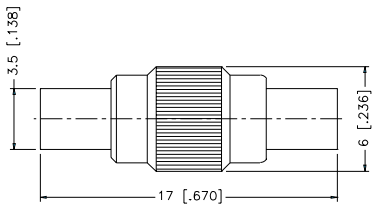
NOTE:
BLISTER TAPE PACKAGED UNIFORMLY FOR VERTICAL MOUNTING AND SUPPLIED IN ACCORDANCE WITH IEC 286-3/EIA 481

For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

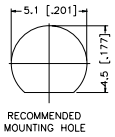
Jack-to-Jack Adapter

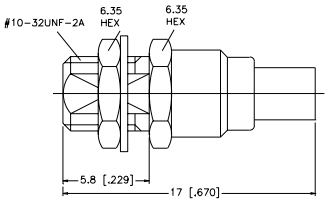
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX7071A1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Jack-to-Jack Bulkhead Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MMCX7471A1-3GT30G-50	N/A	Gold	Teflon	50	N/A





Note:

Amphenol MCX Series connectors are ideal for applications and designs where weight and space savings are critical. This series has a 50 ohm impedance structure which operates in a frequency range of up to 6 GHz. It's push-on/pull-off mating design facilitates a quick connect/disconnect capability.

Amphenol MCX connectors are popularly used in the cellular telephone, information systems and communications market.

MCX connectors are available in 75 ohm version by replacing the last two digits (50) of the part number into 75.

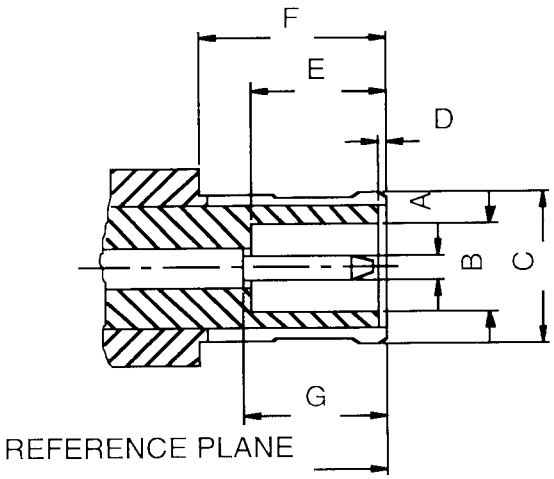
Electrical Specifications

Impedance	50 ohm and 75 ohm
Frequency Range	0-6 GHz
Working Voltage	335 VRMS
Dielectric Withstanding Voltage	1000 Volts
VSWR	Straight: 1.3 max. 6 GHz
	Right angle: 1.5 max. 6 GHz
Contact Resistance	Center contact 5.0 milliohm max.
	Outer contact 1.0 milliohm max.
Insulation Resistance	5000 megohms
Insertion Loss	0.1 dB Max./1 GHz

Material Specifications

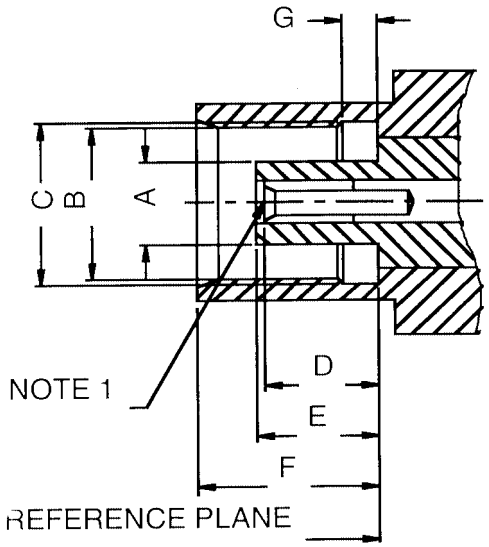
Parts Name		Material	Finish
Center Contact	Male	Brass per QQ-B-626	30 µ"Gold
	Female	Beryllium Copper per QQ-C-530 Heat- treated per MIL-H-7199	30 µ"Gold
Metal parts		Brass per QQ-B-626	Nickel or gold per requirement
Insulators		PTFE	None
Gasket		Silicone rubber	None
Crimp ferrule		Seamless copper tubing alloy	Nickel or gold per requirement

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	0.48 [.019]	0.53 [.021]
B	2.00 [.079]	2.07 [.082]
C	3.66 [.144]	3.76 [.148]
D	0.00	0.30 [.012]
E	2.81 [.111]	3.20 [.126]
F	4.16 [.164]	-
G	2.81 [.111]	3.20 [.126]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	1.80 [.071]	1.97 [.078]
B	3.43 [.135]	3.48 [.137]
C	3.61 [.142]	3.75 [.148]
D	2.31 [.091]	2.79 [.110]
E	2.61 [.103]	2.79 [.110]
F	4.00 [.158]	4.12 [.162]
G	0.75 [.030]	0.85 [.033]

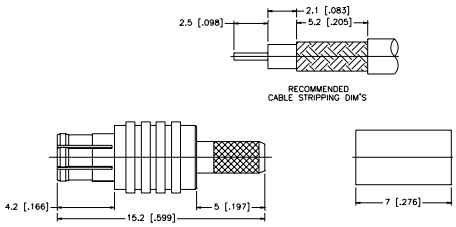
Note: 1. I.D. to meet VSWR and Contact Resistance when mated with .48/.53 mm Dia. Pin.

All connector bodies, unless otherwise noted, are machined brass, 3µ" gold-plated.
All insulators are Teflon.
All center contacts are 30µ" gold plated.
All dimensions are in millimeters and [inches].

Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - Miniature cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1121A1-NT30G-5-50	05	Nickel	Teflon	50	1
MCX1121A1-3GT30G-5-50	05	Gold	Teflon	50	1
MCX1121A1-002-NT30G-5A-50	5A	Nickel	Teflon	50	2
MCX1121A1-002-3GT30G-5A-50	05A	Gold	Teflon	50	2
MCX1121A1-NT30G-6-75	06	Nickel	Teflon	75	2
MCX1121A1-3GT30G-6-75	06	Gold	Teflon	75	2
MCX1121A1-NT30G-6A-75	06A	Nickel	Teflon	75	2
MCX1121A1-3GT30G-6A-75	06A	Gold	Teflon	75	2
MCX1121A1-NT30G-14-50	14	Nickel	Teflon	50	1
MCX1121A1-3GT30G-14-50	14	Gold	Teflon	50	1



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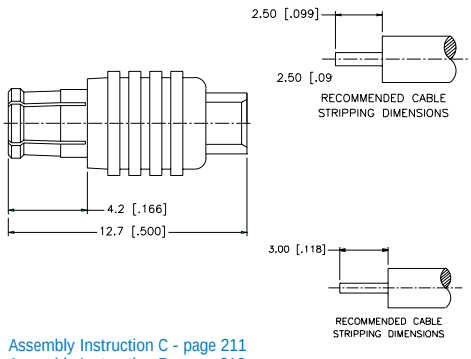
Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1181A2-NT30G-10-50	10	Nickel	Teflon	50	N/A
MCX1181A2-3GT30G-10-50	10	Gold	Teflon	50	N/A
MCX1181A1-NT30G-11-50	11	Nickel	Teflon	50	N/A
MCX1181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MCX1181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

MCX1181A1-3GT30G-13-50



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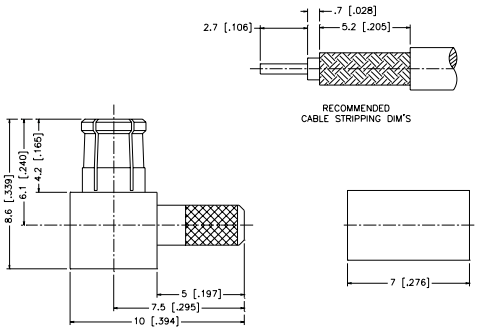
Assembly Instruction E - page 213

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1112A1-NT30G-1-50	01	Nickel	Teflon	50	3
MCX1112A1-3GT30G-1-50	01	Gold	Teflon	50	3
MCX1112A1-NT30G-1A-50	01A	Nickel	Teflon	50	4
MCX1112A1-3GT30G-1A-50	01A	Gold	Teflon	50	4
MCX1112A1-NT30G-5-50	05	Nickel	Teflon	50	1
MCX1112A1-3GT30G-5-50	05	Gold	Teflon	50	1
MCX1112A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
MCX1112A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
MCX1112A1-NT30G-6-75	06	Nickel	Teflon	75	1
MCX1112A1-3GT30G-6-75	06	Gold	Teflon	75	1
MCX1112A1-NT30G-6A-75	06A	Nickel	Teflon	75	2
MCX1112A1-3GT30G-6A-75	06A	Gold	Teflon	75	2
MCX1112A1-NT30G-14-50	14	Nickel	Teflon	50	1
MCX1112A1-3GT30G-14-50	14	Gold	Teflon	50	1



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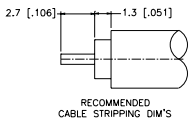
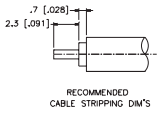
Right Angle Solder Plug - Semi-Rigid Cable

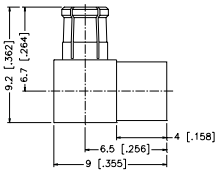
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1182A1-NT30G-10-50	10	Nickel	Teflon	50	N/A
MCX1182A1-3GT30G-10-50	10	Gold	Teflon	50	N/A
MCX1182A1-NT30G-11-50	11	Nickel	Teflon	50	N/A
MCX1182A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MCX1182A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

MCX1182A1-NT30G-10-50 & MCX1182A1-3GT30G-10-50

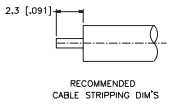


MCX1182A1-NT30G-11-50 & MCX1182A1-3GT30G-11-50





MCX1182A1-3GT30G-13-50



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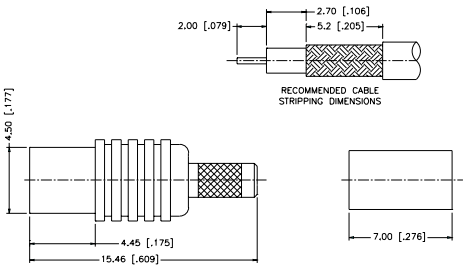
Straight Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6121A1-NT30G-5-50	05	Nickel	Teflon	50	1
MCX6121A1-3GT30G-5-50	05	Gold	Teflon	50	1
MCX6121A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
MCX6121A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
MCX6121A1-NT30G-14-50	14	Nickel	Teflon	50	1
MCX6121A1-3GT30G-14-50	14	Gold	Teflon	50	1
MCX6121A1-NT30G-6-75	06	Nickel	Teflon	75	1
MCX6121A1-3GT30G-6-75	06	Gold	Teflon	75	1
MCX6121A1-NT30G-6A-75	06A	Nickel	Teflon	75	2
MCX6121A1-3GT30G-6A-75	06A	Gold	Teflon	75	2



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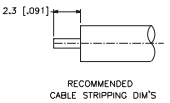
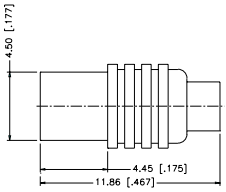
Straight Solder Jack - Semi-Rigid Cable

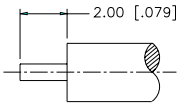
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6181A1-NT30G-11-50	11	Nickel	Teflon	50	N/A
MCX6181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MCX6181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A
MCX6182A1-3GT30G-13-50 Right Angle Jack	13	Gold	Teflon	50	N/A

MCX6182A1-3GT30G-13-50





MCX6181A1-NT30G-11-50 & MCX6181A1-3GT30G-11-50



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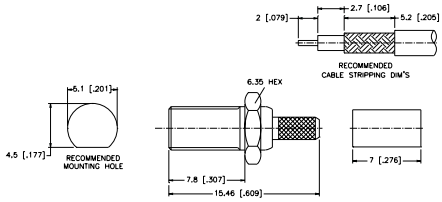
Assembly Instruction E - page 227
Assembly Instruction F - page 228

RECOMMENDED CABLE STRIPPING DIMENSIONS

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Bulkhead Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6421A1-NT30G-5-50	05	Nickel	Teflon	50	1
MCX6421A1-3GT30G-5-50	05	Gold	Teflon	50	1
MCX6421A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
MCX6421A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
MCX6421A1-NT30G-6-75	06	Nickel	Teflon	75	1
MCX6421A1-3GT30G-6-75	06	Gold	Teflon	75	1
MCX6421A1-NT30G-6A-75	06A	Nickel	Teflon	75	2
MCX6421A1-3GT30G-6A-75	06A	Gold	Teflon	75	2
MCX6421A1-NT30G-14-50	14	Nickel	Teflon	50	1
MCX6421A1-N/3GT30G-14-50	14	Gold	Teflon	50	1



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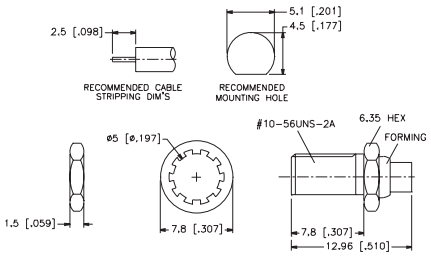
Straight Solder Bulkhead Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6481A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
MCX6481A1-3GT30G-13-50	13	Gold	Teflon	50	N/A



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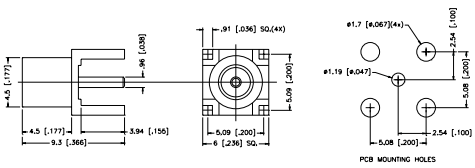
Assembly Instruction C - page 225

Printed Circuit Board Connectors

Straight Jack for P.C. Board

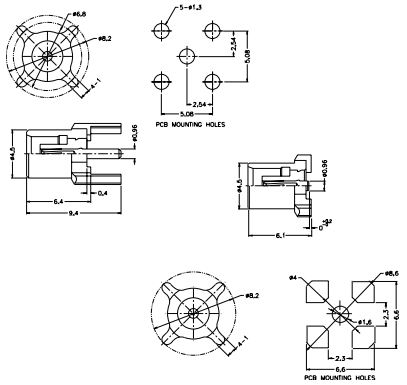
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6251B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX6251B3-NT30G-50 2.92mm [.115"] LEGS	N/A	Nickel	Teflon	50	N/A
MCX6251B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MCX6251B3-3GT30G-50 2.92mm [.115"] LEGS	N/A	Gold	Teflon	50	N/A
MCX6251B4-NT30G-50 Surface Mount	N/A	Nickel	Teflon	50	N/A
MCX6251B4-3GT30G-50 Surface Mount	N/A	Gold	Teflon	50	N/A



Printed Circuit Board Connectors

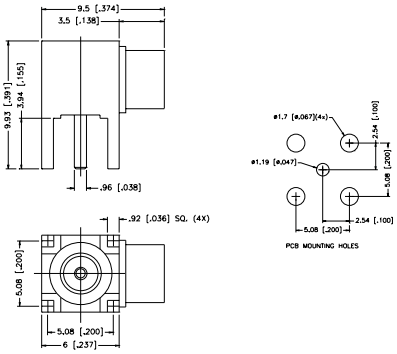
Straight Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6251A1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MCX6251A4-3GT30G-50 Surface Mount Low cost version, diecast	N/A	Gold	Teflon	50	N/A



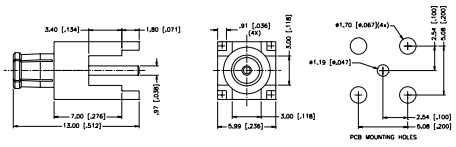
Right Angle Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX6252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
MCX6252B1-001-NT30G-50 2.92 mm [.115"] LEGS	N/A	Nickel	Teflon	50	N/A
MCX6252B1-001-3GT30G-50 2.92 mm [.115"] LEGS	N/A	Gold	Teflon	50	N/A
MCX6252B1-004-NT30G-50 1.73 mm [.068"] LEGS	N/A	Nickel	Teflon	50	N/A
MCX6252B1-004-3GT30G-50 1.73 mm [.068"] LEGS	N/A	Gold	Teflon	50	N/A
MCX6252B4-NT30G-50 Surface Mount	N/A	Nickel	Teflon	50	N/A
MCX6252B4-3GT30G-50 Surface Mount	N/A	Gold	Teflon	50	N/A



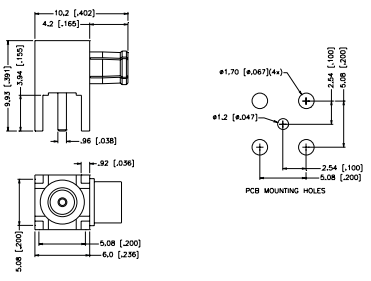
Straight Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1251B1-001-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX1251B1-001-3GT30G-50	N/A	Gold	Teflon	50	N/A



Right Angle Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX1252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A



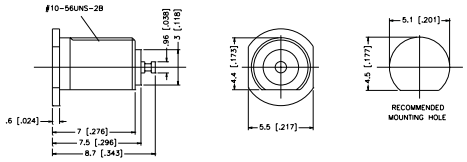
Printed Circuit Board Connectors and Straight Terminal Connectors

Edgecard Receptacle for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX625100-001-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX625100-001-3GT30G-50	N/A	Gold	Teflon	50	N/A

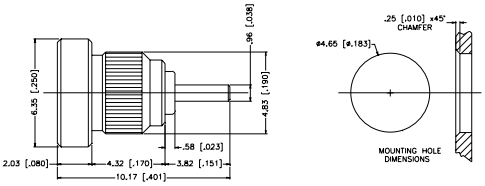
Straight Bulkhead Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6351B9-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX6351B9-3GT30G-50	N/A	Gold	Teflon	50	N/A



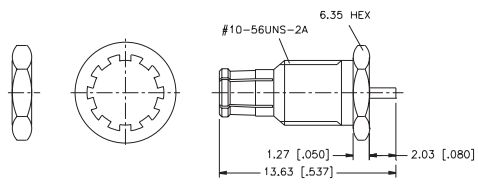
Straight Bulkhead Receptacle - Press Fit

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX6051A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX6051A1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Straight Bulkhead Plug Receptacle

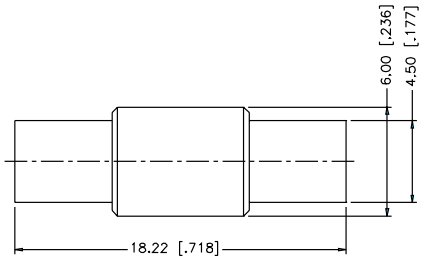
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX1451A1-001-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX1451A1-001-3GT30G-50	N/A	Gold	Teflon	50	N/A



In-Series Adapters

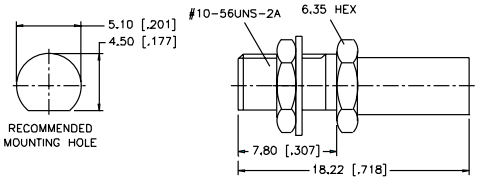
Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX7071A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX7071A1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Jack-to-Jack Bulkhead Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MCX7471A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
MCX7471A1-3GT30G-50	N/A	Gold	Teflon	50	N/A



The Amphenol SMA connectors are semi-precision, sub-miniature, high-frequency connectors which offer reliable broadband performance DC to 18GHz with low reflection and constant 50 ohm impedance.

The main features are high mechanical strength, high durability and low VSWR. Matured design principles, careful manufacturing at all stages and thorough quality assurance organization are the basis for the well-known quality of Amphenol SMA connectors.

Electrical Specifications

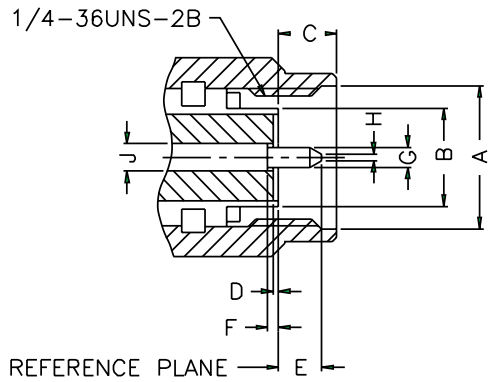
Impedance	50 ohm
Frequency range	*semi-rigid cable for .141" or .085" O.D. copper jacket: 0-18 GHz *Flexible cable: 0-12.4 GHz
Voltage rating	*RG-58, 141, 142, 233: 500v peak *RG-174, 188, 316: 375V peak
Dielectric withstanding voltage	*.141" & RG-58 cable group: 1000V RMS *.085" & RG-316 cable group: 750V RMS
VSWR-straight Connectors *f in GHz	*.141" semi-rigid cable group: 1.05 + .005f *RG-58 cable group: 1.15 + .01f *RG-174 cable group: 1.15 + .02f *RG-178 cable group: 1.20 + .025f
Contact resistance	Center: 2.0 milliohms Body: 2.0 milliohms Braid tot body: 0.5 milliohms
Insulation resistance	5000 Megohms
RF leakage	-90 db min. At 2-3 GHz
Insertion loss	db max. =.06$\sqrt{\text{freq. GHz}}$.. Test frequency @6.0 GHz

Military Specifications MIL-C-39012 & MIL-C-83517 SMA

Material Specifications

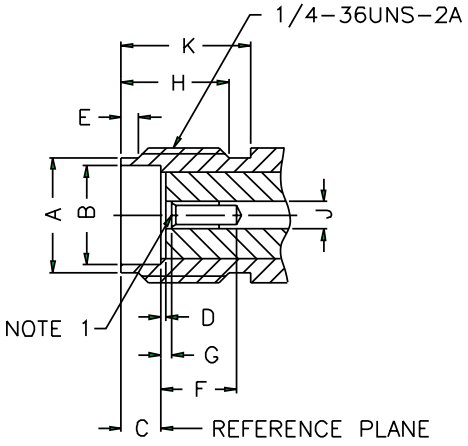
Parts Name		Mil standard	Economic type
Body, coupling nut, other metal parts		Non-magnetic stainless steel per QQ-S-764 #303 finish: passivated	Brass per QQ-B-626 finish: nickel or gold per requirement
Contacts	Male	Brass per QQ-B-626	Brass per QQ-B-626
	Female	Beryllium copper per QQ-C-530 heat treated per MIL-H-7199	Beryllium copper per QQ-C-530 heat treated per MIL-H-7199
		Finish: .00005" min gold plated per MIL-G-45204 type 1, Grade C.	Finish: .00005" min gold plated per MIL-G-45204 type 1, Grade C.
Insulator		PTFE	PTFE
Gasket		Silicone rubber	Silicone rubber
Crimp ferrule		Seamless copper tubing alloy	Seamless copper tubing alloy
Selection Guide		*Suitable for direct mounting on aluminium panels *Lowest cost	*For commercial applications only *Lower cost

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	6.35 [.250]	6.73 [.265]
B	4.53 [.178]	4.59 [.181]
C	2.54 [.100]	3.43 [.135]
D	0.00	0.25 [.010]
E	1.91 [.075]	2.54 [.100]
F	0.00	0.25 [.010]
G	0.90 [.035]	0.94 [.037]
H	0.00	0.38 [.015]
J	1.24 [.049]	1.30 [.051]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	5.28 [.208]	5.49 [.216]
B	4.60 [.181]	4.67 [.184]
C	1.88 [.074]	1.98 [.078]
D	0.00	0.25 [.010]
E	0.38 [.015]	1.14 [.045]
F	2.92 [.115]	-
G	0.00	0.25 [.010]
H	4.32 [.170]	-
J	1.24 [.049]	1.30 [.051]
K	5.54 [.218]	-

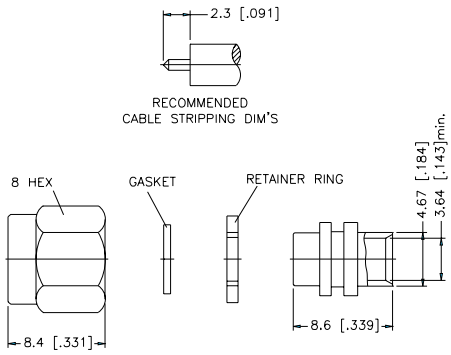
Note: 1. I.D. to meet VSWR and Contact Resistance when mated with 1.32/1.37 mm Dia. Pin.

All connectors listed, unless otherwise noted, are Commercial Grade construction, gold-plated brass bodies, with 50µ" gold contacts.
All insulators are Teflon.
All other parameters are equal to Mil Standard construction.
Mil Standard connectors, i.e. Stainless Steel body, available upon request as per material specifications listed in Material section on preceding page.
All dimensions are in millimeters and [inches].

Plug Direct Solder for Semi-Rigid .047", .085" and .141" Cable

Straight Solder Plug - Cable Inner Conductor Center Contact - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1181K1-3G-10-50	10	Gold	N/A	50	N/A



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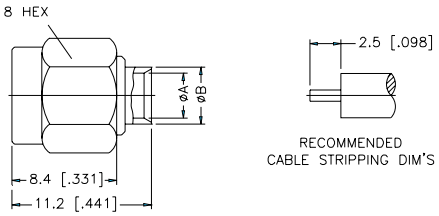
Straight Solder Plug - With Contact - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1181A2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA1181A1-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA1181K1-S/P-10-50 Stainless Steel	10	Gold	Teflon	50	N/A
SMA1181A2-3GT50G-13-50	13	Gold	Teflon	50	N/A



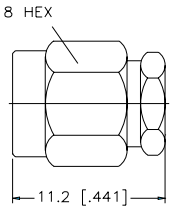
Assembly Instruction B - page 210
Assembly Instruction C - page 211

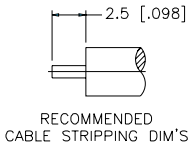
Direct Solder for Semi-Rigid .047", .085" and .141" Cable

Straight Solder Plug - With Contact and Torque Nut - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1181A1-004-3GT50G-11-50 Stainless Steel Nut	11	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,
.085" Cable, A = 2.2 mm [.087"] min,
.141" Cable, A = 3.6 mm [.142"] min,



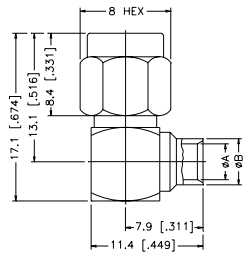


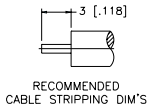
Assembly Instruction B - page 210

Right Angle Solder Plug DC - 12.4 GHZ - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1182A2-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA1182Z2-3GT50G-11-50 Stainless Steel Nut	11	Gold	Teflon	50	N/A
SMA1182A2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA1182A2-3GT50G-13-50	13	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,
.085" Cable, A = 2.2 mm [.087"] min,
.141" Cable, A = 3.6 mm [.142"] min,





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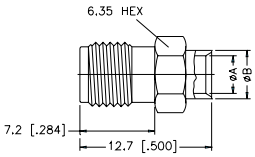
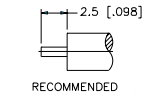
Straight Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6181A1-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA6181A2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA6181A2-3GT50G-13-50	13	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,
.085" Cable, A = 2.2 mm [.087"] min,
.141" Cable, A = 3.6 mm [.142"] min,





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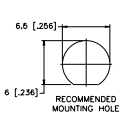
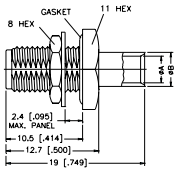
Assembly Instruction C - page 211

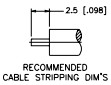
Bulkhead Feedthrough Solder Jack - O-Ring seal - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6481A1-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA6481A2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA6481A2-3GT50G-13-50	13	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,
.085" Cable, A = 2.2 mm [.087"] min,
.141" Cable, A = 3.6 mm [.142"] min,







Assembly Instruction B - page 210
Assembly Instruction C - page 211

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Direct Solder for Semi-Rigid .047", .085" and .141" Cable

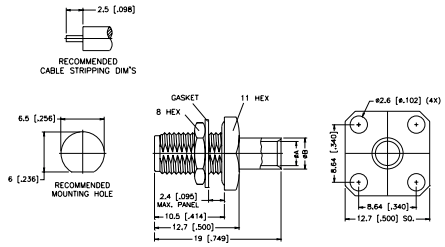
Panel Mount Solder Jack - 4 hole Square Flange - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6581A2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA6581A1-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA6581A3-3GT50G-13-50	13	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,

.085" Cable, A = 2.2 mm [.087"] min,

.141" Cable, A = 3.6 mm [.142"] min,



Assembly Instruction B - page 224
Assembly Instruction C - page 225

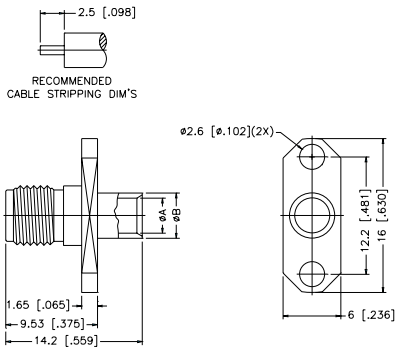
Panel Mount Solder Jack - 2 hole Square Flange - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6581B2-3GT50G-11-50	11	Gold	Teflon	50	N/A
SMA6581B1-3GT50G-10-50	10	Gold	Teflon	50	N/A
SMA6581B3-3GT50G-13-50	13	Gold	Teflon	50	N/A

Cable: .047" Cable, A = 1.24 mm [.049"] min,

.085" Cable, A = 2.2 mm [.087"] min,

.141" Cable, A = 3.6 mm [.142"] min,



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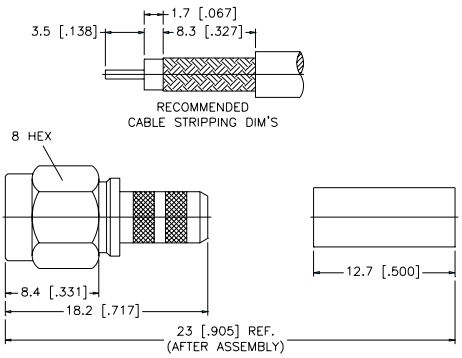
Assembly Instruction C - page 225

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1111A1-3GT50G-1-50	01	Gold	Teflon	50	3 or 4
SMA1111A1-3GT50G-1A-50	01A	Gold	Teflon	50	3 or 4
SMA1111A1-3GT50G-1B-50	01B	Gold	Teflon	50	3 or 4
SMA1111A1-007-3GT50G-7B-50	07B	Gold	Teflon	50	4



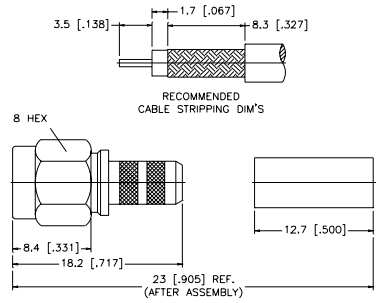
Assembly Instruction J - page 232

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1111A2-3GT50G-5-50	05	Gold	Teflon	50	1 or 2
SMA1111A2-S/PT50G-5-50 Stainless Steel	05	Gold	Teflon	50	1 or 2
SMA1111Z2-NT50G-5-50	05	Nickel	Teflon	50	1 or 2
SMA1111A2-3GT50G-5A-50	05A	Gold	Teflon	50	2
SMA1111G2-3GT50G-14-50	14	Gold	Teflon	50	1 or 2
SMA1111A1-3GT50G-16-50	16	Gold	Teflon	50	3
SMA1111A1-3GT50G-16A-50	16A	Gold	Teflon	50	3



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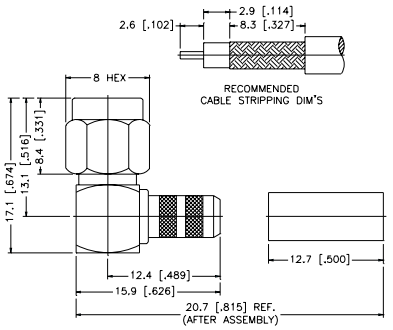
Right Angle Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1112A6-3GT50G-1-50	01	Gold	Teflon	50	3 or 4
SMA1112A4-S/PT50G-1-50 Steenless Steel	01	Gold	Teflon	50	3 or 4
SMA1112A6-3GT50G-1A-50	01A	Gold	Teflon	50	3 or 4
SMA1112A1-3GT50G-1B-50	01B	Gold	Teflon	50	3 or 4
SMA1112A1-3GT50G-7B-50	07B	Gold	Teflon	50	4
SMA1112A1-3GT30G-7C-50	7C	Gold	Teflon	50	6



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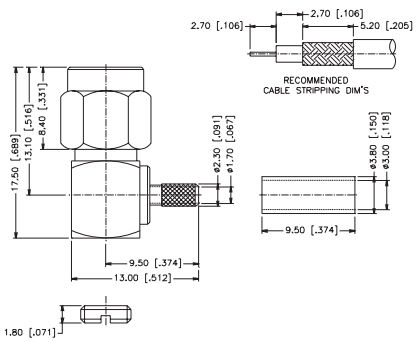
Right Angle Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1112A5-3GT50G-5-50	05	Gold	Teflon	50	1 or 2
SMA1112A5-3GT50G-5A-50	05A	Gold	Teflon	50	2
SMA1112A3-3GT50G-14-50	14	Gold	Teflon	50	1 or 2
SMA1112A6-3GT50G-16-50	16	Gold	Teflon	50	3
SMA1112A6-3GT50G-16A-50	16A	Gold	Teflon	50	3



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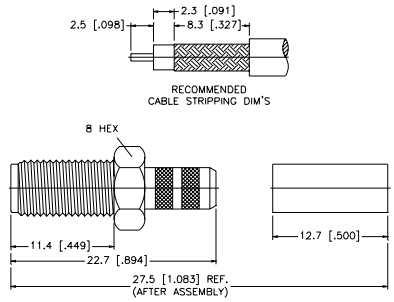
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Jack Crimp Attachment for Flexible Cable

Straight Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6111A3-3GT50G-1-50	01	Gold	Teflon	50	3 or 4
SMA6111A3-3GT50G-1A-50	01A	Gold	Teflon	50	3 or 4
SMA6111A3-3GT50G-1B-50	01B	Gold	Teflon	50	3 or 4
SMA6111A5-3GT50G-7B-50	07B	Gold	Teflon	50	4



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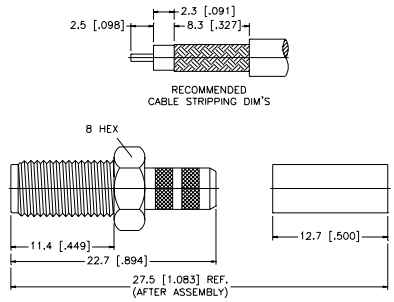
Straight Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6111A4-3GT50G-5-50	05	Gold	Teflon	50	1 or 2
SMA6111A4-3GT50G-5A-50	05A	Gold	Teflon	50	2
SMA6111A4-001-3GT50G-5-50 Short Body	05	Gold	Teflon	50	1 or 2
SMA6111G2-3GT50G-14-50	14	Gold	Teflon	50	1 or 2



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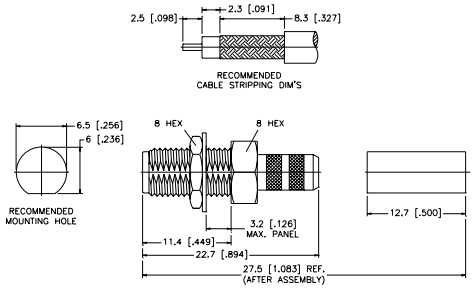
Bulkhead Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6411A1-NT50G-1-50	01	Nickel	Teflon	50	3 or 4
SMA6411A3-3GT50G-1-50	01	Gold	Teflon	50	3 or 4
SMA6411A3-3GT50G-1A-50	01A	Gold	Teflon	50	3 or 4
SMA6411A1-3GT50G-1B-50	01B	Gold	Teflon	50	3 or 4
SMA6411A1-3GT50G-7B-50	07B	Gold	Teflon	50	4



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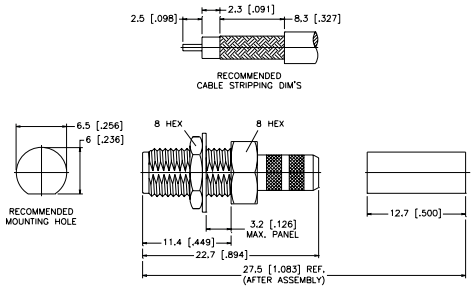
Bulkhead Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6411A4-3GT50G-5-50	05	Gold	Teflon	50	1 or 2
SMA6411G2-001-3GT50G-5A-50	05A	Gold	Teflon	50	2
SMA6411G2-3GT50G-14-50	14	Gold	Teflon	50	1 or 2



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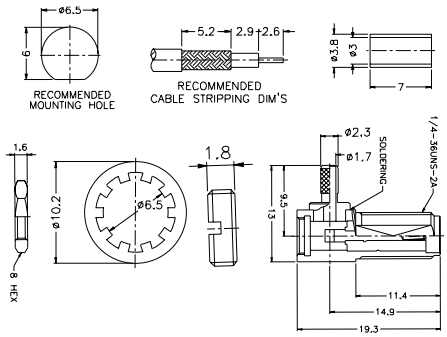
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Jack Crimp Attachment for Flexible Cable

Right Angle Bulkhead Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6412A1-001-3GT50G-1-50	01	Gold	Teflon	50	1 or 2
SMA6412B1-3GT50G-5-50	05	Gold	Teflon	50	1 or 2



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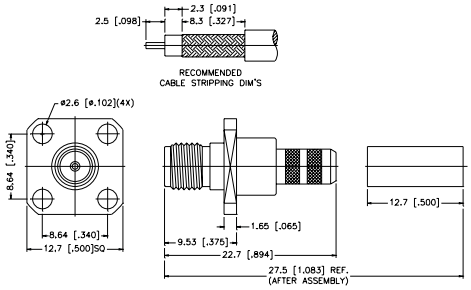
Panel Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6511A1-3GT50G-1-50	01	Gold	Teflon	50	3 or 4
SMA6511A1-3GT50G-1A-50	01A	Gold	Teflon	50	3 or 4



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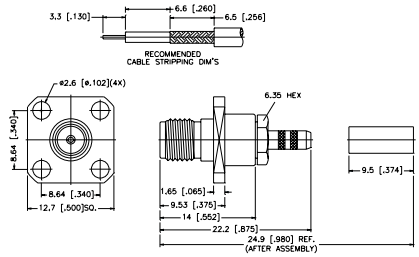
Panel Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6511G1-3GT50G-5-50	05	Gold	Teflon	50	1 or 2
SMA6511G1-3GT50G-5A-50	05A	Gold	Teflon	50	3



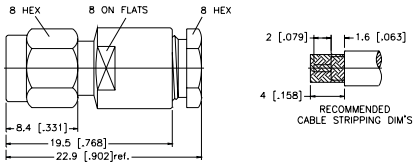
Assembly Instruction J - page 232

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Clamp Attachment for Flexible Cable

Straight Clamp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1141C2-3GT50G-1-50	01	Gold	Teflon	50	N/A



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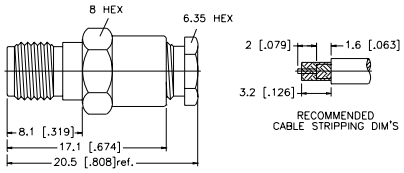
Straight Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6141C1-3GT50G-5-50	05	Gold	Teflon	50	N/A



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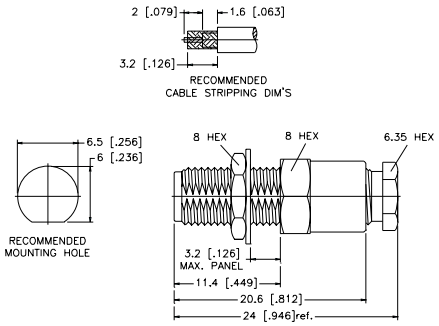
Bulkhead Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6441C1-3GT50G-5-50	05	Gold	Teflon	50	N/A



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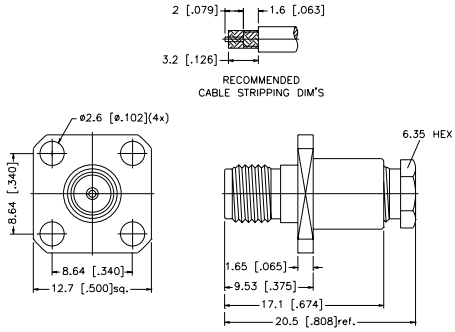
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Note:

Clamp Attachment for Flexible Cable

Panel Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6541C1-3GT50G-5-50	05	Gold	Teflon	50	N/A



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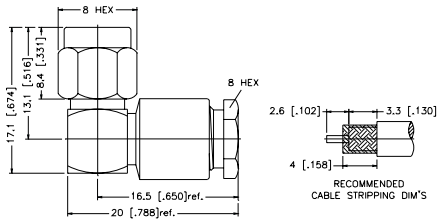
Right Angle Clamp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1142C2-3GT50G-1-50	01	Gold	Teflon	50	N/A



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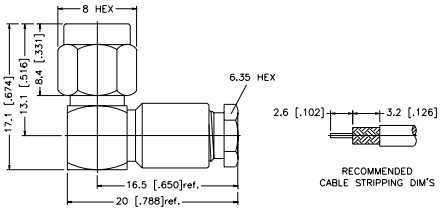
Right Angle Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1142C1-3GT50G-5-50	05	Gold	Teflon	50	N/A



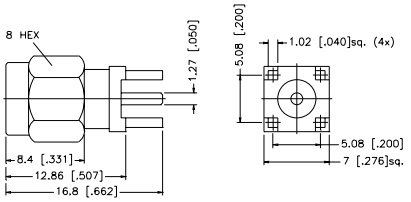
Assembly Instruction D - page 212

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

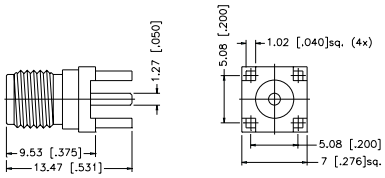
Straight Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1251A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



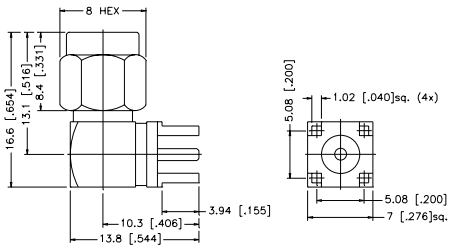
Straight Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6251A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



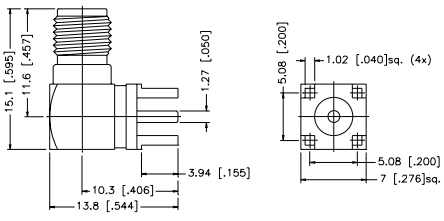
Right Angle Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1252A2-3GT50G-50	N/A	Gold	Teflon	50	N/A



Right Angle Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6252A2-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6252D1-3GT50G-50 Diecast Body	N/A	Gold	Teflon	50	N/A

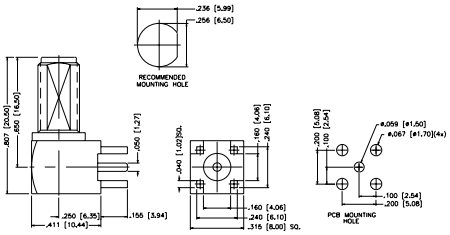


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors and Straight Terminal Connectors

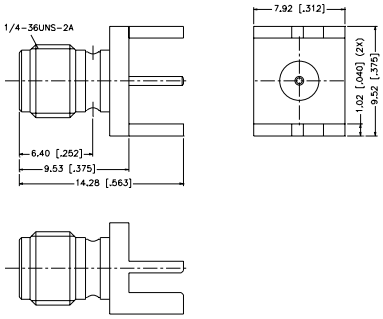
Right Angle Bulkhead Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6252A2-006-3GT50G-50	N/A	Gold	Teflon	50	N/A



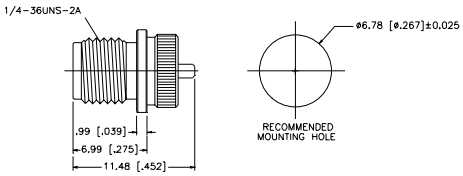
End Launch Jack Receptacle for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6251A1-019-3GT50G-50	N/A	Gold	Teflon	50	N/A



Push Fit Jack Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6051A1-006-S/PT50G-50	N/A	Gold	Teflon	50	N/A

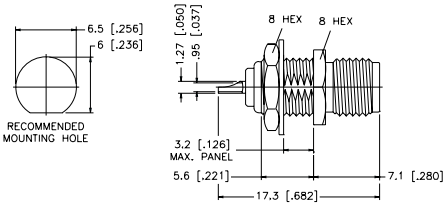


For Reversed Polarized connectors contact local Amphenol Sales Branch.

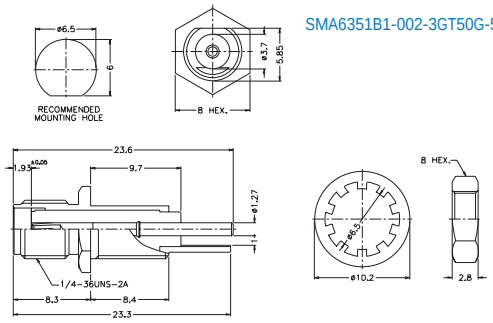
Bulkhead Receptacle/Solder Cup Terminal

Bulkhead Jack Receptacle - Front Mount

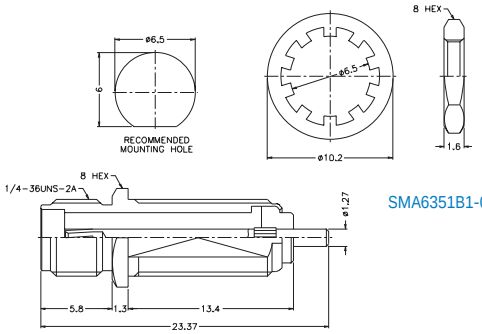
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6351B1-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6351B1-002-3GT50G-50 Bulkhead Mount	N/A	Gold	Teflon	50	N/A
SMA6351B1-003-3GT50G-50 Extended Body, Blunt Post	N/A	Gold	Teflon	50	N/A



SMA6351B1-002-3GT50G-50

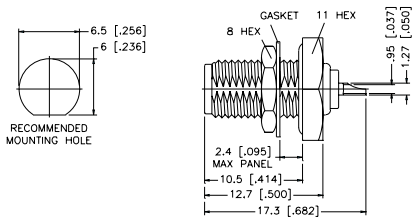


SMA6351B1-003-3GT50G-5

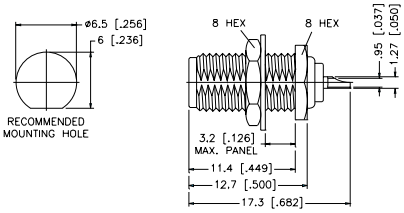


Bulkhead Jack Receptacle - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6451A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6451B1-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6451B1-002-3GT50G-50 Flatwasher	N/A	Gold	Teflon	50	N/A

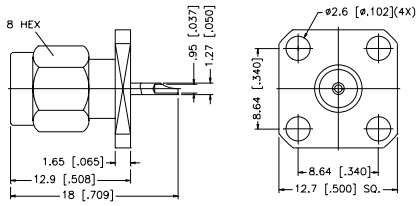


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Solder Cup terminal

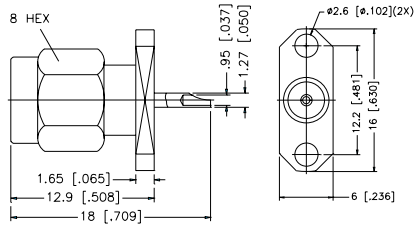
Panel Mount Plug Receptacle - 4 Hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



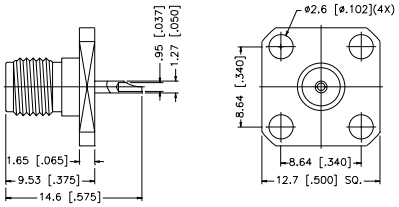
Panel Mount Plug Receptacle - 2 Hole Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551B1-3GT50G-50	N/A	Gold	Teflon	50	N/A



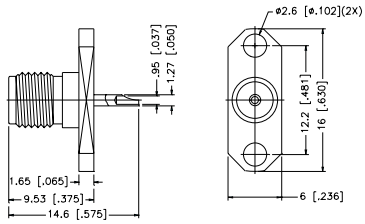
Panel Mount Jack Receptacle - 4 Hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551A1-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6551A1-001-3GT50G-50 12.7 mm [.500"] Square Holes	N/A	Gold	Teflon	50	N/A



Panel Mount Jack Receptacle - 2 Hole Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551B1-3GT50G-50	N/A	Gold	Teflon	50	N/A

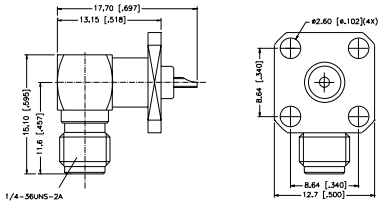


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Solder Cup terminal

Right Angle Panel Mount Jack Receptacle - 4 Hole Square Flange

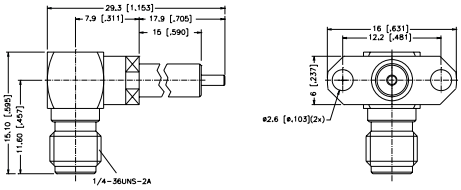
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6552A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



Right Angle Panel Mount Jack Receptacle - 2 Hole 90% Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6552F1-3GT50G-50	N/A	Gold	Teflon	50	N/A

Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.

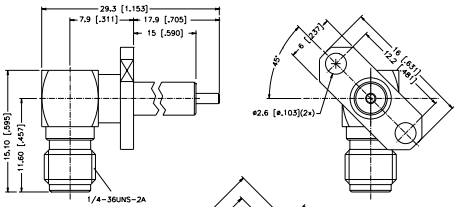


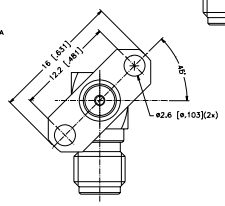
Right Angle Panel Mount Jack Receptacle - 2 Hole 45% Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6552F1-001-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6552F1-002-3GT50G-50	N/A	Gold	Teflon	50	N/A

Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.

SMA6552F1-001-3GT50G-50



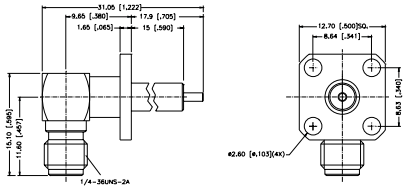


SMA6552F1-002-3GT50G-50

Right Angle Panel Mount Jack Receptacle - 4 Hole Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6552E1-3GT50G-50	N/A	Gold	Teflon	50	N/A

Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.



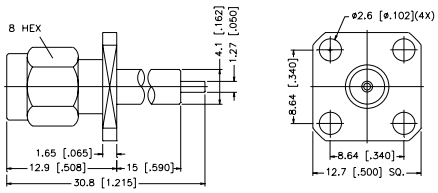
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Solder Pot terminal

Panel Mount Plug Receptacle - 4 Hole Square Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551E1-3GT50G-50	N/A	Gold	Teflon	50	N/A

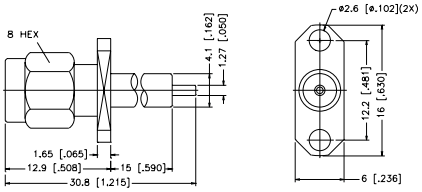
Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.



Panel Mount Plug Receptacle - 2 Hole Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551F1-3GT50G-50	N/A	Gold	Teflon	50	N/A

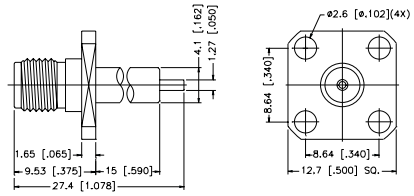
Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.



Panel Mount Jack Receptacle - 4 Hole Square Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551E1-3GT50G-50	N/A	Gold	Teflon	50	N/A

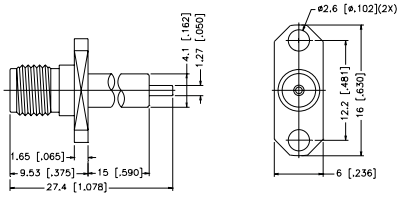
Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.



Panel Mount Jack Receptacle - 2 Hole Flange - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551F1-3GT50G-50	N/A	Gold	Teflon	50	N/A

Remark: Extended teflon insulation available in various lengths.
Contact Amphenol for part number and availability.

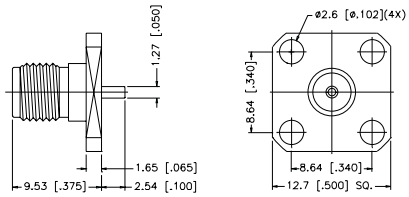


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Solder Pot terminal

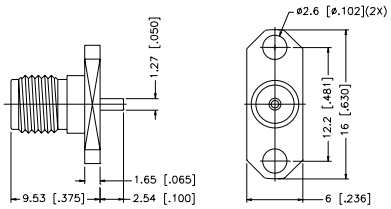
Panel Mount Jack Receptacle - 4 Hole Square Flange - Blunt Post

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551E9-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA6551E9-003-3GT50G-50	N/A	Gold	Teflon	50	N/A
6.6 mm [.260"] POST					



Panel Mount Jack Receptacle - 2 Hole Flange - Blunt Post

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551F9-3GT50G-50	N/A	Gold	Teflon	50	N/A

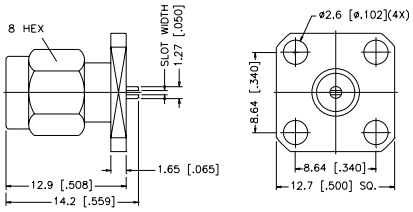


Panel Receptacle/Slot terminal

Panel Mount Plug Receptacle - 4 hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551C1-3GT50G-0.5-50	N/A	Gold	Teflon	50	N/A

Remark: Size of slot width = 0.3 mm [.01"],
0.5 mm [.02"],
0.7 mm [.03"],



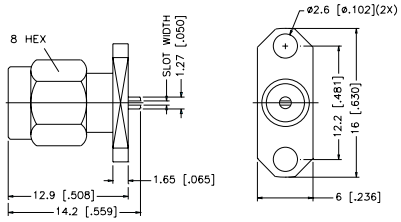
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Slot terminal

Panel Mount Plug Receptacle - 2 hole Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551D1-3GT50G-0.5-50	N/A	Gold	Teflon	50	N/A

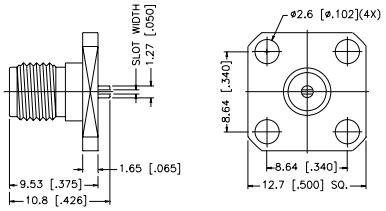
Remark: Size of slot width = 0.3 mm [.01"],
0.5 mm [.02"],
0.7 mm [.03"],



Panel mount Jack Receptacle - 4 hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551C1-3GT50G-0.5-50	N/A	Gold	Teflon	50	N/A

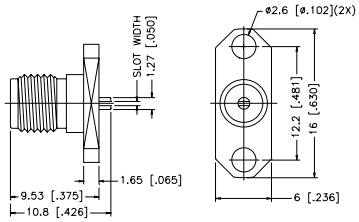
Remark: Size of slot width = 0.3 mm [.01"],
0.5 mm [.02"],
0.7 mm [.03"],



Panel mount Jack Receptacle - 2 hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551D1-3GT50G-0.5-50	N/A	Gold	Teflon	50	N/A

Remark: Size of slot width = 0.3 mm [.01"],
0.5 mm [.02"],
0.7 mm [.03"],

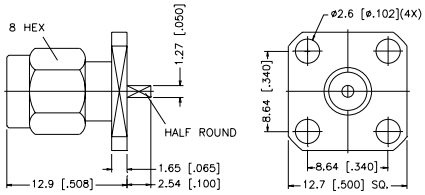


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Half Round Solder Pot Terminals

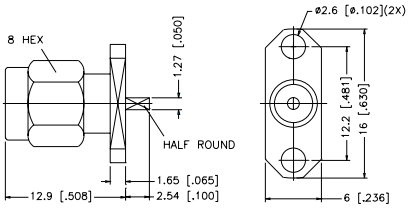
Panel Mount Plug Receptacle - 4 Hole Square Flange - Half Round Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551G1-3GT50G-50	N/A	Gold	Teflon	50	N/A



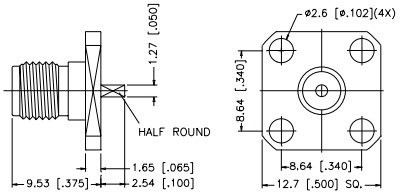
Panel Mount Plug Receptacle - 2 Hole Flange - Half Round Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551H1-3GT50G-50	N/A	Gold	Teflon	50	N/A



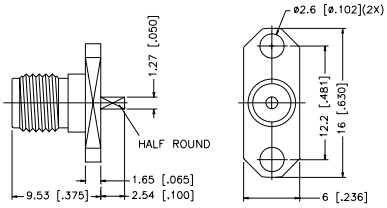
Panel Mount Jack Receptacle - 4 Hole Square Flange - Half Round Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551G1-3GT50G-50	N/A	Gold	Teflon	50	N/A



Panel Mount Jack Receptacle - 2 Hole Flange - Half Round Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551H1-3GT50G-50	N/A	Gold	Teflon	50	N/A



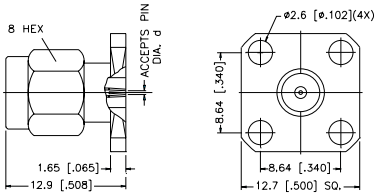
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Terminal Flush to Below Flange

Panel Mount Plug Receptacle - 4 Hole Sq. Flange - Terminal Flush to Below Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551K1-3GT50G-.015-50	N/A	Gold	Teflon	50	N/A

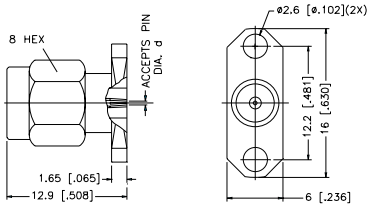
Remark: Pin size of d = .305 mm [.012"], .381 mm [.015"], .457 mm [.018"]



Panel Mount Plug Receptacle - 2 Hole Flange - Terminal Flush to Below Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551L1-3GT50G-.015-50	N/A	Gold	Teflon	50	N/A

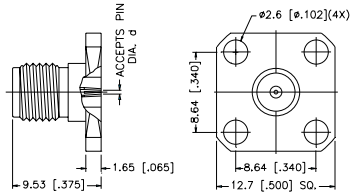
Remark: Pin size of d = .305 mm [.012"], .381 mm [.015"], .457 mm [.018"]



Panel Mount Jack Receptacle - 4 Hole Sq. Flange - Terminal Flush to Below Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551K1-3GT50G-.015-50	N/A	Gold	Teflon	50	N/A

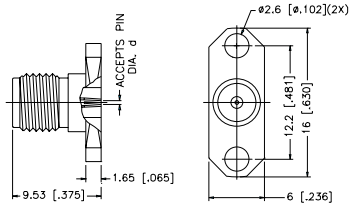
Remark: Pin size of d = .305 mm [.012"], .381 mm [.015"], .457 mm [.018"]



Panel Mount Jack Receptacle - 2 Hole Flange - Terminal Flush to Below Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551L1-3GT50G-.015-50	N/A	Gold	Teflon	50	N/A

Remark: Pin size of d = .305 mm [.012"], .381 mm [.015"], .457 mm [.018"]

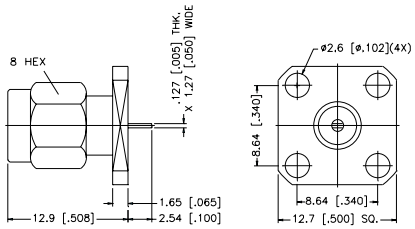


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Tab Terminal

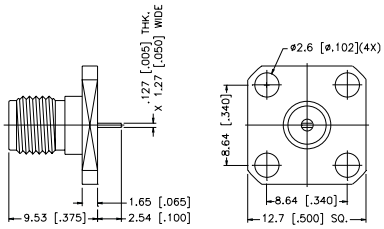
Panel Mount Plug Receptacle - 4 Hole Square Flange - Tab Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1551M1-3GT50G-50	N/A	Gold	Teflon	50	N/A



Panel Mount Jack Receptacle - 4 Hole Square Flange - Tab Terminal

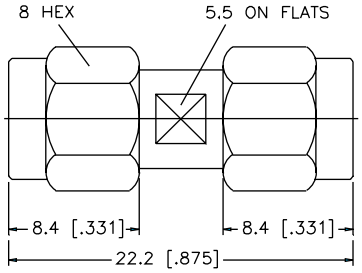
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA6551M1-3GT50G-50	N/A	Gold	Teflon	50	N/A



In-Series Adapters

Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA2071A1-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA2071A1-S/PT50G-50 Stainless Steel Body	N/A	S/S	Teflon	50	N/A

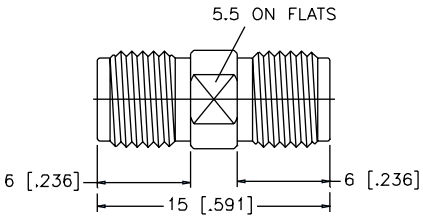


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

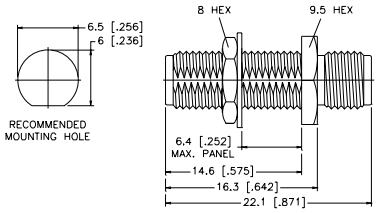
Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA7071A2-3GT50G-50	N/A	Gold	Teflon	50	N/A
SMA7071A4-S/PT50G-50 Stainless Steel Body	N/A	S/S	Teflon	50	N/A



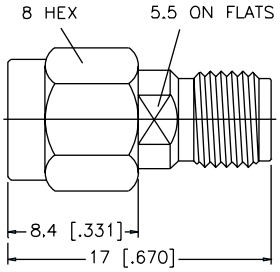
Jack-to-Jack Adapter - Bulkhead Feedthrough

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA7471B1-3GT50G-50	N/A	Gold	Teflon	50	N/A



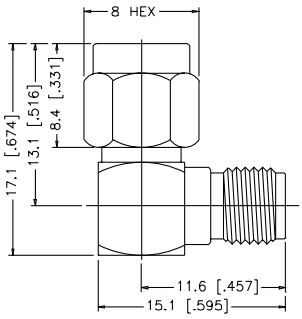
Plug-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA5071A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



Plug-to-Jack Adapter - Right Angle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA5072A2-3GT50G-50	N/A	Gold	Teflon	50	N/A

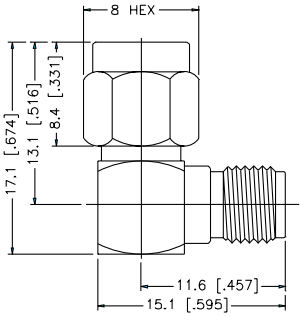


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

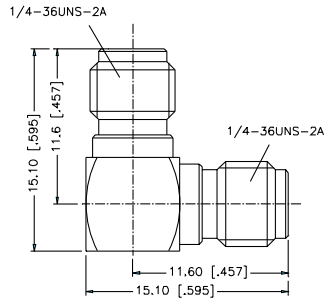
Plug-to-Jack Adapter - Right Angle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA5072A2-3GT50G-50	N/A	Gold	Teflon	50	N/A



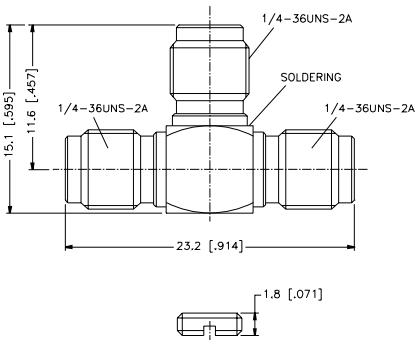
Jack-to-Jack Adapter - Right Angle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA7072A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



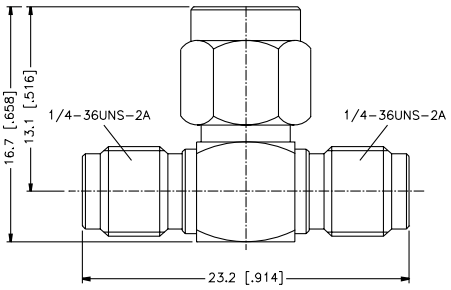
Jack-to-Jack-to-Jack Tee Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA8073A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



Jack-to-Plug-to-Jack Tee Adapter

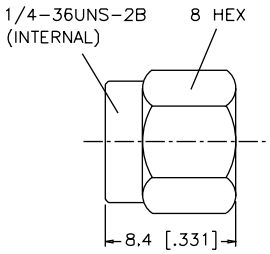
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA9073A1-3GT50G-50	N/A	Gold	Teflon	50	N/A



For Reversed Polarized connectors contact local Amphenol Sales Branch.

Male Cap

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMA1005A2-3G	N/A	Gold	Teflon	50	N/A



Note:

The Amphenol SMB/SMC subminiature coaxial connectors with 50 ohm impedance are for applications to 4 GHz (SMB) or 10 GHz (SMC). Generally less expensive then SMA, these connectors are used primarily in applications for microwave telephone and other non-defense telecommunication requirements.

SMB connectors feature quick connect/disconnect snap-on mating and operate to 4 GHz with low reflection.

SMC connectors have #10-32UNF-threaded screw-on couplings and operate reliably to 10 GHz.

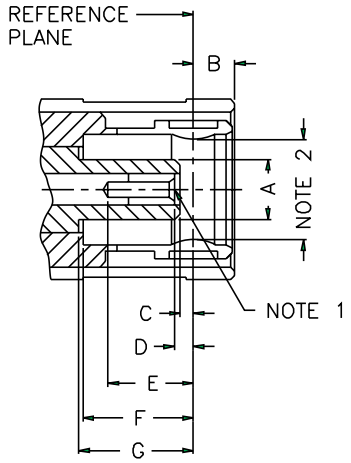
Electrical Specifications

Electrical data		SMB		SMC	
Impedance		50 ohm		50 ohm	
Frequency range		0-4 GHz		0-10 GHz	
VSWR *f in GHz	Cable dielectric dimensions	0.87 mm [.034"]	1.5 mm [.059"]	0.87 mm [.034"]	1.5 mm [.059"]
	Straight connector DC-1000 MHz	1.3 + 0.04f	1.25 + 0.04f	1.25 + 0.04f	1.15 + 0.04f
	Right angle connector DC-1000 MHz	1.4 + 0.08f	1.3 + 0.04f	1.4 + 0.06f	1.25 + 0.04f
Dielectric withstanding Voltage 50 Hz rms		750V	1000V	750V	1000V
Working voltage 50 Hz rms		250V	335V	250V	335V
Working voltage DC		350V	450V	350V	450V
Insulation resistance		1000 Megohms min		1000 Megohms min	
Contact Resistance	Inner conductor	≤ 3 Megohms		≤ 3 Megohms	
	Outer conductor	≤ 0.5 Megohms		≤ 0.5 Megohms	
Insertion loss (db max.)	Straight connectors	.30 db max. at 1.5 GHz		.25 db max. at 4 GHz	
	Right angle connectors	.60 db max. at 1.5 GHz		.50 db max. at 4 GHz	

Material Specifications

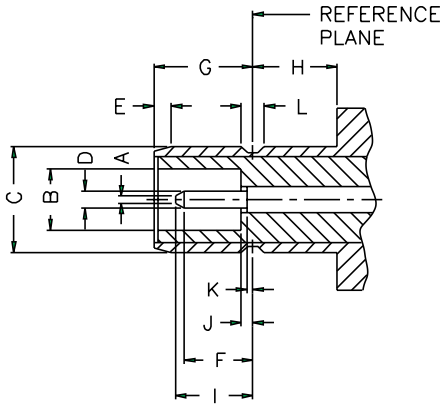
Parts Name		Material	Finish
Body, Metal parts		Brass per QQ-B-626	Nickel or gold per requirement
Contacts	Male	Brass per QQ-B-626	30 µ"Gold
	Female	Female Beryllium copper, Per QQ-C-530, heat treated per MIL-H-7199	30 µ"Gold
Insulators		PTFE	None
Gasket		Silicone rubber	None
Crimp ferrules		Seamless copper tubing alloy	Nickel or gold per requirement

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	2.00 [.079]	2.06 [.081]
B	-	1.62 [.064]
C	0.18 [.007]	-
D	0.18 [.007]	0.94 [.037]
E	2.97 [.117]	-
F	3.58 [.141]	-
G	3.58 [.141]	-

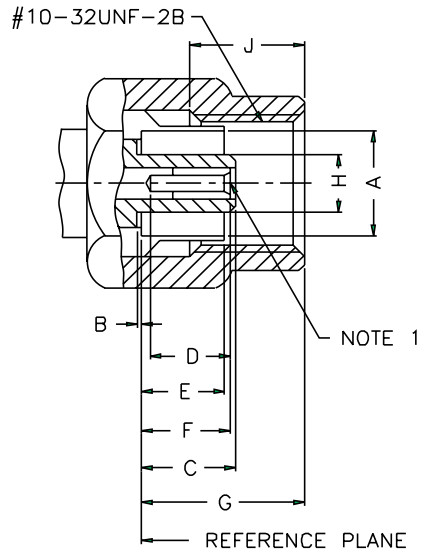


Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	-	0.25 [.010]
B	2.08 [.082]	2.16 [.085]
C	3.66 [.144]	3.71 [.146]
D	0.48 [.019]	0.53 [.021]
E	0.00	-
F	1.32 [.052]	-
G	3.33 [.131]	3.58 [.141]
H	2.03 [.080]	-
I	-	2.97 [.117]
J	-	0.18 [.007]
K	-	0.18 [.007]
L	0.69 [.027]	0.94 [.037]

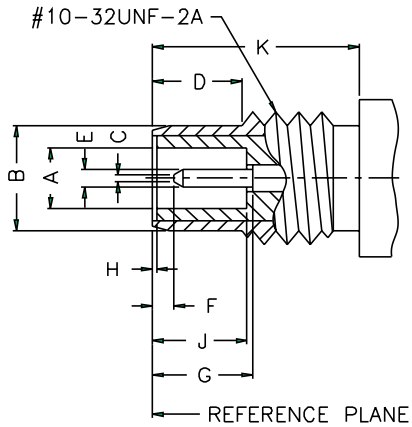
Note: 1. I.D. to meet VSWR and contact resistance when mated with .48/.53 mm dia. Pin.
2. Must meet the force to engage and disengage when mated with mating part.

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	3.73 [.147]	3.81 [.150]
B	0.00	0.30 [.012]
C	3.15 [.124]	3.40 [.134]
D	2.97 [.110]	-
E	-	3.10 [.122]
F	3.05 [.120]	3.40 [.134]
G	-	5.92 [.233]
H	2.00 [.079]	2.06 [.081]
J	2.79 [.110]	-



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	2.08 [.082]	2.16 [.085]
B	3.63 [.143]	3.71 [.146]
C	-	0.25 [.010]
D	3.12 [.123]	3.38 [.133]
E	0.48 [.019]	0.53 [.021]
F	0.61 [.024]	-
G	3.40 [.134]	3.76 [.148]
H	0.00	0.30 [.012]
J	3.40 [.134]	3.66 [.144]
K	5.94 [.234]	-

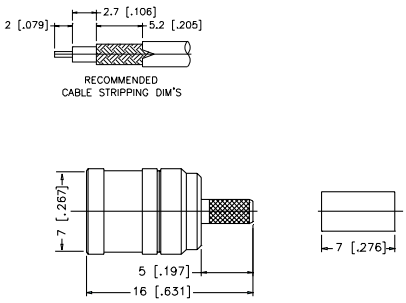
Note: 1. I.D. To meet VSWR and contact resistance when mated with .48/.53 mm dia. Pin.

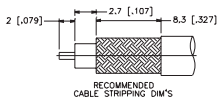
All bodies, unless otherwise noted, are machined brass, gold-plated 3µ".
All insulators are Teflon.
All center contacts are 30µ" gold plated.
All dimensions in millimeters and [inches].

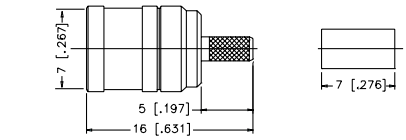
Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6121A2-NT30G-1-50	01	Nickel	Teflon	50	3 or 4
SMB6121A2-3GT30G-1-50	01	Gold	Teflon	50	3 or 4
SMB6121A2-NT30G-1A-50	01A	Nickel	Teflon	50	3 or 4
SMB6121A2-3GT30G-1A-50	01A	Gold	Teflon	50	3 or 4
SMB6121A1-003-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB6121A1-003-3GT30G-5-5A-50	05A	Gold	Teflon	50	1 or 2
SMB6121A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
SMB6121A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
SMB6121A1-NT30G-14-50	14	Nickel	Teflon	50	1 or 2
SMB6121A1-3GT30G-14-50	14	Gold	Teflon	50	1 or 2
SMB6121AA-3GT30G-19-75 Mini 75 Ohm	19	Gold	Teflon	75	3
SMC Connectors					
SMC6121A2-3GT30G-1-50	01	Gold	Teflon	50	3 or 4
SMC6121A1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMC6121A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMC6121A1-3GT30G-5A-50	05A	Gold	Teflon	50	2







Note: Female center contact

SMB6121A2-NT30G-1-50, SMB6121A2-3GT30G-1-50, SMB6121A6-3GT30G-16-75, SMB6121A6-3GT30G-19-75

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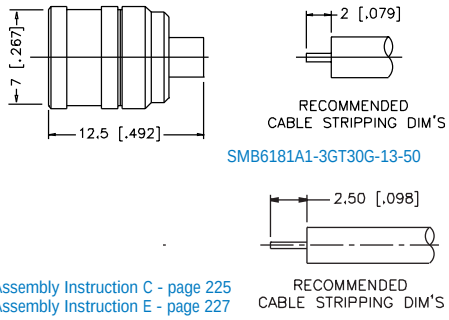
Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
SMB6181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

SMB6181A1-NT30G-11-50, SMB6181A1-3GT30G-11-50



Note: Female center contact

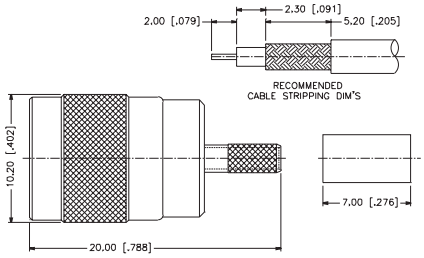
Assembly Instruction C - page 225
Assembly Instruction E - page 227

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Plug Crimp Attachment for Flexible Cable - Snap lock

Straight Crimp Plug - Snap Lock - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6121L1-N/3GT30G-16-50	16	Nickel	Teflon	50	3
SMB6121L1-N/3GT30G-16A-50	16A	Nickel	Teflon	50	3

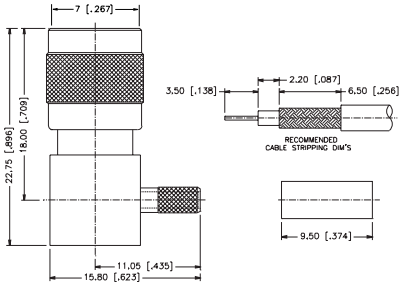


Note: Female center contact

Assembly Instruction J - page 232

Right Angle crimp Plug - Snap Lock - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6112L1-N/3GT30G-16-50	16	Nickel	Teflon	50	3
SMB6112L1-N/3GT30G-16A-50	16A	Nickel	Teflon	50	3



Note: Female center contact

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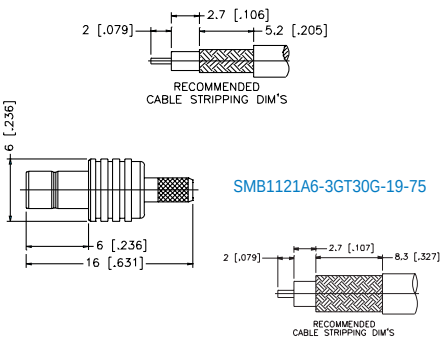
Crimp Attachment for Flexible Cable

Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1121A1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB1121A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMB1121A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
SMB1121A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
SMB1121A1-NT30G-14-50	14	Nickel	Teflon	50	1 or 2
SMB1121A1-3GT30G-14-50	14	Gold	Teflon	50	1 or 2
SMC Connectors					
SMC1121G1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMC1121G1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2



Note: Male center contact

Assembly Instruction J - page 232

For Reversed Polarized connectors contact local Amphenol Sales Branch.

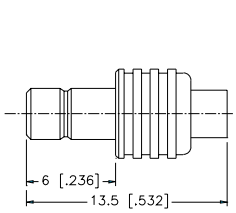
Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Solder Jack - Semi-Rigid Cable

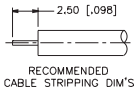
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1181A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
SMB1181A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

Note: Male center contact

SMB1181A1-3GT30G-11-50



SMB1181A1-3GT30G-13-50



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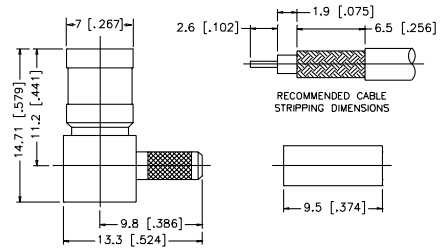
Assembly Instruction C - page 225

Right Angle Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6112A1-NT30G-1-50	01	Nickel	Teflon	50	3 or 4
SMB6112A1-3GT30G-1-50	01	Gold	Teflon	50	3 or 4
SMB6112D1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB6112D1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMB6112A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
SMB6112A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
SMB6112A1-NT30G-14-50	14	Nickel	Teflon	50	1 or 2
SMB6112A1-3GT30G-14-50	14	Gold	Teflon	50	1 or 2
SMB6112AG-3GT30G-19-75 Mini 75 Ohm	19	Gold	Teflon	75	3
SMC Connectors					
SMC6112A1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMC6112A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2

Note: Female center contact



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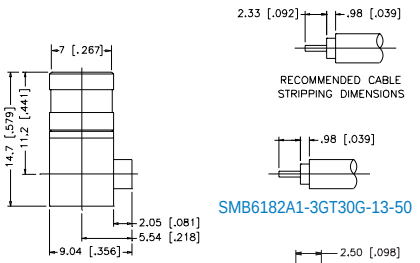
Right Angle Solder Plug - Semi-Rigid Cable

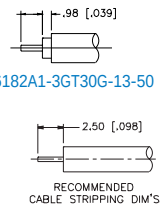
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6182A1-3GT30G-11-50	11	Gold	Teflon	50	N/A
SMB6182A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

Note: Female center contact

SMB6182A1-NT30G-11-50,
SMB6182A1-3GT30G-11-50



SMB6182A1-3GT30G-13-50



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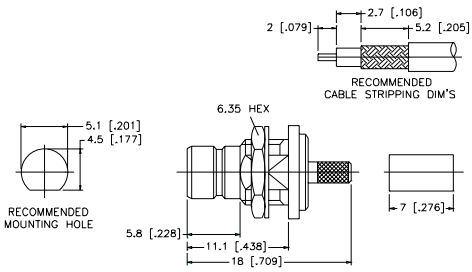
Bulkhead Feedthrough Crimp Jack - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1421A1-002-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB1421A1-NT30G-3-50	03	Nickel	Teflon	50	1 or 2
SMB1421A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMB1421A1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB1421A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
SMB1421A1-NT30G-14-50	14	Nickel	Teflon	50	1 or 2
SMB1421A1-3GT30G-14-50	14	Gold	Teflon	50	1 or 2
SMC Connectors					
SMC1421G1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMC1421A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2

Note: Male center contact



Assembly Instruction J - page 232

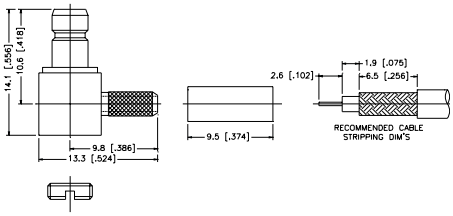
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Crimp and Solder Jack - Flexible & Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1112A1-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB1112A1-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMB1112A1-3GT30G-13-50	13	Gold	Teflon	50	N/A

Note: Male center contact



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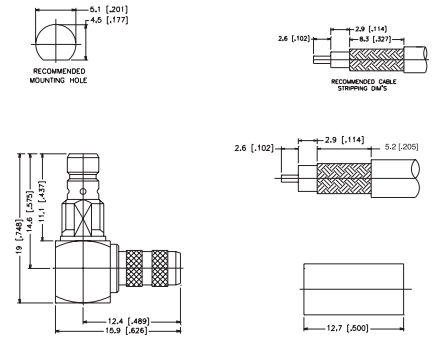
Assembly Instruction I - page 231

Right Angle Bulkhead Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1412A1-NT30G-1-50	01	Nickel	Teflon	50	3 or 4
SMB1412A1-3GT30G-1-50	01	Gold	Teflon	50	3 or 4
SMB1412A2-3GT30G-1A-50	01A	Gold	Teflon	50	3 or 4
SMB1412A1-001-NT30G-5-50	05	Nickel	Teflon	50	1 or 2
SMB1412A1-001-3GT30G-5-50	05	Gold	Teflon	50	1 or 2
SMB1412A1-NT30G-5A-50	05A	Nickel	Teflon	50	2
SMB1412A1-3GT30G-5A-50	05A	Gold	Teflon	50	2
SMB1412A1-3GT30G-14-50	14	Gold	Teflon	50	1 or 2

Note: Male center contact

SMB1412A1-NT30G-1-50, SMB1412A1-3GT30G-1-50,
SMB1412A2-NT30G-1A-50, SMB1412A2-NT30G-1A-50



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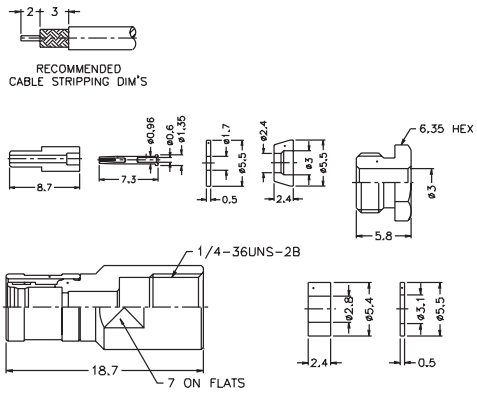
Clamp Attachment for Flexible Cable

Straight Clamp plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6141C1-NT30G-5-50	05	Nickel	Teflon	50	
SMB6141C1-3GT30G-5-50	05	Gold	Teflon	50	

Note: Female center contact



Assembly Instruction M - page 235

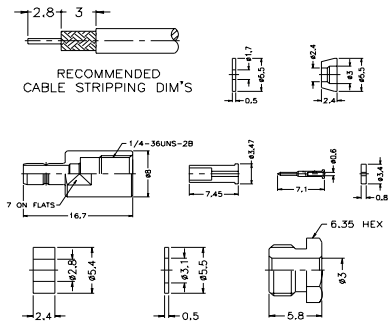
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Clamp Attachment for Flexible Cable

Straight Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1141C1-NT3G-5-50	05	Nickel	Teflon	50	
SMB1141C1-3GT3G-5-50	05	Gold	Teflon	50	

Note: Male center contact

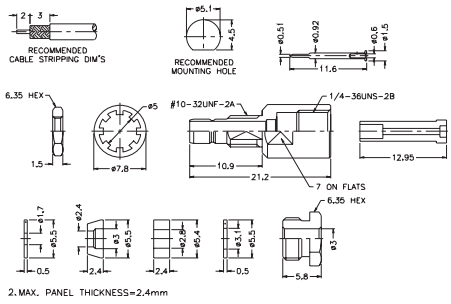


Assembly Instruction M - page 235

Bulkhead Feedthrough Clamp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1441C1-NT3G-5-50	05	Nickel	Teflon	50	
SMB1441C1-3GT3G-5-50	05	Gold	Teflon	50	

Note: Male center contact

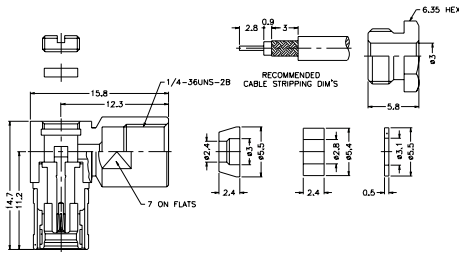


Assembly Instruction M - page 235

Right Angle Clamp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6142C1-NT30G-5-50	05	Nickel	Teflon	50	
SMB6142C1-3GT30G-5-50	05	Gold	Teflon	50	

Note: Female center contact



Assembly Instruction M - page 235

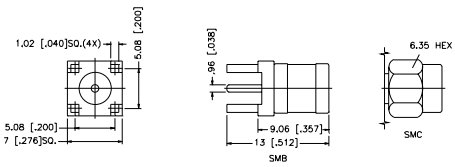
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

Straight Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6251B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB6251B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMB6251B4-001-NT30G-50 Sutface Mount	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC6251B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC6251B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact

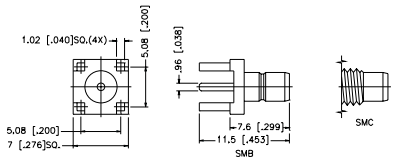


Straight Jack for P.C. Board

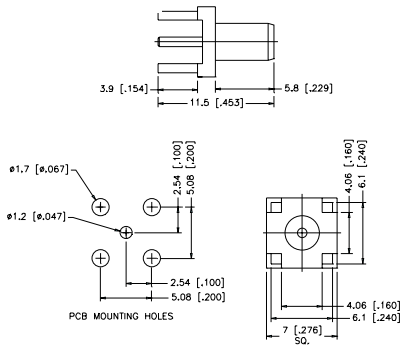
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1251B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1251B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMB1251A1-3GT30G-50 Low cost version	N/A	Gold	Teflon	50	N/A
SMB1251B4-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMB1251B4-001-3GT30G-50 Surface Mount	N/A	Gold	Teflon	50	N/A
SMB1251A4-3GT30G-50 Surface Mount Low cost version	N/A	Gold	Teflon	50	N/A
SMS1251B1-3GT30G-50 Slide-On	N/A	Gold	Teflon	50	N/A
SMC connectors					
SMC1251B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1251B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact

Snap-On

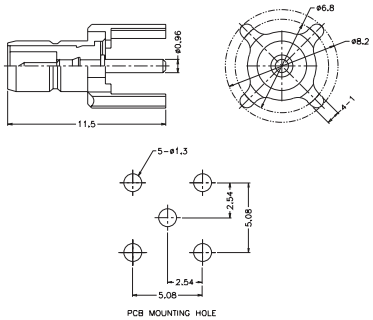


Slide-On

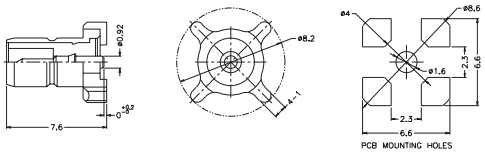


Low cost version

Low cost version



SMB1251A4-3GT30G-50



Low cost version

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed circuit Board Connectors

Straight Bulkhead Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1451B1-004-NT30G-50 Slide-On	N/A	Nickel	Teflon	50	N/A
SMB1451B1-003-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1451B1-003-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact

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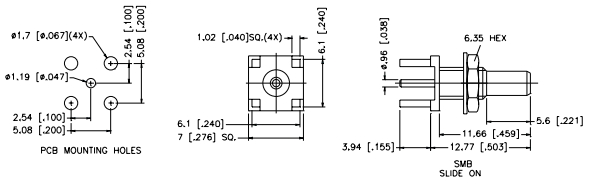
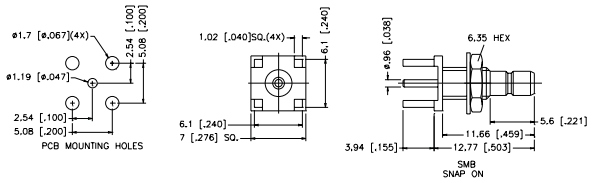
Snap-On



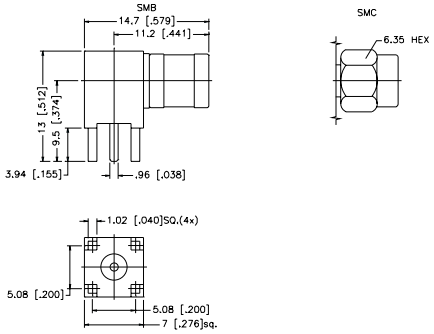
Slide-On



Right Angle Plug for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB6252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB6252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC6252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC6252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

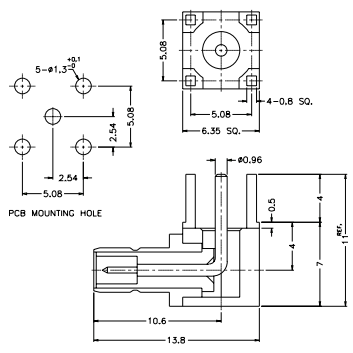
Note: Female center contact



Right Angle Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMB1252B1-TT30G-50	N/A	Tin Lead	Teflon	50	N/A
SMC Connectors					
SMC1252B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1252B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact

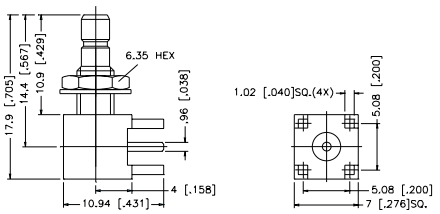


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed circuit Board Connectors

Right Angle Bulkhead Jack for P.C. Board

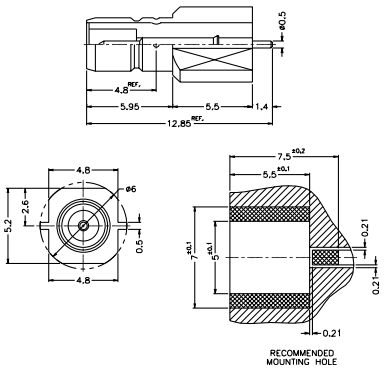
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB74971-001-3GT30G-50	N/A	Gold	Teflon	50	N/A



Note: Male center contact

SMT Jack Edge-Card

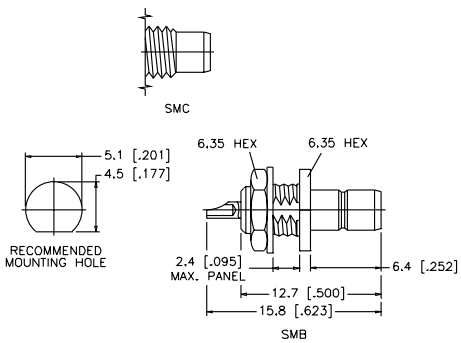
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1251S1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Bulkhead Jack Receptacle/Solder Cup Terminal

Bulkhead Jack Receptacle - Front Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1351B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1351B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC1351B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1351B1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Note: Male center contact

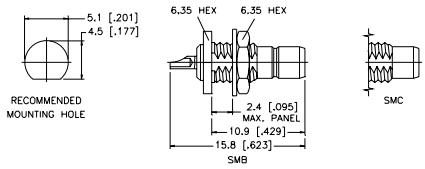
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Receptacle/Solder Cup Terminal

Bulkhead Jack Receptacle - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1451B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1451B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC1451B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1451B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

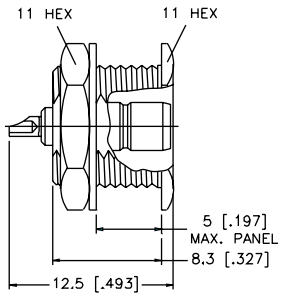
Note: Male center contact



Bulkhead Recessed Jack Receptacle

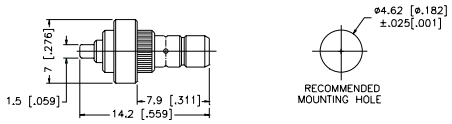
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1351B9-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1351B9-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact



Push Fit Jack Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1051A2-003-3GT30G-50	N/A	Gold	Teflon	50	N/A



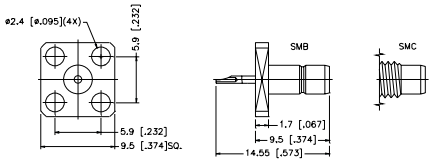
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacle/Solder Cup Terminal

Panel Mount Jack Receptacle - 4 Hole Square Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1551A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1551A1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC1551A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1551A1-3GT30G-50	N/A	Gold	Teflon	50	N/A

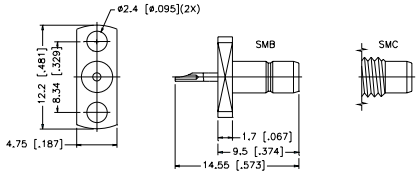
Note: Male center contact



Panel Mount Jack Receptacle - 2 Hole Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB1551B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB1551B1-3GT30G-50	N/A	Gold	Teflon	50	N/A
SMC Connectors					
SMC1551B1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMC1551B1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact

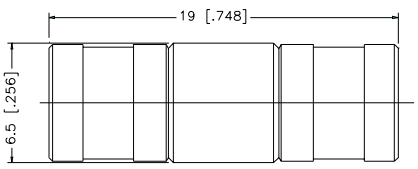


In-Series adapters

Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB7071A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB7071A1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Female center contact



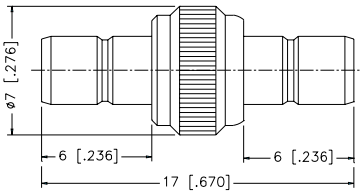
For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series adapters

Jack-to-Jack Adapter

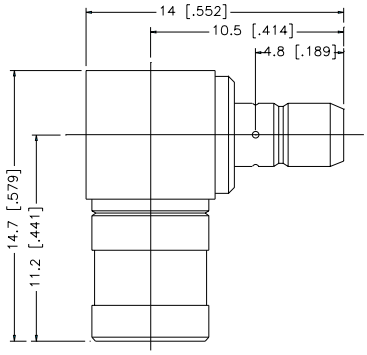
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB2071A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB2071A1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact



Plug-to-Jack Adapter - Right Angle

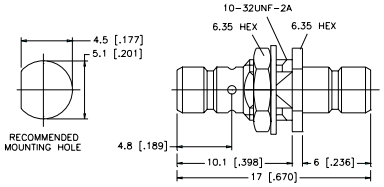
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB5072A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB5072A1-3GT30G-50	N/A	Gold	Teflon	50	N/A



Jack-to-Jack Adapter - Bulkhead

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMB2471A1-NT30G-50	N/A	Nickel	Teflon	50	N/A
SMB2471A1-3GT30G-50	N/A	Gold	Teflon	50	N/A

Note: Male center contact



For Reversed Polarized connectors contact local Amphenol Sales Branch.

The Amphenol SMZ type 43 can be divided in 2 versions; the standard BT43 (12,7mm) and high density (10,0mm).
The connectors are fully compliant to the British Telecom standards.
The Industry part number (British Telecom) has been printed in blue under Amphenol part number for easy crossing.

Electrical Specifications

Electrical data	SMZ type 43
Impedance	75 ohm
Frequency range	DC - 3 GHz
Temperature Range	-40 to + 100°C
VSWR (Straight connectors)	1.20 max.
VSWR (Right Angle connectors)	1.25 max.
Voltage Rating	500 Vrms max.
Dielectric Withstanding Voltage	1500 Vrms min.
Insulation Resistance	5000 megaohms
Contact Inner conductor	5 megaohms
Resistance Outer conductor	1megaohms

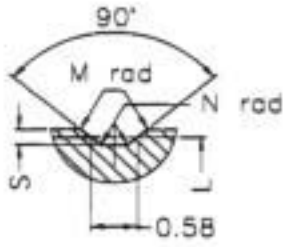
Material Specifications

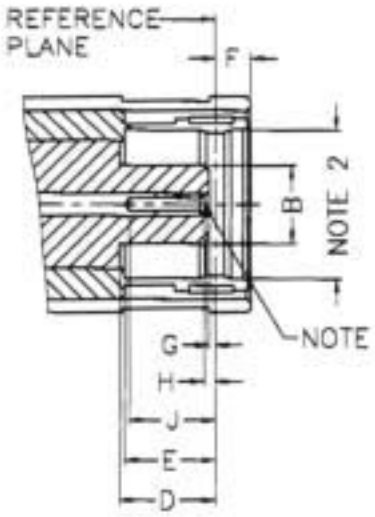
Parts Name	Material	Finish
Body, Metal parts	Brass per QQ-B-626	Selective Gold/Gold
Outer Contacts	Phosphor Bronze	Gold
Centre Contacts Male	Brass	Gold
Centre Contacts Female	Beryllium copper	Gold
Insulator	Teflon	N/A
Panel ring	Delrin	N/A
Ferrule	Brass	Nickel

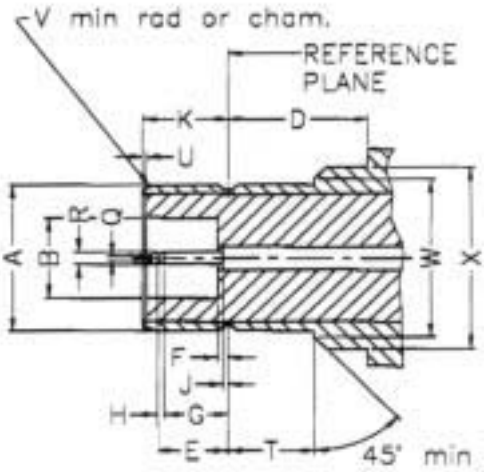
Mechanical Specifications

Engagement force	All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs max. (60 N)
Disengagement force	All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs (60 N) max., 8 N (1.8 lbs) min.
Cable Retention (Plug Connectors)	49.46 lbs (220 N min). ***
Cable Retention (Socket Connectors)	49.46 lbs (220 N min). ***
Centre Contact Retention (Plug Connectors)	5 lbs (22 N min.)
Centre Contact Retention (Socket Connectors)	5 lbs (22 N min.)

*** Note, lower cable retention value for RG179 - 13.5 lbs (60 N min.) and BT3002/TZC 75024 - 33.72 lbs (150 N min.).







Socket

Letter	Millimeters [Inches]	
	Minimum	Maximum
B	-	3.33 [.131]
D	3.58 [.141]	-
E	3.58 [.141]	-
F	-	1.98 [.078]
G	0.18 [.007]	-
H	0.18 [.007]	0.94 [.037]
J	2.97 [.117]	-

Plug

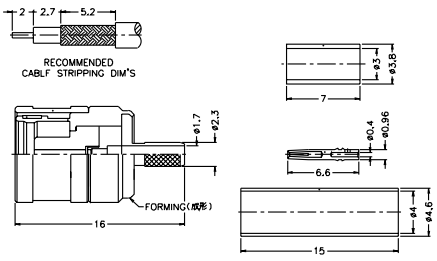
Letter	Millimeters [Inches]	
	Minimum	Maximum
A	6.20 [.244]	6.20 [.244]
B	3.35 [.132]	-
D	2.36 [.093]	-
E	-	2.97 [.117]
F	-	0.18 [.007]
G	1.32 [.052]	-
H	0.25 [.010]	-
J	-	0.18 [.007]
K	3.33 [.131]	3.58 [.141]
L	5.97 [.117]	6.07 [.239]
M	0.05 [.002]	0.15 [.006]
N	-	0.13 [.005]
Q	-	0.25 [.010]
R	0.48 [.019]	0.53 [.021]
S	0.15 [.006]	0.25 [.010]
T	2.01 [.079]	-
U	0.00	-
V	0.10 [.004]	0.20 [.008]
W	-	6.99 [.275]
X	-	7.94 [.313]

Note: 1. I.D. To meet VSWR and contact resistance when mated with .48/.53mm dia. Pin.
2. Must meet the force to engage and disengage when mated with mating part.

Crimp Attachment for flexible Cable

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6121A6-002-N/3GT30G-6-75	06	Gold	Telfon	75	1 or 2
SMZ6121A6-3GT30G-6-75	06	Gold	Telfon	75	1 or 2
SMZ6121A6-3GT30G-16-75	16	Gold	Telfon	75	9
SMZ6121A6-3GT30G-16A-75	16A	Gold	Telfon	75	9
SMZ6121A6-3GT30G-19-75	19	Gold	Telfon	75	9



Note: Female center contact

Straight Crimp Plug - Snap Lock - Flexible Cable

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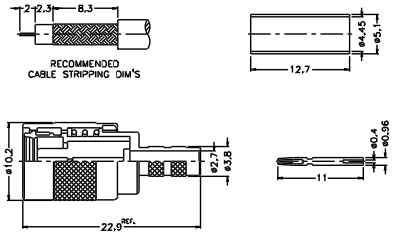
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6121L1-N/3GT30G-6-75	06	Nickel	Teflon	75	1 or 2
SMZ6121L1-N/3GT30G-6-75	06A	Nickel	Teflon	75	2
SMZ6121L1-N/3GT30G-19-75	19	Nickel	Teflon	75	3



Note: Female center contact

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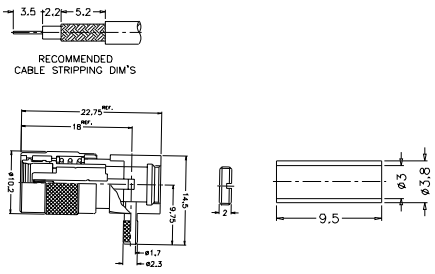
Right Angle Crimp Plug - Snap - Lock - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6112L1-N/3GT30G-6-75	06	Nickel	Teflon	75	1 or 2
SMZ6112L1-N/3GT30G-6A-75	06A	Nickel	Teflon	75	2
SMZ6112L1-N/3GT30G-19-75	19	Nickel	Teflon	75	3



Note Female center contact

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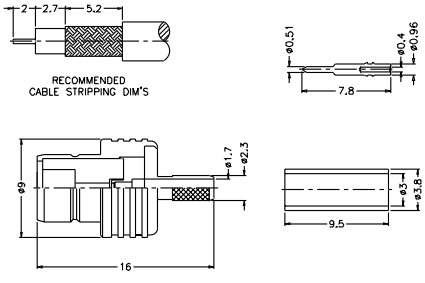
Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1121A6-NT30G-6-75	06	Nickel	Teflon	75	1 or 2
SMZ1121A6-3GT30G-6-75	06	Gold	Teflon	75	1 or 2
SMZ1121A6-3GT30G-19-75	19	Gold	Teflon	75	3



Note Male center contact

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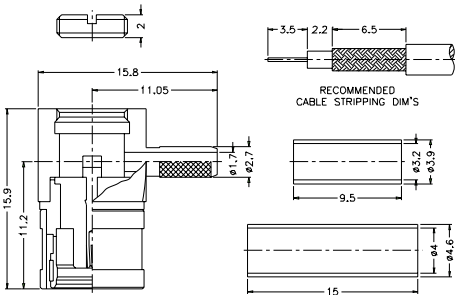
Crimp Attachment for Flexible Cable

Right Angle Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6112A6-NT30G-6-75	06	Nickel	Teflon	75	1 or 2
SMZ6112A6-3GT30G-6-75	06	Gold	Teflon	75	1 or 2
SMZ6112A6-3GT30G-19-75	19	Gold	Teflon	75	3

Note Female center contact



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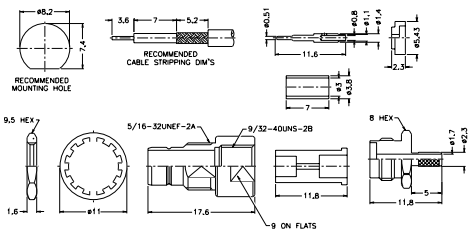
Bulkhead Feedthrough Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1421G6-3GT30G-6-75	06	Gold	Teflon	75	1 or 2

Note Male center contact



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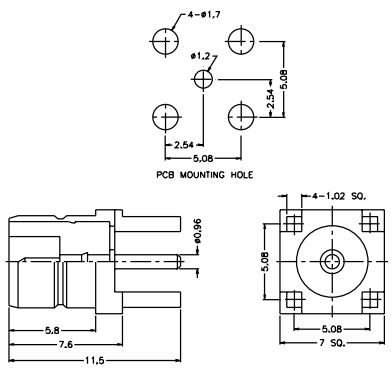
Printed circuit Board Connectors

Straight Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1251B6-3GT30G-75	N/A	Gold	Teflon	75	N/A
SMZ1251B6-002-3GT30G-75 "4.43 mm (.175"") PCB Legs"	N/A	Gold	Teflon	75	N/A

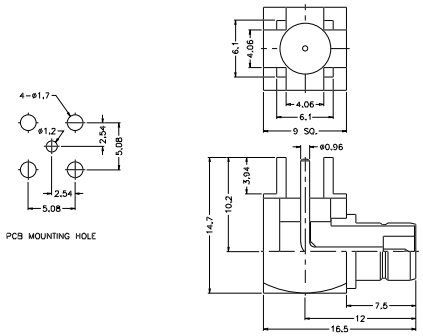
Note: Male center contact



Printed circuit Board Connectors

Right Angle Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1252B1-30GT30G-75	N/A	Gold	Teflon	75	N/A
SMZ1252B4-3GT30G-75	N/A	Gold	Teflon	75	N/A
SMZ1252B4-001-3GT30G-75	N/A	Gold	Teflon	75	N/A

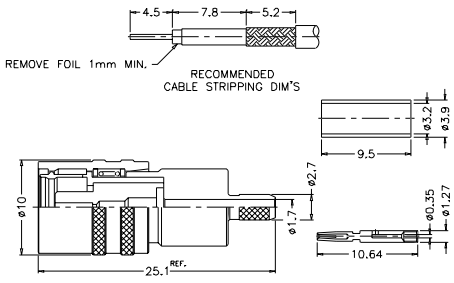


Note: Male center contact

HDC type 43

Straight Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule
T43142B2-N/10GT30G-2001-75	N/A	Nickel	Teflon	75	N/A
BT43/1GTIS					
T431421B2-N/10GT30G-2002-75	N/A	Nickel	Teflon	75	55AR0052
BT43/2GTIS					
T431421B2-N/10GT30G-2003-75	N/A	Nickel	Teflon	75	Hex 6,83
BT43/3GTIS					
T431421B1-N/10GT30G-6-75	06	Nickel	Teflon	75	1
solder or DMC-MH800					
BT43/4GTIS					
T431421B2-N/10GT30G-3002-75	16A	Nickel	Teflon	75	3
BT43/5GTIS					



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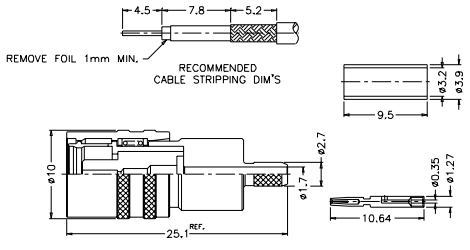
Straight Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T436121B2-N/10GT30G-2001-75	N/A	Nickel	Teflon	75	N/A
BT43/1FS					
T436121B2-N/10GT30G-2002-75	N/A	Nickel	Teflon	75	55AR0052
BT43/2FS					
T436121B2-N/10GT30G-2003-75	N/A	Nickel	Teflon	75	Hex 6,83
BT43/3FS					
T436121B1-N/10GT30G-6-75	06	Nickel	Teflon	75	1
BT43/4FS					
H436121B2-N/10GT30G-16A-75	16A	Nickel	Teflon	75	3
BT43/5FS					

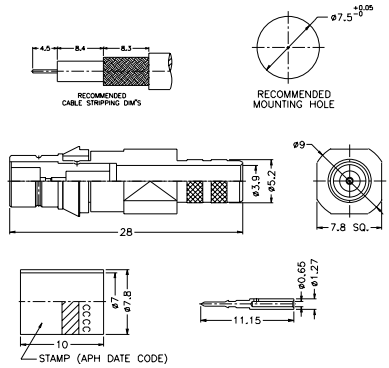


Assembly Instruction Z - page 248

HDC type 43

Straight Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H431421B2-N/10GT30G-2001-75N/A HDC43/1GTIS		Nickel	Teflon	75	N/A
H431421B2-N/10GT30G-2002-75N/A HDC43/2GTIS		Nickel	Teflon	75	55AR0052
H431421B2-N/10GT30G-2003-75N/A HDC43/3GTIS		Nickel	Teflon	75	Hex 6,83
H43121B1-N/10GT30G-6-75 HDC43/4GTIS	06	Nickel	Teflon	75	1
H431421B2-N/10GT30G-16A-75 HDC43/5GTIS	16A	Nickel	Teflon	75	3
H431421B2-001-N/10GT30G-75 HDC43/7GTIS	23	Nickel	Teflon	75	55AR0052



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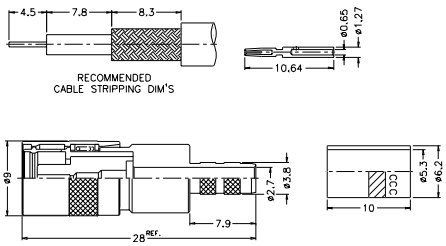
Straight Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H436121B2-N/10GT30G-2001-75N/A HDC43/1FS		Nickel	Teflon	75	N/A
H436121B2-N/10GT30G-2002-75N/A HDC43/2FS		Nickel	Teflon	75	55AR0052
H436121B2-N/10GT30G-2003-75N/A HDC43/3FS		Nickel	Teflon	75	Hex 6,83
H436121B1-N/10GT30G-6-75 HDC43/4FS	06	Nickel	Teflon	75	1
H436121B2-N/10GT30G-16A-75 HDC43/5FS	16A	Nickel	Teflon	75	3
H436121B2-001-N/10GT30G-75 HDC43/7FS	23	Nickel	Teflon	75	55AR0052



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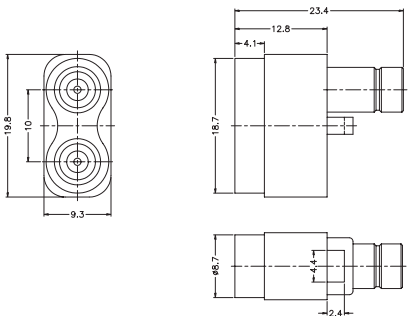
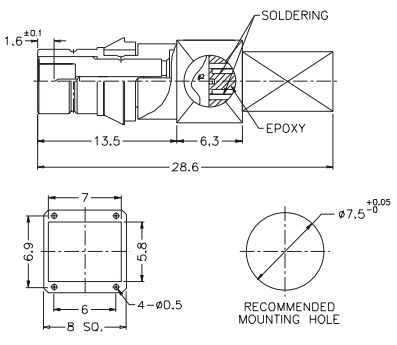
U-Link

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H439070A1-N/3GT30G-75 HDC43/10B	N/A	Nickel	Teflon	75	N/A
H437076A1-N/3GT30G-75 HDC43/10A	N/A	Gold	Teflon	75	N/A



HDC type 43 75/120 ohm Balun Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H43140100-3GT30G-75	N/A	Gold	Teflon	75	N/A



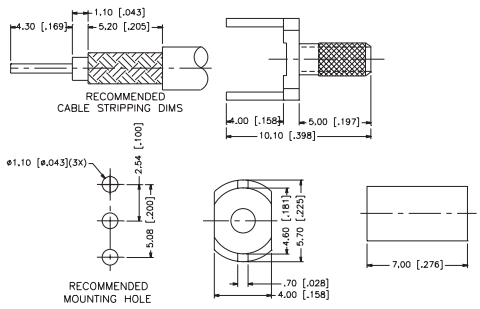
1. MAX. PANEL THICKNESS=5mm

Coaxial terminators are a low-cost solution to connect directly to your P.C. board, or where a signal needs to be continued within the equipment while the braid is terminated to the panel. Amphenol offers a large selection of cable types and connector styles. Fits MCX, SMA, SMB and SMC mounting-hole spacing.

Straight Crimp P.C. Board - 2 hole Mount - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TMN0111T2-3G-1	01	Gold	N/A	N/A	3 or 4
TMN0111T2-3G-1A	01A	Gold	N/A	N/A	3 or 4
TMN0111T1-3G-3	03	Gold	N/A	N/A	4
TMN0111T1-3G-5	05/06	Gold	N/A	N/A	1 or 2
TMN0111T1-3G-5A	05A/06A	Gold	N/A	N/A	2
TMN0111T1-3G-14	14	Gold	N/A	N/A	1 or 2
TMN0111T1-3G-16	16	Gold	N/A	N/A	3
TMN0111T1-3G-16A	16A	Gold	N/A	N/A	3

Note: Through hole or SMT mounting



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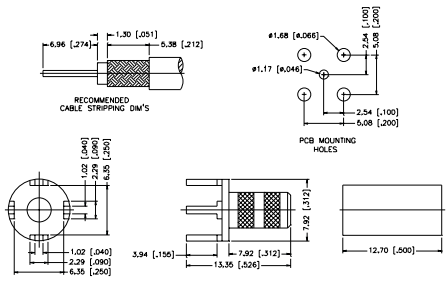
Straight Crimp P.C. Board - 4 hole Mount - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TMN0111B1-N-1	01	Nickel	N/A	N/A	3 or 4
TMN0111B1-3G-1	01	Gold	N/A	N/A	3 or 4
TMN0111B1-3G-1A	01A	Gold	N/A	N/A	3 or 4
TMN0111B1-3G-3	03	Gold	N/A	N/A	4
TMN0111B2-N-5	05/06	Nickel	N/A	N/A	1 or 2
TMN0111B2-3G-5	05/06	Gold	N/A	N/A	1 or 2
TMN0111B2-3G-5A	05A/06A	Gold	N/A	N/A	2
TMN0111B3-3G-14	14	Gold	N/A	N/A	1 or 2
TMN0111B1-3G-16	16	Gold	N/A	N/A	3
TMN0111B1-3G-16A	16A	Gold	N/A	N/A	3



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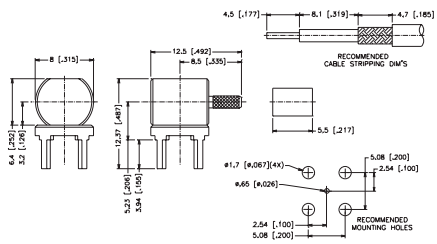
Right Angle Crimp P.C. Board - 4 hole Mount - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TMN0112U1-3G-5	05/06	Gold	N/A	N/A	1 or 2
TMN0112U1-3G-5A	05A/06A	Gold	N/A	N/A	2
TMN0112U1-3G-14	14	Gold	N/A	N/A	1 or 2



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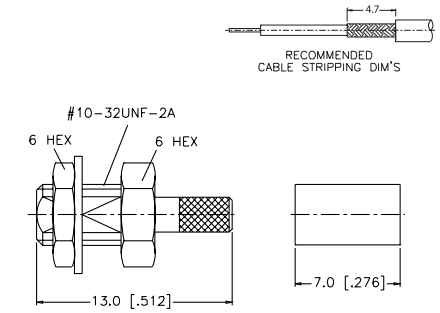
Shielded Terminations for Coaxial Cable

Straight Crimp - Bulkhead Mount - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TMN0411A2-N-1	01	Nickel	N/A	N/A	3 or 4
TMN0411A2-N-1A	01A	Nickel	N/A	N/A	3 or 4
TMN0411A3-N-3	03	Nickel	N/A	N/A	4
TMN0411A1-N-5	05/06	Nickel	N/A	N/A	1 or 2
TMN0411A1-N-5A	05A/06A	Nickel	N/A	N/A	2
TMN0411A1-N-14	14	Nickel	N/A	N/A	1 or 2
TMN0411A2-N-16	16	Nickel	N/A	N/A	3
TMN0411A2-N-16A	16A	Nickel	N/A	N/A	3



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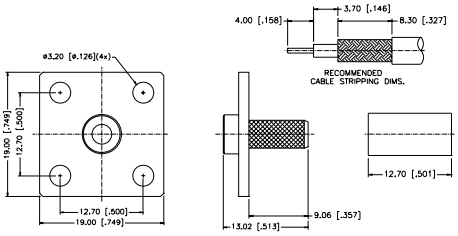
Straight Crimp - 4 hole Flange Mount - Flexible and semi-rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TMN0511A2-N-1	01	Nickel	N/A	N/A	3 or 4
TMN0511A2-N-1A	01A	Nickel	N/A	N/A	3 or 4
TMN0511A1-N-5	05/06	Nickel	N/A	N/A	1 or 2
TMN0511A1-N-5A	05A/06A	Nickel	N/A	N/A	2
TMN0581A1-3G-10 SMA 4-hole flange	10	Gold	N/A	N/A	N/A
TMN0581B1-3G-11 SMA 2-hole flange	11	Gold	N/A	N/A	N/A
TMN0511A1-N-14	14	Nickel	N/A	N/A	1 or 2
TMN0511A2-N-16	16	Nickel	N/A	N/A	3
TMN0511A2-N-16A	16A	Nickel	N/A	N/A	3



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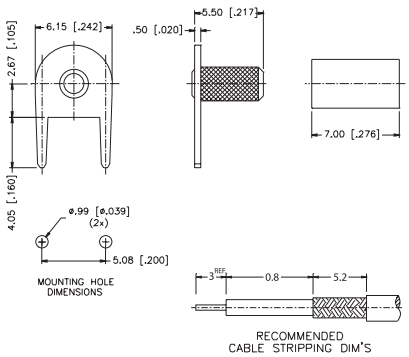
Right Angle Crimp - 2 hole P.C. Board Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SK0644-NBT-5	05/06	Tin Lead	N/A	N/A	1 or 2



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The SMP interface is a subminiature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40 GHZ. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

Electrical Specifications

Impedance	50 ohm
Frequency range	DC - 40 GHz
VSWR	< 1.50
Insertion Loss	0.1 dB maximum/1 GHz
Insulator Resistance	5,000 MΩ
Center Contact Resistance	< 6 mΩ
Outer Contact Resistance	< 2 mΩ
Test Voltage	500 V rms
Working Voltage	335 V rms
Contact Current	1.2 A DC maximum

Material Specifications

Male Body	Gold-plated brass
Female Body	Gold-plated beryllium copper
Pin Contact	Gold-plated brass Gold-plated beryllium copper
Socket Contact	Gold-plated brass Gold-plated beryllium copper
Spring Loaded Contact Parts	Beryllium copper
Insulator	PTFE
Crimping Sleeve	Copper Alloy

Environmental Specifications

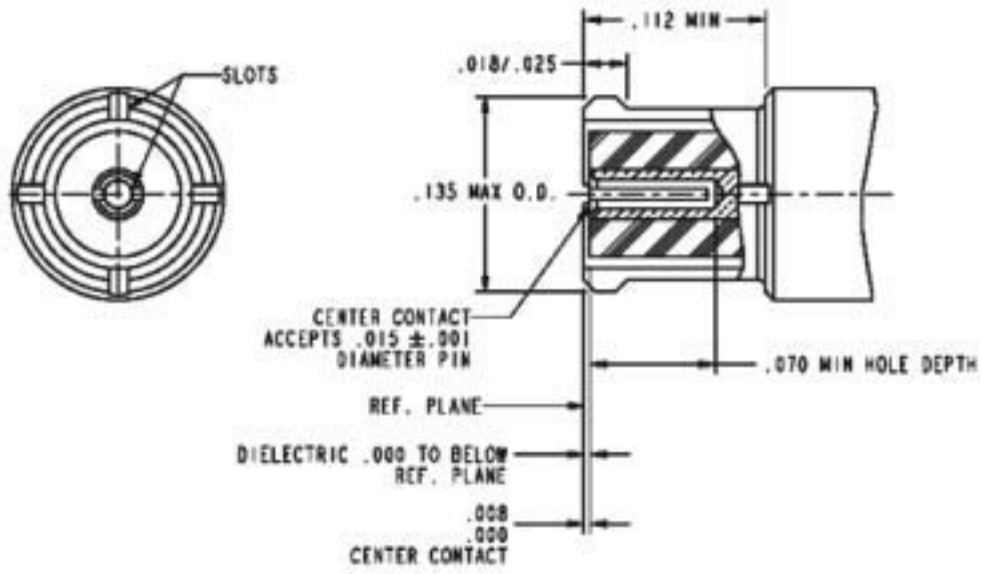
Temperature Range	-65°C to +155°C
Vibration	MIL-STD-202, method 204, test condition B
Humidity	MIL-STD-202, method 106, test condition D
Shock	MIL-STD-202, method 213, test condition B
Temperature Cycle	MIL-STD-202, method 102, test condition C

Mechanical Specifications

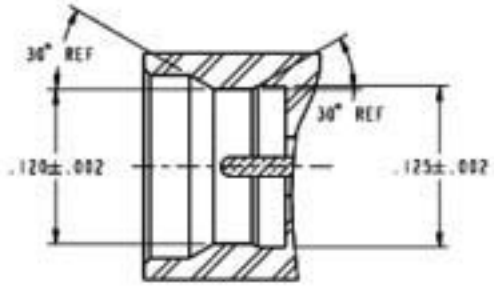
Engagement Force		Disengagement Force
Full Detent	9 lbs (40 N)	6.9 lbs (31 N)
Limited Detent	6.9 lbs (31 N)	5 lbs (22 N)
Smooth Bore	2 lbs (9 N)	0.5 lbs (2.2 N)
Catcher's Mitt	2 lbs (9 N)	0.5 lbs (2.2 N)
Mating Cycles		>100 with full detent; >500 with limited detent

Note: These characteristics are typical but may not apply to all connectors.

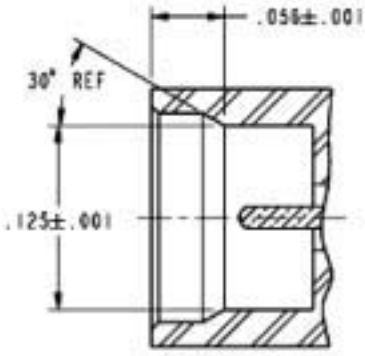
Interface mating dimensions



Limited Detent



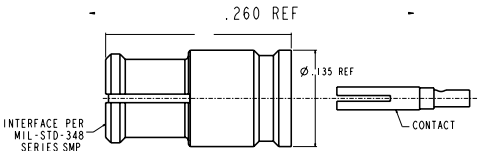
Smooth Bore



SMP Cable connector

Straight Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-FS-C06	0.086	Gold	Teflon	50	N/A
SMP-FS-C07	11	Gold	Teflon	50	N/A



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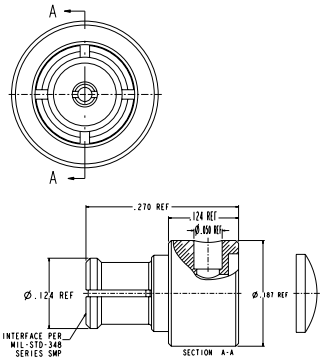
Right Angled Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-FR-C06	0.086	Gold	Teflon	50	N/A
SMP-FR-C07	11	Gold	Teflon	50	N/A



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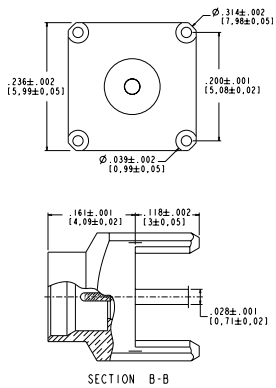
PCB Connectors

Straight Plug, Pin Contact PCB Receptacle

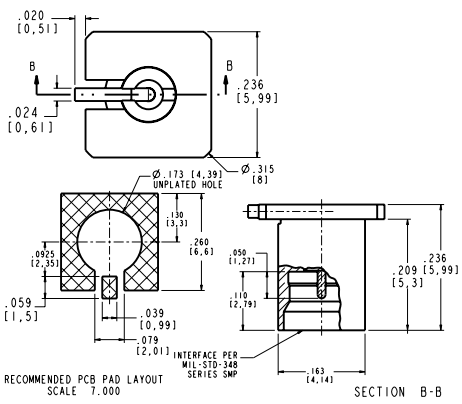
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-MSSB-PCT	N/A	Gold	Peek or LCP	50	N/A
SMP-MSCM-PCT	N/A	Gold	Peek or LCP	50	N/A



PCB Connectors

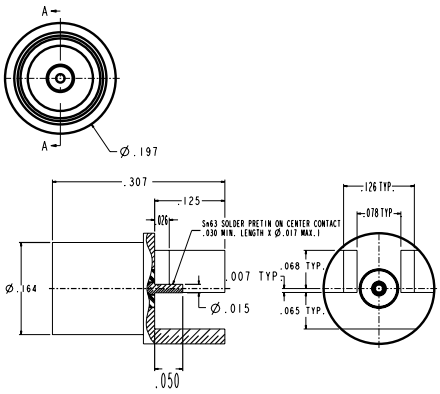
Straight Plug, Pin Contact PCB Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-MSLD-PCR	N/A	Gold	Peek or LCP	50	N/A
SMP-MSSB-PCR	N/A	Gold	Peek or LCP	50	N/A



Straight Plug End Launch

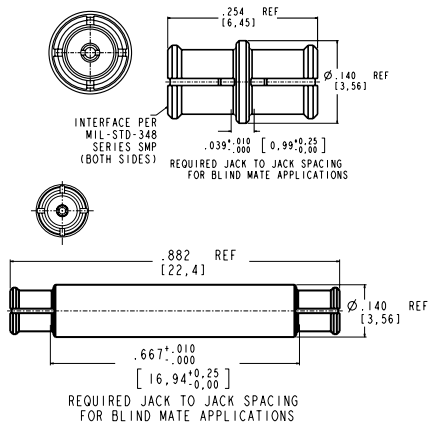
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-MSFD-PCE	N/A	Gold	Teflon	50	N/A



In Series Adapters

Bullet Adapters Jack to Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMP-FSBA-654	N/A	Gold	Teflon	50	N/A
SMP-FSBA-224	N/A	Gold	Teflon	50	N/A



Amphenol

RF Solutions for the Automotive Market

RF Solutions

for the Automotive Market

With recent advancements in communications technology and increased consumer demand for a diverse array of on-board telematics services, RF communications systems have become indispensable components of the modern automobile.

To keep RF interconnection costs low and ensure high levels of electrical and mechanical performance for telematics applications such as Global Positioning Satellite, Satellite Radio, Vehicular Internet Access, Remote vehicle diagnostics and Bluetooth, the German and American automotive industries have standardized a high-performing, cost-effective RF connector based on the FAKRA and USCAR standards.

Utilizing a standard metal SMB connector embedded within a plastic housing that can be designed with multiple colored codes for easy identification, FAKRA connectors are designed to perform up to 4 GHz and meet the particular mechanical and environmental requirements of the automobile industry.

Amphenol RF's industry leading product line meets both the FAKRA and USCAR standards with the following features:

- 13 different mechanical and color codes
- Plastic housing with locking feature and audible clicking noise
- Minimum of 100 mating cycles
- Frequency range of DC - 4 GHz
- Usable on multiple coaxial cables (RG-58. RG-174. RG-316. RG-178 and other micro-cables)
- Available in numerous connector configurations (straight and right angle solutions for cable applications, as well as edge-launch and PCB design)

Along with the growth of RF connection devices in the car, the need for coaxial cable has grown to a level which could require twice the amount of cable which goes into a home (over 100+ feet per car). To meet this demand, Amphenol's Times Fiber Communications division has developed a portfolio of cable products to meet the needs of the automotive industry. TFC's automotive cables are manufactured utilizing the highest quality materials and workmanship available:

- Lowest Signal Loss
- Multiple Shielding Options Available
- 100% Quality Testing - Electricals, Physicals
- Superior TFC/Amphenol Product Development

For more info about the Fakra connectors, please contact our nearest branch offices for a copy of the Fakra connector catalogue.

The Amphenol BNC connectors are made to high quality level. Medium size coaxial connectors with bayonet lock. 50 ohm impedance for applications up to 4 GHz and 75 ohm impedance up to 2 GHz.

75 Ohm Series

Within the internationally standardized BNC mating face dimensions, a perfect 75 ohm characteristic impedance cannot be realized. However, at frequencies up to 1000 MHz, the small impedance deviation is negligible for practical applications. Amphenol true 75 ohm connectors with a typical VSWR reading of 1.06:1 at 2000 MHz are identified by an asterisk following the part number.

All 75 ohm BNC connectors and 50 ohm BNC connectors are intermateable without restrictions.

Slimline BNC has the same specifications as the standard BNC. Through the new design, it is possible to have 40% more interconnects in the same area.

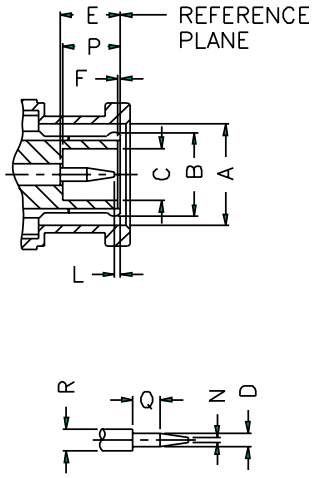
Electrical Specifications

Impedance	50 ohm	75 ohm
Frequency Range	0-4 GHz	0-1 Ghz
Working Voltage	500 Volts rms.	500 Volts rms.
Dielectric Withstanding Voltage	1500 Volts rms.	1500 Volts rms.
VSWR	1.3 max. 0-4 GHz	1.05+0.1f(GHz) DC to 1 GHz
Contact Resistance	Center contact 1.5 milliohm Outer contact 1.0 milliohm	Center contact 1.5 milliohm Outer contact 1.0 milliohm
Insulation Resistance	5000 megohm (min)	5000 megohm (min)

Material Specifications

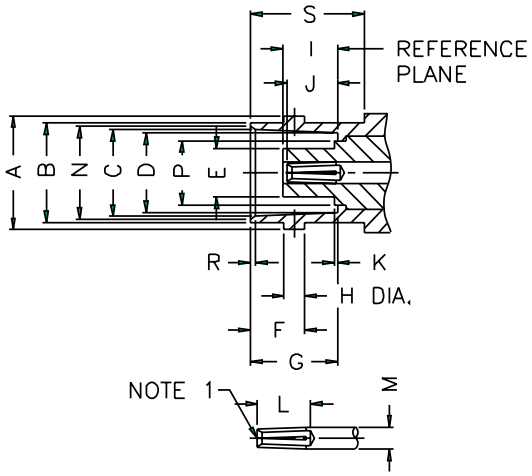
Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Phosphor Bronze (nominal) or Beryllium Copper	Gold or Silver plated
Metal parts		Brass	Nickel
Insulators		Teflon, Delrin, PBT polyester	None
Clamp gaskets		Silicone rubber, Synthetic rubber	None
Crimp ferrule		Annealed copper	Nickel

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	9.78 [.385]	9.91 [.390]
B	Flared to meet good electrical contact	
C	4.83 [.190]	-
D	1.32 [.052]	1.37 [.054]
E	5.33 [.210]	5.84 [.230]
F	0.15 [.006]	0.46 [.018]
L	0.08 [.003]	1.02 [.040]
N	-	0.64 [.025]
P	5.28 [.208]	5.79 [.228]
Q	1.98 [.078]	-
R	2.06 [.081]	2.21 [.087]

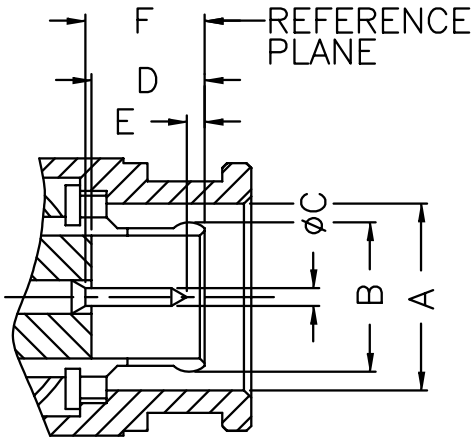


Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	10.97 [.432]	11.07 [.436]
B	9.60 [.378]	9.70 [.382]
C	8.31 [.327]	8.46 [.333]
D	8.10 [.319]	8.15 [.321]
E	-	4.72 [.186]
F	5.18 [.204]	5.28 [.208]
G	8.31 [.327]	8.51 [.335]
H	1.91 [.075]	2.06 [.081]
I	4.78 [.188]	5.28 [.208]
J	4.72 [.186]	5.23 [.206]
K	-	0.15 [.006]
L	4.95 [.195]	-
M	2.06 [.081]	2.21 [.087]
N	8.79[.346]	9.04 [.356]
P	-	6.50 [.256]
R	0.38 [.015]	0.76 [.030]
S	10.52 [.414]	-

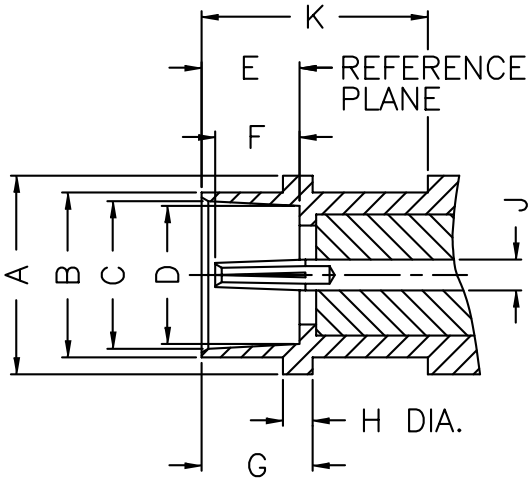
Note 1: I.D. to meet VSWR and contact resistance when mated with 1.32/1.37 mm dia.Pin.

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	7.70 [.303]	7.80 [.307]
B	Flared to meet good electrical contact	
C	0.72 [.028]	0.76 [.030]
D	4.55 [.179]	4.85 [.191]
E	1.00 [.039]	1.30 [.012]
F	4.70 [.185]	5.00 [.197]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	8.99 [.354]	9.09 [.358]
B	7.44 [.293]	7.54 [.297]
C	6.65 [.262]	6.75 [.266]
D	6.22 [.245]	6.27 [.247]
E	4.35 [.171]	4.55 [.179]
F	4.00 [.157]	4.30 [.169]
G	4.32 [.170]	4.42 [.174]
H	1.27 [.005]	1.43 [.056]
J	1.38 [.054]	1.42 [.056]
K	7.82 [.308]	-

All connector bodies, unless otherwise noted, are nickel plated. Center contacts are 3µ" gold plated. Insulators are Delrin, unless otherwise noted.
Silver plating and Teflon insulators are available on virtually all BNC connectors. Please contact Amphenol for samples and quotes.
All dimensions in millimeters and [inches].

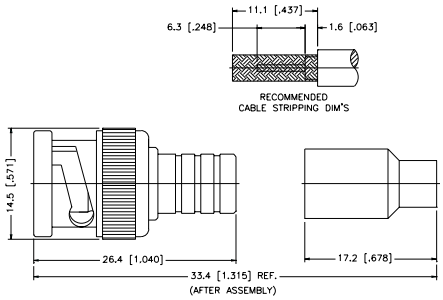
Note 1 : I.D. to meet VSWR and contact resistance when mated with 0.72/0.76 mm dia. Pin.

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Single Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1111L1-001-ND3G-01-50	01	Nickel	Delrin	50	5
B1111L1-001-ND3G-03-50	03	Nickel	Delrin	50	5

Remark: Only for Solid Center Conductor Cable

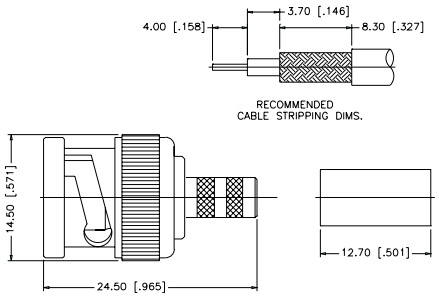


Assembly Instruction J - page 232

Straight Crimp Plug - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1121A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
B1121A1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B1121BA-001-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
B1121AA-NT3G-1B-50	01B	Nickel	Teflon	50	3 or 4
B1121A1-ND3G-3-50	03	Nickel	Delrin	50	4
B1121A1-ND3G-3-75	03	Nickel	Delrin	75	4
B1121A9-NT3G-3-75*	03	Nickel	Teflon	75	7
B1121A1-ND3G-3A-75	03A	Nickel	Delrin	75	4
B1121A9-009-NT30G-3A-75*	03A	Nickel	Teflon	75	4
B1121C1-ND3G-3B-75	03B	Nickel	Delrin	75	4
B1121A6-NT3G-7-50	07	Nickel	Teflon	50	4 + 6
B1121A6-NT3G-7A-50	07A	Nickel	Teflon	50	4 + 6
B1121A1-ND3G-7B-50	07B	Nickel	Delrin	50	4
B1121A6-NT3G-7C-50	07C	Nickel	Teflon	50	6
B1121A2-NT3G-7D-50	07D	Nickel	Teflon	50	4 + 6
B1121A6-NT3G-7E-75	07E	Nickel	Teflon	75	2 + 6
B1121A6-NT3G-7F-75	07F	Nickel	Teflon	75	2 + 6
B1121A1-ND3G-8-75	08	Nickel	Delrin	75	4
B1121CA-002-ND3G-8A-75	08A	Nickel	Delrin	75	5
B1121A9-NT15G-8A-75*	08A	Nickel	Teflon	75	2 + 5
B1121AA-ND3G-8B-75	08B	Nickel	Delrin	75	4
B1121A9-NT15G-8B-75*	08B	Nickel	Teflon	75	5
B1121A1-ND3G-15-75	15	Nickel	Delrin	75	5
B1121A1-NT3G-15-75*	15	Nickel	Teflon	75	5
B1121C1-ND3G-15A-75	15A	Nickel	Delrin	75	5
B1121A9-003-NT3G-75	16	Nickel	Teflon	75	.180 hex
B1121A9-003-NT3G-75	16A	Nickel	Teflon	75	.180 hex
B1121A9-NT15G-18-75*	18	Nickel	Teflon	75	2 + 4
B1121A9-NT15G-19-75*	19	Nickel	Teflon	75	9
B1121A1-NT3G-22-75	22	Nickel	Teflon	75	.180 hex
Diecast Shell					
B1121BA-001-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B1121B1-ND3G-3-50	03	Nickel	Delrin	50	4
B1121B1-ND3G-3-75	03	Nickel	Delrin	75	4

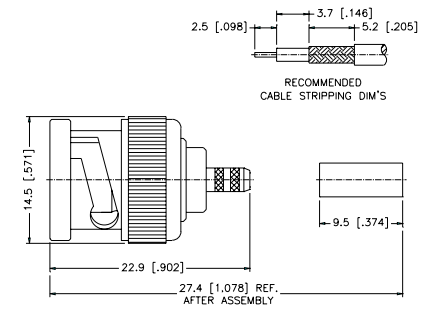
* Center contact .053" diameter, 30 µ" Au.
True 75 ohm. Use .044 hex or 12-indent crimp



Assembly Instruction J - page 232

Straight Crimp Plug - Pin-in-Pin - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1121G1-ND3G-5-50	05	Nickel	Delrin	50	2
B1121G1-ND3G-6-75	06	Nickel	Delrin	75	2
Diecast Shell					
B1121H1-001-ND3G-5-50	05	Nickel	Delrin	50	1 or 2
B1121H1-001-ND3G-6-75	06	Nickel	Delrin	75	2



Assembly Instruction J - page 232

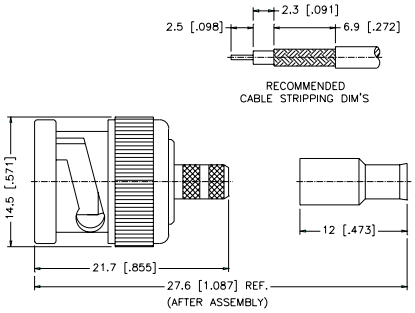
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1121E9-002-NTPX3G-6-75	06	Nickel	TPX	75	3
Diecast Shell					
B1121F9-003-NTPX3G-6-75	06	Nickel	TPX	75	3

Remark: TPX Insulator/75 ohm AVAILABLE ONLY

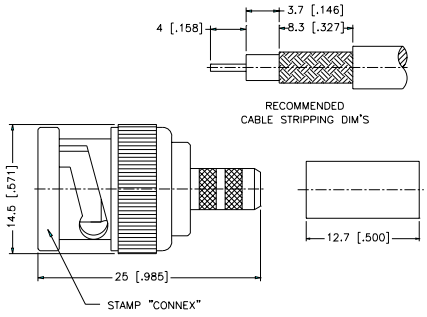


Assembly Instruction K - page 233

Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - Captive Contact - Plenum Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1121CA-001-ND3G-4A-75	04A	Nickel	Delrin	75	4



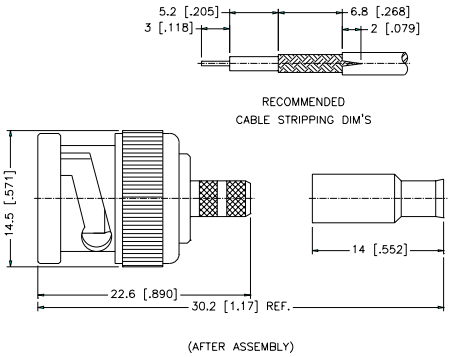
Assembly Instruction J - page 232

Straight Crimp Plug - Captive Contact - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1121E1-ND3G-5-50	05	Nickel	Delrin	50	3
B1121E1-ND3G-5A-50	05A	Nickel	Delrin	50	3
B1121E1-ND3G-6-50	06	Nickel	Delrin	50	3
B1121E2-003-ND3G-6-75	06	Nickel	Delrin	75	3
B1121E1-ND3G-6A-75	06A	Nickel	Delrin	75	9
B1121H1-001-ND3G-14-50	14	Nickel	Delrin	50	9
B1121A1-ND3G-16-75	16	Nickel	Delrin	75	1 or 2
B1121A1-ND3G-16A-75	16A	Nickel	Delrin	75	1 or 2
B1121A9-010-NT30G-16-75*	16	Nickel	Teflon	75	3
B1121A9-010-NT30G-16A-75	16A	Nickel	Teflon	75	3
Diecast Shell					
B1121FA-001-ND3G-5-50	05	Nickel	Delrin	50	3
B1121FA-001-ND3G-6-50	06	Nickel	Delrin	50	3

Remark: With teflon sleeve/Hex crimp size. 178"

* Center contact .053" diameter, 30 µ" Au.
True 75 ohm. Use .044 hex or 12-indent crimp



Assembly Instruction K - page 233

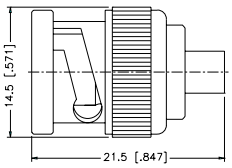
For Reversed Polarized connectors contact local Amphenol Sales Branch.

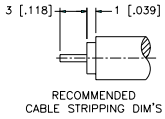
Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

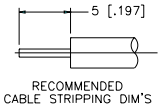
Straight Solder Plug - Semi-Rigid Cable

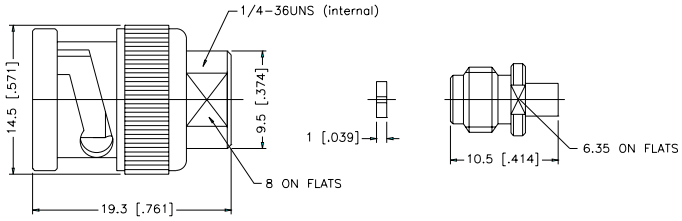
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1181A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
B1181A1-N/NT30GA-10-75	10	Nickel/Gold	Teflon	75	N/A
B1181A1-NT3G-11-50	11	Nickel/Gold	Teflon	50	N/A

B1181A1-N/3GT3G-10-50









B1181A1-N/NT30GA-10-75

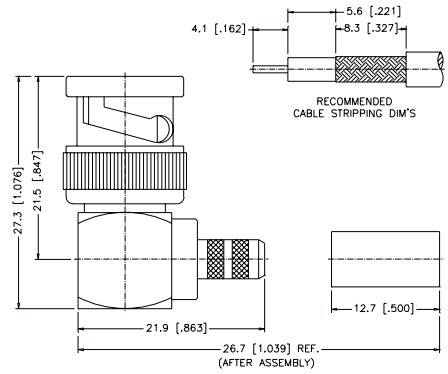
Assembly Instruction E - page 227

Right Angle Plug Crimp Attachment for Flexible Cable

Right Angle Crimp/Solder Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1112A1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B1112A1-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
B1112A1-NT3G-1B-50	01B	Nickel	Teflon	50	3 or 4
B1112A1-ND3G-3-50	03	Nickel	Delrin	50	4
B1112A1-ND3G-3-75	03	Nickel	Delrin	75	4
B1112A6-NT3G-3-75*	03	Nickel	Teflon	75	4
B1112A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
B1112A1-NT3G-3-75	03	Nickel	Teflon	75	4
B1112A4-NT3G-7-50	07	Nickel	Teflon	50	6
B1112A4-NT3G-7A-50	07A	Nickel	Teflon	50	6
B1112A4-ND3G-7B-50	07B	Nickel	Delrin	50	3 or 4
B1112A4-NT3G-7C-50	07C	Nickel	Teflon	50	6
B1112A6-NT3G-18-75*	18	Nickel	Teflon	75	4
B1112A6-NT3G-19-75*	19	Nickel	Teflon	75	9
Diecast Shell					
B1112B1-001-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B1112B1-001-ND3G-3-50	03	Nickel	Delrin	50	4
B1112B1-001-ND3G-3-75	03	Nickel	Delrin	75	4

* Center contact .053" diameter, 30µ" Au. True 75 Ohm. Use .044 hex or 12-indent crimp



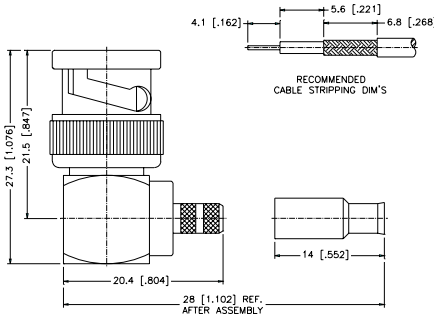
Assembly Instruction I - page 231

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Right Angle Plug Crimp Attachment for Flexible Cable

Right Angle Crimp/Solder Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1112E1-ND3G-5-50	05	Nickel	Delrin	50	3
B1112E1-ND3G-5A-50	05A	Nickel	Delrin	50	9
B1112E1-ND3G-6-75	06	Nickel	Delrin	75	9
B1112E1-ND3G-6A-75	06A	Nickel	Delrin	75	3
B1112E1-ND3G-16-75	16	Nickel	Delrin	75	9
B1112E1-ND3G-16A-75	16A	Nickel	Delrin	75	9

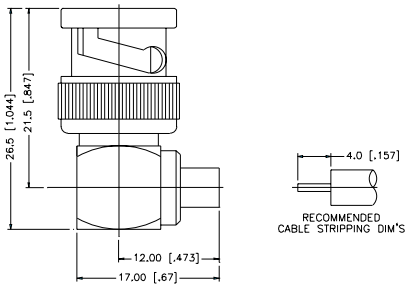


Assembly Instruction I - page 231

Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Solder Plug - Semi-Rigid Cable

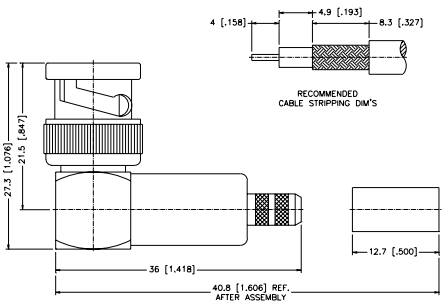
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1182A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
B1182A1-N/NT30GA-11-50	11	Nickel/Gold	Teflon	50	N/A



Assembly Instruction F - page 228

Right Angle Crimp/Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1122A1-ND3G-1-50	01	Nickel	Delrin	50	4
B1122A1-ND3G-3-50	03	Nickel	Delrin	50	4
B1122A1-ND3G-3-75	03	Nickel	Delrin	75	4
B1122A1-NT3G-8-75	08	Nickel	Teflon	75	5
B1122A1-NT3G-15-75	15	Nickel	Teflon	75	5
Diecast Shell					
B1122B1-001-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B1122B1-001-ND3G-3-75	03	Nickel	Delrin	75	4
B1122B1-001-NT3G-75	16A,16	Nickel	Teflon	75	.180 hex



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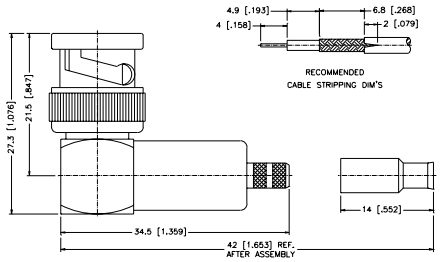
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Crimp/Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1122E1-002-ND3G-5-50	05	Nickel	Delrin	50	3
B1122E1-ND3G-6-75	06	Nickel	Delrin	75	3
Diecast Shell					
B1122F1-001-ND3G-5-50	05	Nickel	Delrin	50	3
B1122F1-001-ND3G-6-75	06	Nickel	Delrin	75	3

Remark: With teflon sleeve Hex. crimp size .178”



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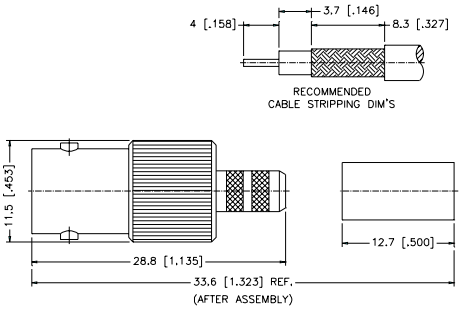
Jack Crimp attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Captured					
B6121A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
B6121B1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B6121A1-004-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
B6121A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
B6121A1-NT3G-3-50	03	Nickel	Teflon	50	4
B6121A1-NT3G-3-75	03	Nickel	Teflon	75	4
B6121B1-ND3G-3-50	03	Nickel	Delrin	50	4
B6121A1-NT3G-3A-75	03A	Nickel	Teflon	75	4
B6121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
B6121A6-NT3G-7C-50	07C	Nickel	Teflon	50	1 + 6
B6121A2-NT3G-8A-75*	08A	Nickel	Teflon	75	2 + 5
B6121A2-NT3G-8B-75*	08B	Nickel	Teflon	75	2 + 5
B6121A1-NT3G-15-75	15	Nickel	Teflon	75	5
B6121A2-NT3G-18-75*	18	Nickel	Teflon	75	4
B6121A2-NT3G-19-75*	19	Nickel	Teflon	75	9

* Center contact .052” diameter, 30µ” Au. True 75 ohm.
Use .044 hex or 12-indent crimp



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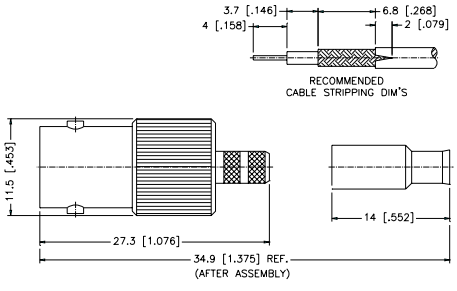
Straight Crimp Jack - Miniature and Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6121E1-ND3G-5-50	05	Nickel	Delrin	50	9
B6121E1-ND3G-5A-50	05A	Nickel	Delrin	50	9
B6121E1-ND3G-6-75	06	Nickel	Delrin	75	9
B6121E1-ND3G-6A-75	06A	Nickel	Delrin	75	9
B6181A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
B6181A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
B6121G1-NT3G-14-50	14	Nickel	Teflon	50	9
B6121B1-ND3G-16-75	16	Nickel	Delrin	75	9
B6421A1-003-NT3G-75	16A,16	Nickel	Teflon	75	.180 hex

Remark: With teflon sleeve, Hex crimp size .178”



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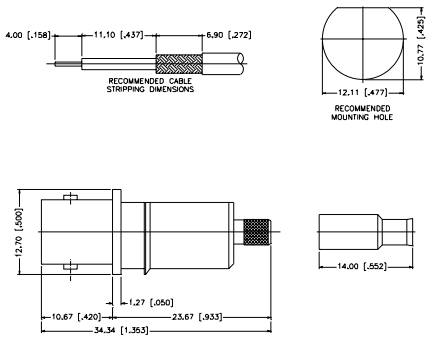
Assembly Instruction K - page 233

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Jack Crimp attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

Bulkhead Crimp jack - Snap-In Panel - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B632100-001-NT3G-5-50	05	Nickel	Teflon	50	3



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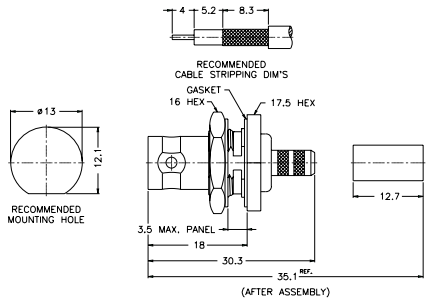
Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Teflon/Captured					
B6421A1-NT3G-1-50	01	Nickel	Teflon	50	4
B6421A1-ND3G-1A-50	01A	Nickel	Delrin	50	4
B6421A1-NT3G-1B-50	01B	Nickel	Teflon	50	3 or 4
B6421A1-NT3G-3-50	03	Nickel	Teflon	50	4
B6421A1-NT3G-3-75	03	Nickel	Teflon	75	4
B6421A1-NT3G-3A-50	03A	Nickel	Teflon	50	4
B6421A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
B6421A6-NT3G-7C-50	07C	Nickel	Teflon	50	1 + 6
B6421A1-NT3G-15-75	15	Nickel	Teflon	75	3
B6421A1-003-NT3G-75	16,16A	Nickel	Teflon	75	.180 hex
Delrin/Non Captured					
B6421B1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
B6421B1-ND3G-3-50	03	Nickel	Delrin	50	4
B6421B1-ND3G-3-75	03	Nickel	Delrin	75	4

Remark: 3.5 [.138] Max. panel thickness



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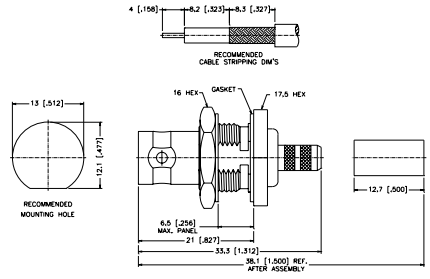
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6421A2-NT3G-1-50	01	Nickel	Teflon	50	4
B6421A2-NT3G-3-75	03	Nickel	Teflon	75	4

Remark: 6.5 [.256] Max. panel thickness



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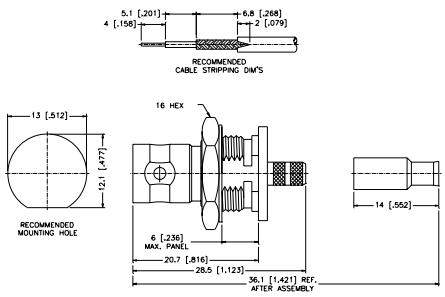
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Isolated Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6721E1-NT3G-5-50	05	Nickel	Teflon	50	9
B6721E1-NT3G-6-75	06	Nickel	Teflon	75	9

Remark: 6.0 [.236] Max. panel thickness



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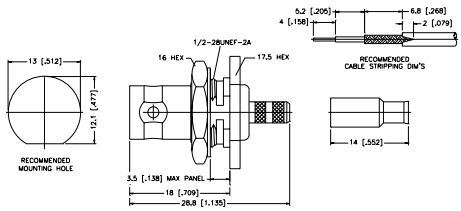
Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6421E1-ND3G-5-50	05	Nickel	Delrin	50	9
B6421E1-ND3G-5A-50	05A	Nickel	Delrin	50	9
B6321A2-001-NT3G-5A-50 Front Mount	05A	Nickel	Teflon	50	2
B6421E1-ND3G-6-75	06	Nickel	Delrin	75	9
B6421E1-ND3G-6A-75	06A	Nickel	Delrin	75	3
B6421G1-ND3G-14-50	14	Nickel	Delrin	50	1 or 2
B6421A1-NT3G-16-75	16	Nickel	Teflon	75	3
B6421A1-NT3G-16A-75	16A	Nickel	Teflon	75	3
B6421A3-NT3G-18-75*	18	Nickel	Teflon	75	4
B6421A3-NT3G-19-75*	19	Nickel	Teflon	75	9

* Center contact .052" diameter, 30µ" Au, true 75 ohm.
Use .044 hex crimp or 12-indent crimp



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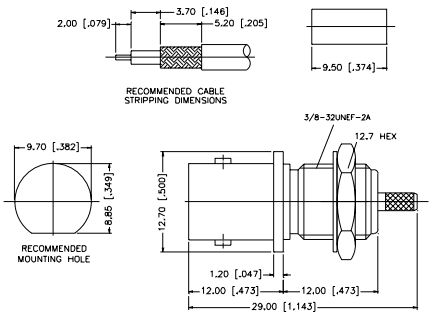
B6321A2-003-NT3G-5-50, B6321A2-005-NT3G-5A-50

B6321A2-003-NT3G-5-50 Front Mount	05	Nickel	Delrin	50	1 or 2
B6321A2-005-NT3G-5A-50 Front Mount	05A	Nickel	Delrin	50	2

Remark: With teflon sleeve, Hex crimp size .178",
3.5 [.138] Max. panel thickness



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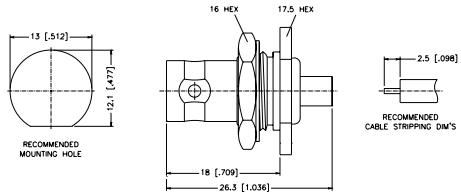
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6481A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
B6481A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
B6381A1-N/3GT3G-11-50 Front Mount	11	Nickel/Gold	Teflon	50	N/A
B6381-N/3GT3G-11-75 Front Mount	11	Nickel/Gold	Teflon	75	N/A



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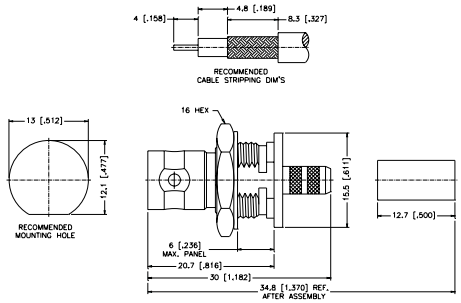
Bulkhead Isolated Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Teflon/Captured					
B6721A1-NT3G-1-50	01	Nickel	Teflon	50	4
B6721A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
B6721A1-NT3G-3-50	03	Nickel	Teflon	50	4
B6721A1-NT3G-3-75	03	Nickel	Teflon	75	4

Remark: 6.0 [.236] Max. panel thickness



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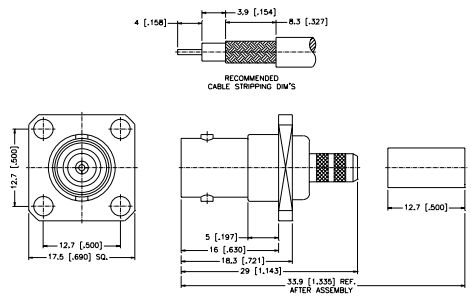
Panel Jack Crimp Attachment for Flexible Cable

Panel Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6521A1-NT3G-1-50	01	Nickel	Teflon	50	4
B6521A1-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
B6521A1-NT3G-3-50	03	Nickel	Teflon	50	4
B6521A1-NT3G-3-75	03	Nickel	Teflon	75	4

Remark: 5.0 [.197] Max. panel thickness



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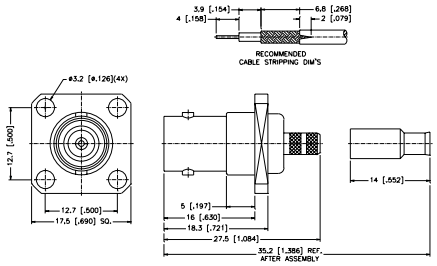
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Panel Crimp and Solder Jack - Miniature and Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6521E1-NT3G-5-50	05	Nickel	Teflon	50	9
B6521F1-NT3G-5A-50	05A	Nickel	Teflon	50	9
B6521F1-ND3G-6-75	06	Nickel	Delrin	75	9
B6581A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
B6581A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A

Remark: 5.0 [.197] Max. panel thickness



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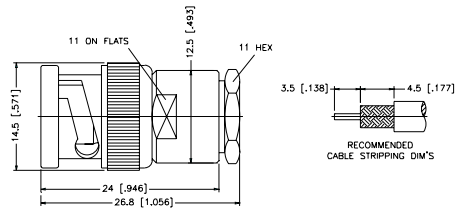
Clamp Attachment for Flexible Cable

Straight Clamp Plug - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1141A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1141A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1141A1-ND3G-3-75	03	Nickel	Delrin	75	N/A
B1141C1-NT3G-5-50	05	Nickel	Teflon	50	N/A
B1141A2-NT3G-7A-50	07A	Nickel	Teflon	50	N/A
B1141A2-NT3G-7E-75	07E	Nickel	Teflon	75	N/A

Remark: Barrel O.D. = 12.5 mm



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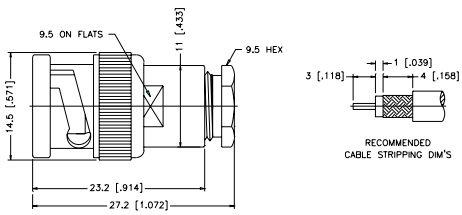
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1141C1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1141C1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1141C1-ND3G-3-75	03	Nickel	Delrin	75	N/A
Diecast Shell					
B1141D1-001-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1141D1-ND3G-3-50	03	Nickel	Delrin	50	N/A

Remark: UG-88/U, UG-260/U



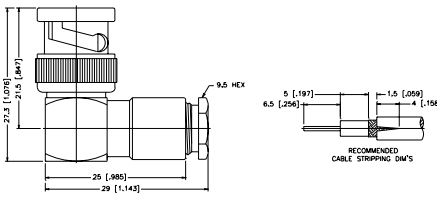
Assembly Instruction M - page 235

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Clamp Attachment for Flexible Cable

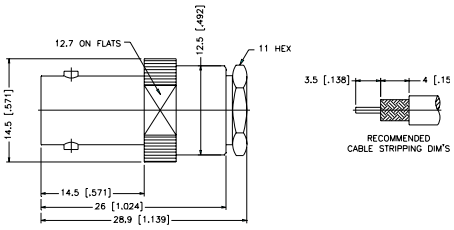
Right Angle Clamp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1142E1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1142E1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1142E1-ND3G-3-75	03	Nickel	Delrin	75	N/A



Straight Clamp Jack - Captive contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6141A1-NT3G-1-50	01	Nickel	Teflon	50	N/A
B6141A1-NT3G-3-50	03	Nickel	Teflon	50	N/A
B6141A1-NT3G-3-75	03	Nickel	Teflon	75	N/A
B6141A2-NT3G-7A-50	07A	Nickel	Teflon	50	N/A



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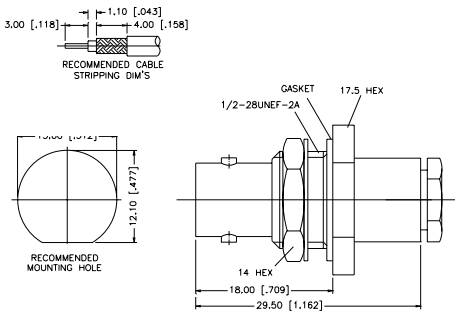
Jack Clamp Attachment for Flexible Cable

Bulkhead Clamp jack - Captive Contact - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6441A2-NT3G-1-50	01	Nickel	Teflon	50	N/A
B6441A1-NT3G-5-50	05	Nickel	Teflon	50	N/A
B6441A1-NT3G-6-75	06	Nickel	Teflon	75	N/A



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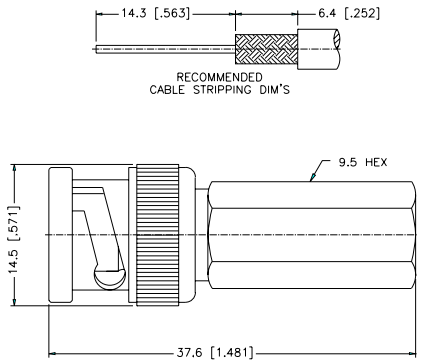
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Twist-On Attachment for Flexible Cable

Twist-On Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1131A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1131A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1131A1-ND3G-3-75	03	Nickel	Delrin	75	N/A
B1131A1-ND3G-8-50	08	Nickel	Delrin	50	N/A
Diecast Shell					
B1131B1-001-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1131B1-001-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1131B1-001-ND3G-3-75	03	Nickel	Delrin	75	N/A
B1131B1-001-ND3G-8-75	08	Nickel	Delrin	75	N/A

Remark: Only for solid center conductor cable



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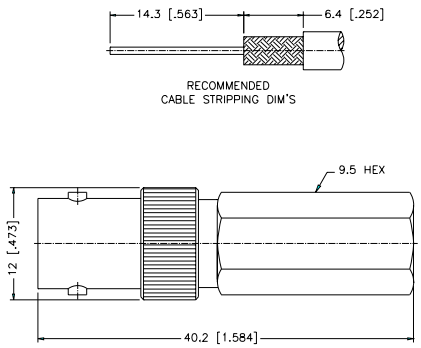
Twist-On Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6131A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B6131A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B6131A1-ND3G-2-50	02	Nickel	Delrin	50	N/A

Remark: Only for solid center conductor cable



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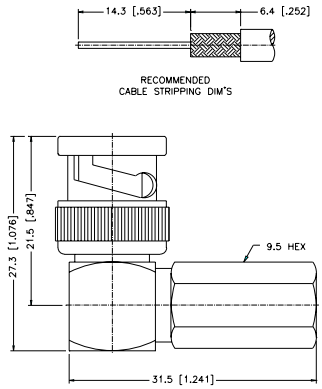
Right Angle Twist-On plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Diecast Shell					
B1132B1-001-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1132B1-001-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1132B1-001-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: Only for solid center conductor cable



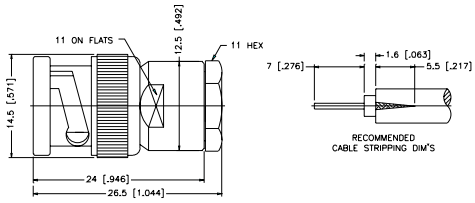
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Wedge Compression Attachment for Flexible Cable

Wedge compression Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1141G1-ND3G-1-50	01	Nickel	Delrin	50	N/A
B1141G1-ND3G-3-50	03	Nickel	Delrin	50	N/A
B1141G1-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: With wedge pin

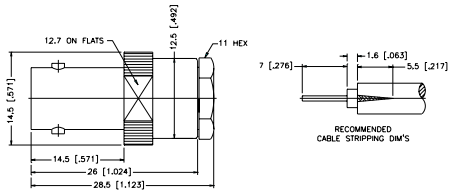


Assembly Instruction P - page 238

Wedge Compression Jack - Standard cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6141G1-NT3G-1-50	01	Nickel	Teflon	50	N/A
B6141G1-NT3G-3-50	03	Nickel	Teflon	50	N/A
B6141G1-NT3G-3-75	03	Nickel	Teflon	75	N/A

Remark: With wedge contact



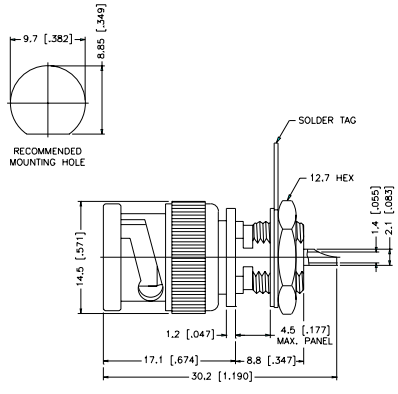
Assembly Instruction P - page 238

Bulkhead Receptacle/Solder Cup Terminal

Bulkhead Receptacle Plug - Front Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B1351Q1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B1351Q2-NT3G-75	N/A	Nickel	Teflon	75	N/A

Remark: 4.5 [.177] Max. panel thickness

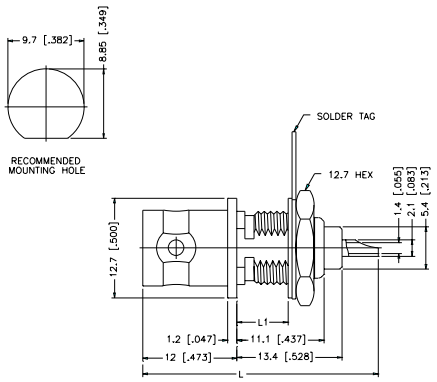


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Receptacle/Solder Cup Terminal

Bulkhead Receptacle Jack - Front Mount

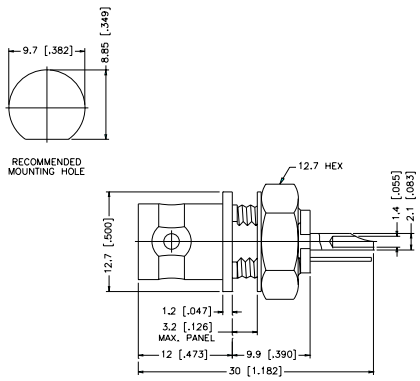
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
L1 = 3.2 [.126] Max. panel thickness, L = 26.7 [1.05]					
B6351B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B6351B1-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6351B1-ND3G-75	N/A	Nickel	Delrin	75	N/A
L1 = 6.5 [.256] Max. panel thickness, L = 30.0 [1.18]					
B6351B2-ND3G-50	N/A	Nickel	Delrin	50	N/A
B6351B2-ND3G-75	N/A	Nickel	Delrin	75	N/A
L1 = 9.5 [.374] Max. panel thickness, L = 33.0 [1.30]					
B6351B3-ND3G-50	N/A	Nickel	Delrin	50	N/A
B6351B3-ND3G-75	N/A	Nickel	Delrin	75	N/A



Bulkhead Receptacle Isolated Jack - Front Mount

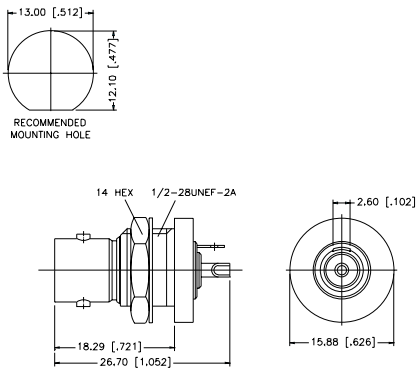
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6651B1-NNYL3G-50	N/A	Nickel	ABS	50	N/A
B6651B1-NNYL3G-75	N/A	Nickel	ABS	50	N/A

Remark: 3.2 [.126] Max. panel thickness



Bulkhead Receptacle Isolated Jack - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B675100-001-NT3G-50	N/A	Nickel	Teflon	50	N/A

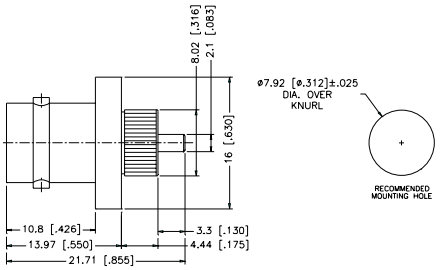


For Reversed Polarized connectors contact local Amphenol Sales Branch.

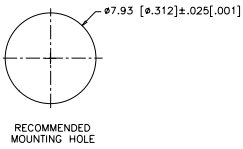
Bulkhead Receptacle/Solder Pot Terminal

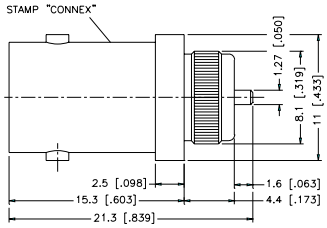
Bulkhead Receptacle - Push Fit

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6051A2-NT30G-50	N/A	Nickel	Teflon	50	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6051A1-NT50G-50	N/A	Nickel	Teflon	50	N/A

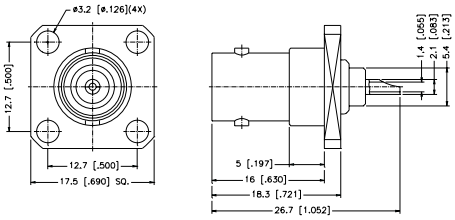




Panel Receptacles

Panel Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6551A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6551A1-NT3G-75	N/A	Nickel	Teflon	75	N/A
B6551A9-001-NT3G-50 Flush Rear 4-40 Screws	N/A	Nickel	Teflon	50	N/A

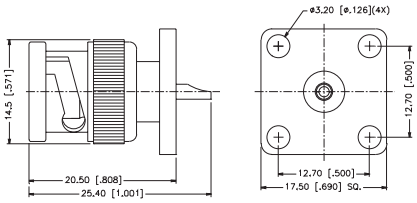


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Receptacles

Panel Receptacle Plug

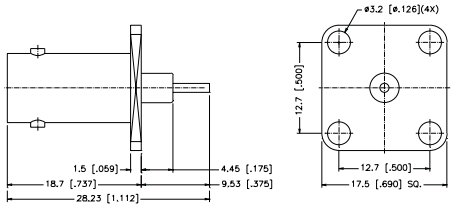
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1551A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Panel Receptacle Jack - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6551E1-002-NT30G-50	N/A	Nickel	Teflon	50	N/A
B6551E1-002-ST30GA-50	N/A	Silver	Teflon	50	N/A

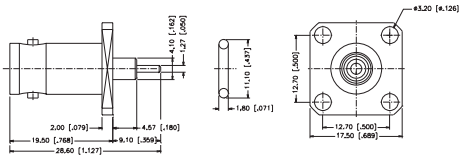
Note: Contact Amphenol for other lengths availability



Panel Receptacle - Exposed Teflon - Gasket Seal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6551E1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A

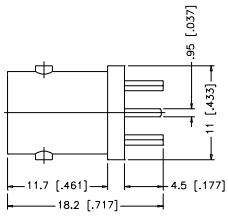
Note: Contact Amphenol for other lengths availability



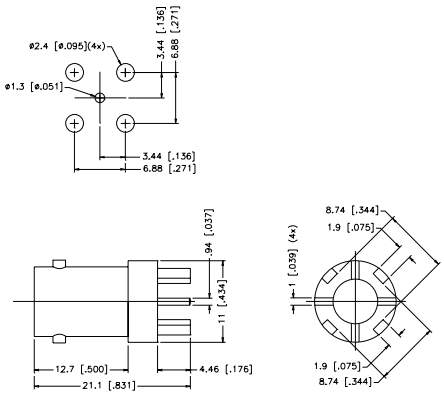
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Straight P.C. Board Mount Jack - Four Legs

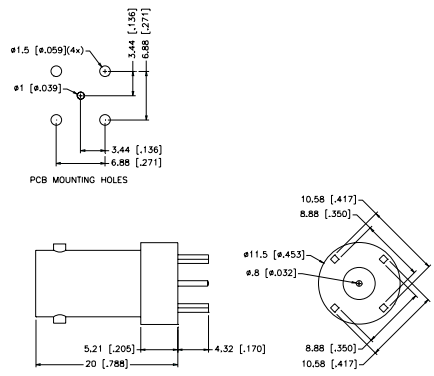
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251C1-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6251C1-NT3G-75	N/A	Nickel	Teflon	75	N/A



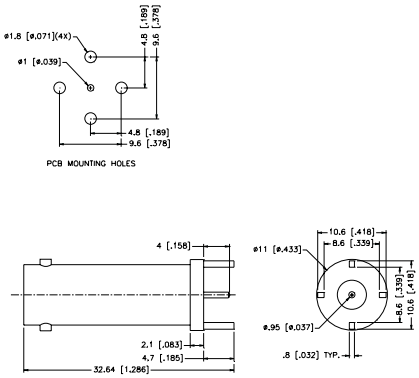
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251D1-NPB3G-50	N/A	Nickel	PBT Polyester	50	N/A
B6251D1-NPB3G-75	N/A	Nickel	PBT Polyester	75	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251C1-003-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6251C1-004-NT3G-50 Waterproof	N/A	Nickel	Teflon	50	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B625100-009-NT3G-50	N/A	Nickel	Teflon	50	N/A
B625100-009-NT3G-75	N/A	Nickel	Teflon	75	N/A

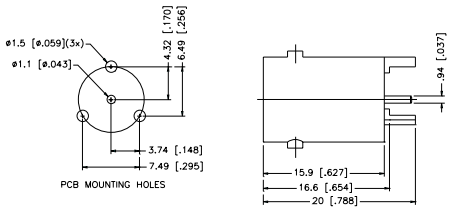


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

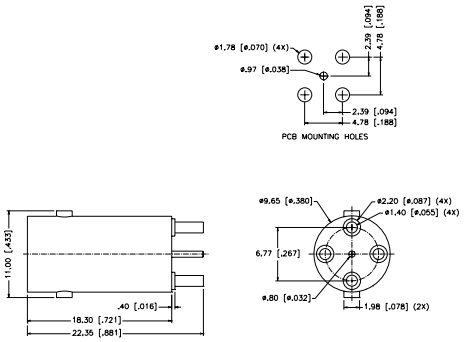
Straight P.C. Board Mount Jack - Three Legs

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251E1-NT3G-50	N/A	Nickel	Teflon	50	N/A

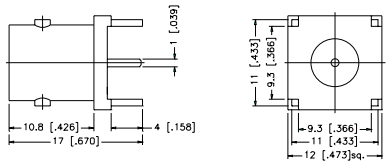


Straight P.C. Board Mount Jack - Four Legs

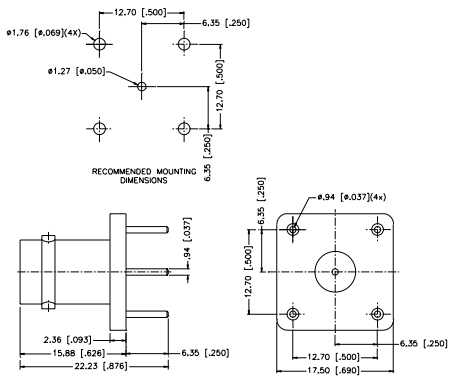
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251C1-005-NT30G-75T	N/A	Nickel	Teflon	75	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251F1-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6251F1-NT3G-75	N/A	Nickel	Teflon	75	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B625100-008-NT3G-50	N/A	Nickel	Teflon	50	N/A
B625100-005-NT3G-75	N/A	Nickel	Teflon	75	N/A



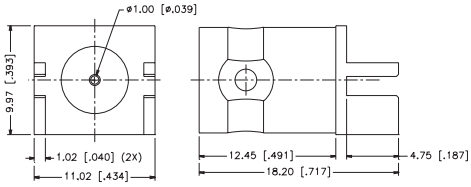
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

Straight P.C. Board Edge mount Jack - End Launch

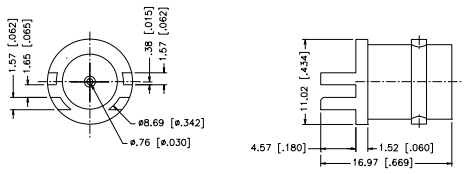
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251Q1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A
B6251Q1-001-NT3G-75	N/A	Nickel	Teflon	75	N/A
Square Flange					

B6251Q1-001-NT3G-50



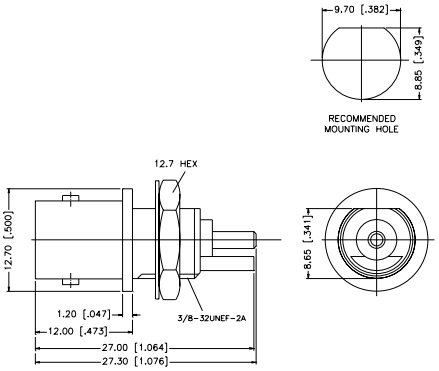
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B625100-006-NT3G-50	N/A	Nickel	Teflon	50	N/A
B625100-006-NT3G-75	N/A	Nickel	Teflon	75	N/A
Round Flange					

B625100-006-NT3G-50



Bulkhead Vertical P.C. Board Receptacle - End Launch

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6351B1-004-NT3G-50	N/A	Nickel	Teflon	50	N/A



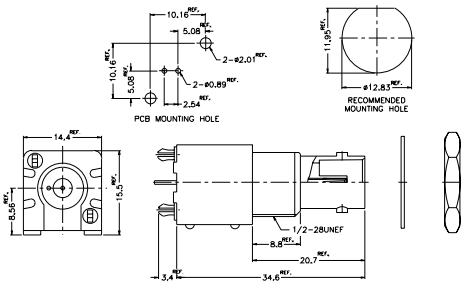
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

Commercial Straight P.C. Board Mount Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
White Housing					
B6251G1-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6251G1-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
Black Housing					
B6251G2-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6251G2-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A

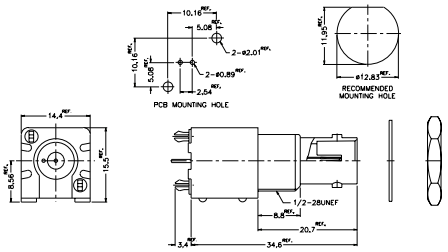
Remark: Add L to part number for Locking Legs



Commercial Straight P.C. Board Mount Jack - Metal Body

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Diecast					
B6251G3-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6251G3-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A

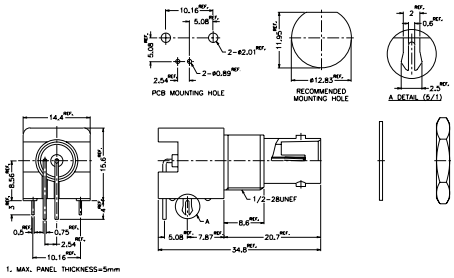
Note: Connectors are shipped with lock nut and washer



Commercial Right Angle P.C. Board Mount Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
High Profile, 15.88 [.625] White					
B6252H5-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252H5-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
High Profile, 15.88 [.625] Black					
B6252H6-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252H6-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
Low Profile, 13.1 [.516] White					
B6252H7-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252H7-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
Low Profile, 13.1 [.516] Black					
B6252H8-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252H8-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A

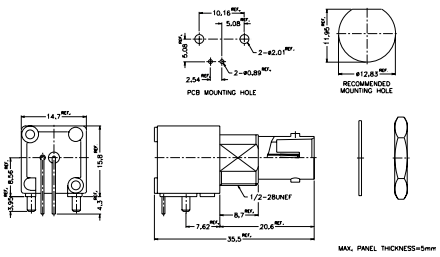
Remark: Add L to part number for Locking Legs
Note: Connectors are shipped with lock nut and washer



Commercial Right Angle P.C. Board Mount Jack - Metal Body

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Diecast					
High Profile, 15.88 [.625]					
B6252HA-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252HA-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
Low Profile, 13.1 [.516]					
B6252HB-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
B6252HB-NPP3G-75T	N/A	Nickel	Polypropylene	75	N/A
UL approved UL no. E161813					

Note: Connectors are shipped with lock nut and washer

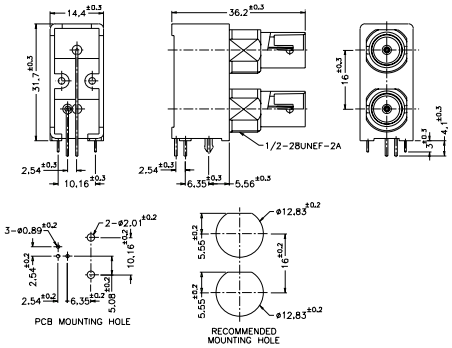


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Dual port PCB Mount Receptacle Hook

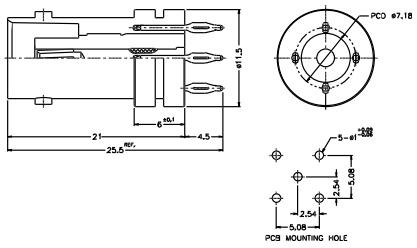
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B705000-NPB3G-75	N/A	Nickel	Polypropylene	75	N/A
B705001-NPB3G-75	N/A	Nickel	Polypropylene	75	N/A

Metal body



Press-Fit P.C Board Receptacle Jack

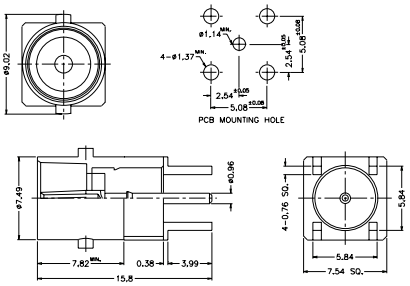
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6251PF-001-NT10G-50	N/A	Nickel	Teflon	50	N/A



Slimline BNC

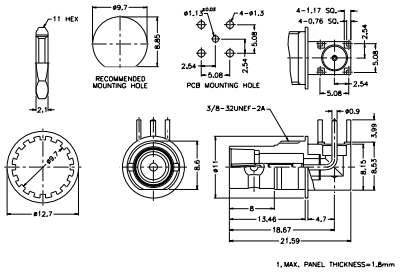
Straight P.C. Board Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNB6251A1-001-NT30G-75	N/A	Nickel	Teflon	75	N/A
MNB6251A1-001-3GT30G-75	N/A	Gold	Teflon	75	N/A



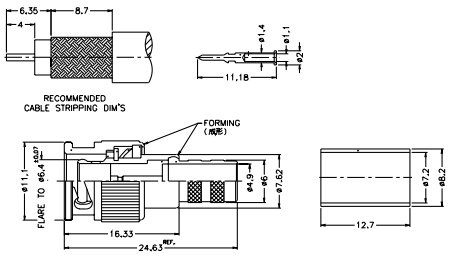
Right Angle P.C. Board Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNB6252A1-001-NT30G-75	N/A	Nickel	Teflon	75	N/A



Straight Crimp Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNB1121A1-001-NT30G-75	19	Nickel	Teflon	75	3
MNB1121A1-NT30G-8A-75	08A	Nickel	Teflon	75	7.06 Hex
MNB1121A1-NT30G-16-75	16	Nickel	Teflon	75	3
MNB1121A1-NT30G-16A-75	16A	Nickel	Teflon	75	3
MNB1121C1-NT30G-18-75	18	Nickel	Teflon	75	4
MNB1121E1-NT30G-6-75	06	Nickel	Teflon	75	7



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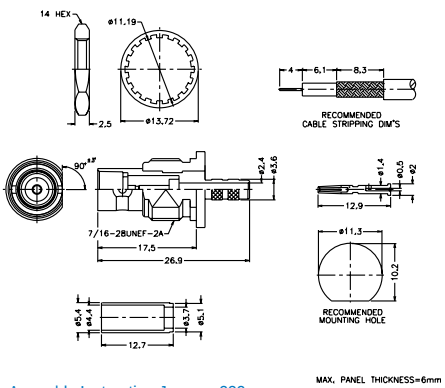
Bulkhead Crimp Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNB6721C1-001-NT30G-75	19	Nickel	Teflon	75	3



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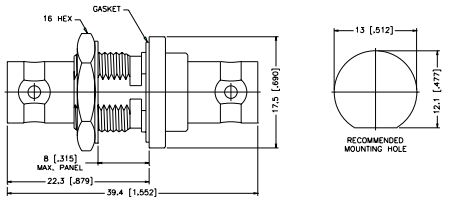
In-Series Bulkhead Feedthrough Adapters

Jack-to-Jack Bulkhead Adapter

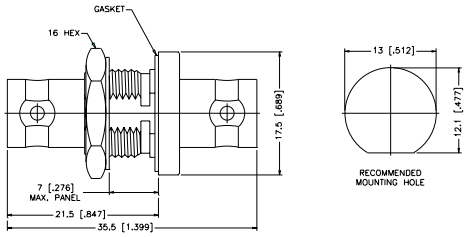
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7471A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7471A1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: 8.0 mm [.315] Max. panel thickness, M55339/13-00492



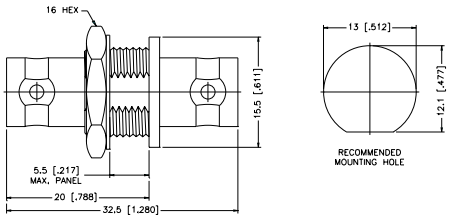
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7471A2-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7471A2-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: 7.0 mm [.276] Max. panel thickness, UG-492A



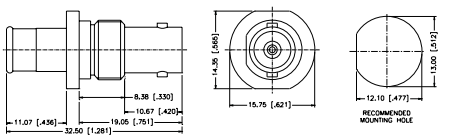
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7471B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7471B1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: Without gasket, 5.5 mm [.217] Max. panel thickness



Jack-to-Plug Bulkhead Adapter - Push-On

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B5071A1-NT3G-75	N/A	Nickel	Teflon	75	N/A



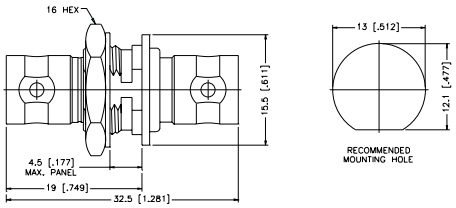
For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Bulkhead Isolated from Ground Adapters

Jack-to-Jack Bulkhead - Isolated Adapter

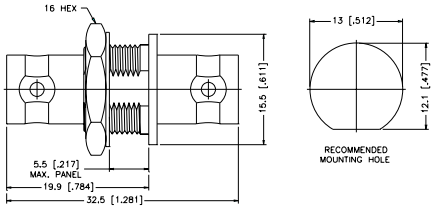
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7771B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7771B1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: With Isolated Bushing,
4.5 mm [.177] Max. panel thickness



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7771B3-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7771B3-ND3G-75	N/A	Nickel	Delrin	75	N/A

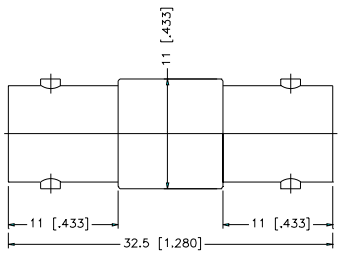
Remark: 5.5 mm [.217] Max. panel thickness



In-Series Adapters

Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B7071A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B7071A1-ND3G-75	N/A	Nickel	Delrin	75	N/A

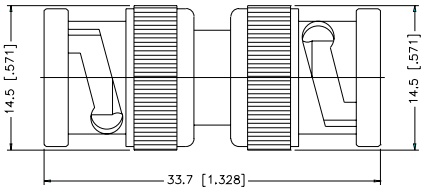


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

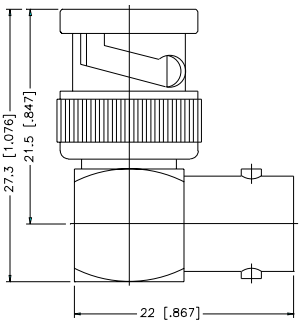
Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B2071A2-ND3G-50	N/A	Nickel	Delrin	50	N/A
B2071A2-ND3G-75	N/A	Nickel	Delrin	75	N/A
Diecast Shell					
B2071B2-002-ND3G-50	N/A	Nickel	Delrin	50	N/A
B2071B2-002-ND3G-75	N/A	Nickel	Delrin	75	N/A



Right Angle Adapter - Plug-to-Jack

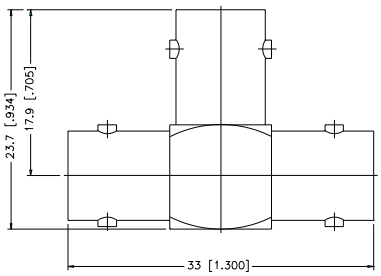
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Brass Shell					
B5072A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B5072A1-ND3G-75	N/A	Nickel	Delrin	75	N/A
Diecast Shell					
B5072B1-001-ND3G-50	N/A	Nickel	Delrin	50	N/A
B5072B1-001-ND3G-75	N/A	Nickel	Delrin	75	N/A



In-Series Tee Adapters

Tee Adapter - Jack-to-Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B8073A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B8073A1-ND3G-75	N/A	Nickel	Delrin	75	N/A

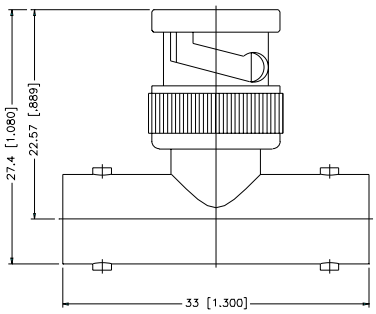


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Tee Adapters

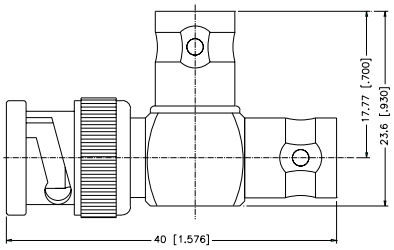
Tee Adapter - Jack-to-Plug-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B9073D1-ND3G-50	N/A	Nickel	Delrin	50	N/A
B9073D1-ND3G-75	N/A	Nickel	Delrin	75	N/A



Tee Adapter - Jack-to-Jack-to-Plug

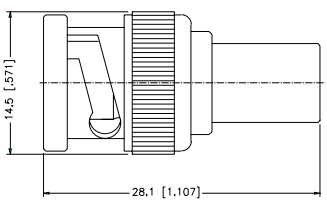
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7078-NDG	N/A	Nickel	Delrin	50	N/A
OS-7078-NT3G	N/A	Nickel	Teflon	50	N/A



Terminators

Terminator Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1004A1-ND3G-50R-0.05-0.5W	N/A	Nickel	Delrin	50	N/A
B1004A1-NT3G-50R-0.5W	N/A	Nickel	Teflon	50	N/A
B1004A1-ND3G-75R-0.05-1W	N/A	Nickel	Delrin	75	N/A
B1004A1-NT3G-75R-0.05-1W	N/A	Nickel	Teflon	75	N/A
B1004A1-ND3G-93R-0.05-1W	N/A	Nickel	Delrin	93	N/A
B1004A1-NT3G-93R-0.05-1W	N/A	Nickel	Teflon	93	N/A
B1004A3-NT3G-50R High Performance	N/A	Nickel	Teflon	50	N/A
B1004A3-NT3G-75R-0.01-0.5W High Performance	N/A	Nickel	Teflon	75	N/A

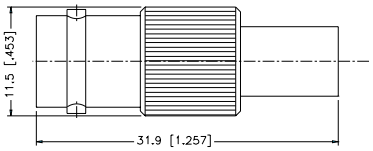


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Terminators

Terminator Jack

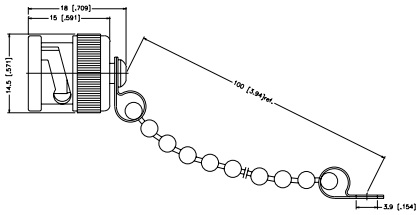
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B6004A1-NT3G-50R-0.05-1W	N/A	Nickel	Teflon	50	N/A
B6004A1-NT3G-75R-0.05-1W	N/A	Nickel	Teflon	75	N/A
B6004A1-001-ND3G	N/A	Nickel	Delrin	500	N/A



Accessories

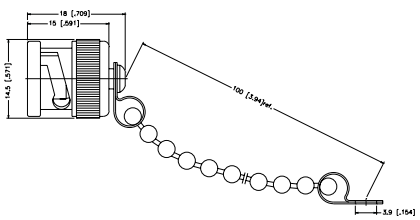
Male Cap & Chain

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1005A1-N With Chain Remark: Chain length 100 mm	N/A	Nickel	N/A	N/A	N/A
B1005A1-001-N No Chain	N/A	Nickel	N/A	N/A	N/A



Male Shorting Cap

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
B1007A1-NT3G No Chain	N/A	Nickel	Teflon	N/A	N/A
B1007A2-NT3G With Chain	N/A	Nickel	Teflon	N/A	N/A



For Reversed Polarized connectors contact local Amphenol Sales Branch.

The Amphenol TNC connectors are made to a high quality level. Medium size coaxial connectors with thread coupling. 50 ohm impedance for applications up to 11 GHz and 75 ohm impedance up to 1 GHz. Cable entries full crimp or clamp type with soldered or crimp center contact.

75 Ohm Series

Within the internationally standardized TNC mating face dimensions, a perfect 75 ohm characteristic impedance cannot be realized. However, at frequencies up to 1 GHz, the small impedance deviation is negligible for practical applications. A typical SWR of 1.15:1 at 1 GHz is achieved.

All 75 ohm TNC connectors and 50 ohm TNC connectors are intermateable.

Slimline TNC has the same specifications as the standard TNC. Through the new design, it is possible to have 40% more interconnects in the same area.

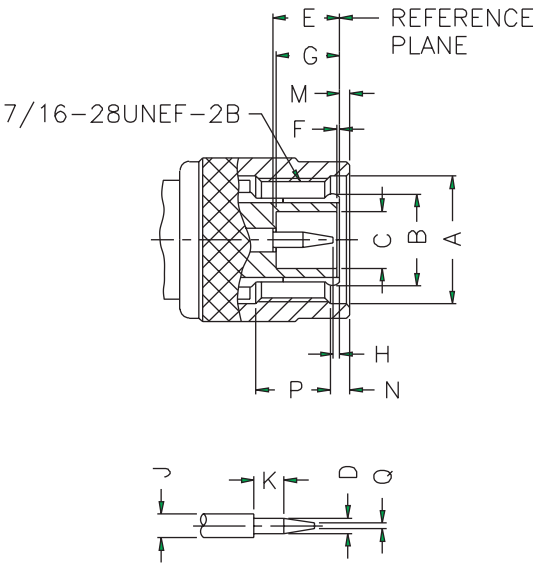
Electrical Specifications

Impedance	50 ohm	75 ohm
Frequency Range	0-11 GHz	0-1 GHz
Working Voltage	500 Volts rms.	500 Volts rms.
Dielectric Withstanding Voltage	1500 Volts rms.	1500 Volts rms.
VSWR	1.3 max. 0-11 GHz	1.05 + 0.1f (GHz) DC to 1 GHz
Contact Resistance	Center contact 1.5 milliohm Outer contact 0.2 milliohm	Center contact 1.5 milliohm Outer contact 0.2 milliohm
Insulation Resistance	5000 megohm (min)	5000 megohm (min)

Material Specifications

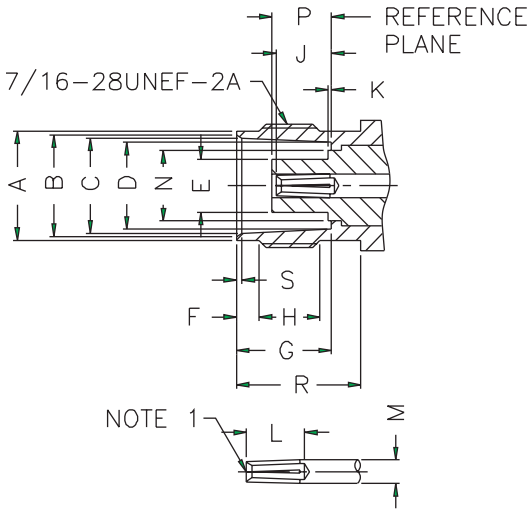
Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Phosphor Bronze (nominal) or Beryllium Copper	Gold or Silver plated
Metal parts		Brass	Nickel*
Insulators		Teflon, Delrin, PBT polyster	None
Clamp gaskets		Sillicone rubber, Synthetic rubber	None
Crimp ferrule		Annealed copper	Nickel*

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	11.18 [.440]	-
B	Flared to meet good electrical contact	
C	4.83 [.190]	-
D	1.32 [.052]	1.37 [.054]
E	5.33 [.210]	5.84 [.230]
F	0.15 [.006]	0.46 [.018]
G	5.28 [.208]	5.79 [.228]
H	0.08 [.003]	1.02 [.040]
J	2.06 [.081]	2.21 [.087]
K	1.98 [.078]	-
M	-	1.98 [.078]
N	1.60 [.063]	-
P	3.96 [.156]	-
Q	-	.064 [.025]

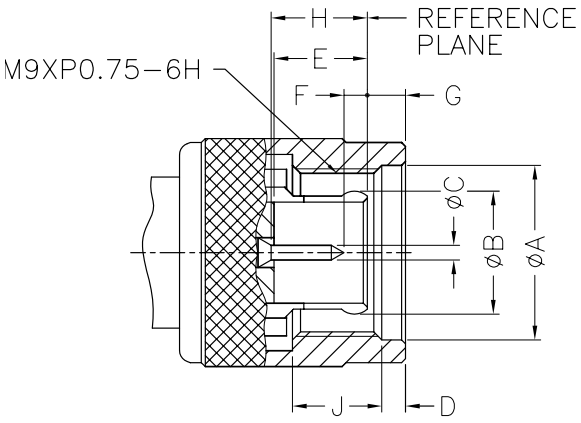


Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	9.60 [.378]	9.70 [.382]
B	8.79 [.346]	9.04 [.356]
C	8.31 [.327]	8.46 [.333]
D	8.10 [.319]	8.15 [.321]
E	-	4.72 [.186]
F	1.73 [.068]	2.24 [.088]
G	8.31[.327]	8.51 [.335]
H	4.75 [.187]	-
J	4.72 [.186]	5.23 [.206]
K	-	0.15 [.006]
L	4.95 [.195]	-
M	2.06 [.081]	2.21 [.087]
N	-	6.50 [.256]
P	4.78 [.188]	5.28 [.208]
R	10.52 [.414]	-
S	0.38 [.015]	0.76 [.030]

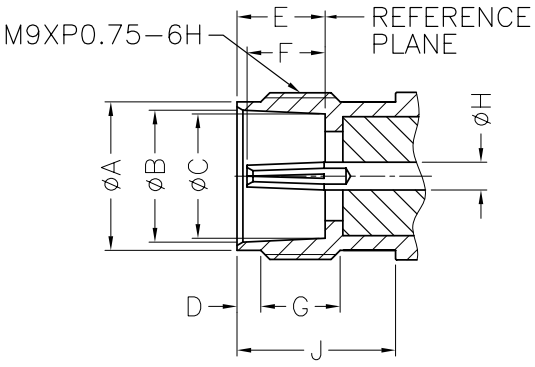
Note 1: I.D. to meet VSWR and contact resistance when mated with 1.32/1.37 mm dia. Pin.

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	9.00 [.354]	-
B	Flared to meet good electrical contact	
C	0.72 [.028]	0.76 [.030]
D	1.10 [.004]	-
E	4.55 [.179]	4.85 [.191]
F	1.00 [.004]	1.30 [.051]
G	-	2.30 [.091]
H	4.70 [.185]	5.00 [.197]
J	4.00 [.157]	-



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	7.44 [.293]	7.54 [.297]
B	6.55 [.262]	6.75 [.266]
C	6.22 [.245]	6.27 [.247]
D	1.10 [.004]	1.50 [.059]
E	4.35 [.171]	4.55 [.179]
F	4.00 [.157]	4.30 [.169]
G	3.60 [.142]	-
H	1.38 [.054]	1.42 [.056]
J	7.82 [.308]	-

Note 1 : I.D. to meet VSWR and contact resistance when mated with 0.72/0.76 mm dia. Pin.

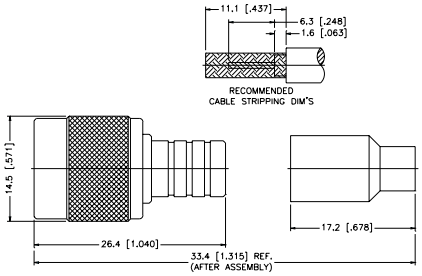
All connector bodies, unless otherwise noted, are nickel plated. Center contacts are 3µ" gold plated. Insulators are Delrin, unless otherwise noted.
Silver plating and Teflon insulators are available on virtually all TNC connectors. Please contact Amphenol for samples and quotes.
All dimensions in millimeters and [inches].

Plug Crimp Attachment for Flexible Cable

Straight Crimp plug - Single crimp - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1111K1-ND3G-1-50	01	Nickel	Delrin	50	5
T1111K1-ND3G-3-75	03	Nickel	Delrin	75	5

Remark: Only for solid center conductor cable



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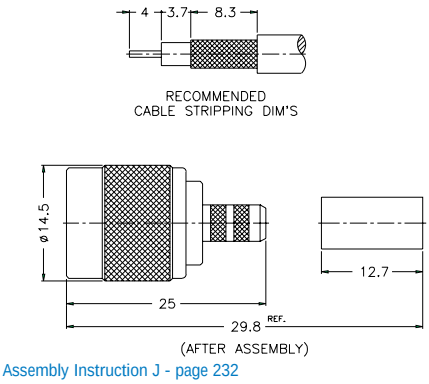
Straight Crimp Plug - Standard Cable

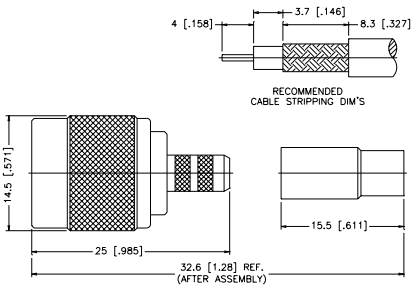
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1121A1-ND3G-1-50	01	Nickel	Delrin	50	3
T1121A1-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
T1121A1-ND3G-1B-50	01B	Nickel	Delrin	50	3 or 4
T1121AA-ND3G-3-50	03	Nickel	Delrin	50	4
T1121AA-ND3G-3-75	03	Nickel	Delrin	75	4
T1121A1-ND3G-3A-75	03A	Nickel	Delrin	75	4
T1121A6-NT3G-7-50	07	Nickel	Teflon	50	4 + 5
T1121A6-NT3G-7A-50	07A	Nickel	Teflon	50	4 + 6
T1121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
T1121A6-NT3G-7C-50	07C	Nickel	Teflon	50	6
T1121A1-ND3G-8-75	08	Nickel	Delrin	75	5
T1121A1-ND3G-15-75	15	Nickel	Delrin	75	5
T1121A1-019-NT3G-17-50	17	Nickel	Teflon	50	.610 hex



Assembly Instruction J - page 232

Straight Crimp Plug - Plenum Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1121C1-001-ND3G-2-50	02	Nickel	Delrin	50	3 or 4



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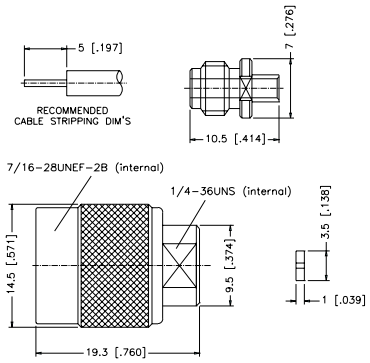
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1181B1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
T1181A1-001-N/NT30GA-10-50	10	Nickel/Gold	Teflon	50	N/A

T1181B1-N/3GT3G-11-50



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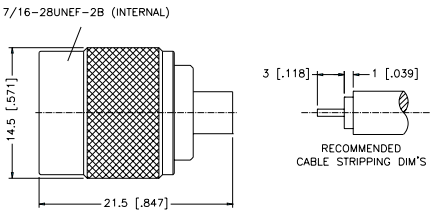
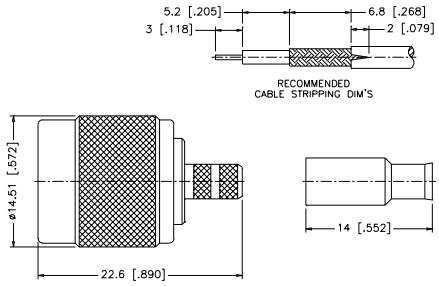
T1181A1-001-N/NT30GA-10-50



Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1121EA-002-ND3G-5-50	05	Nickel	Delrin	50	2
T1121G2-NT3G-5-50 High Frequency	05	Nickel	Teflon	50	1 or 2
T1121G1-ND3G-5A-50	05A	Nickel	Delrin	50	2
T1121E1-ND3G-6-75	06	Nickel	Delrin	75	3
T1121E2-ND3G-6A-75	06A	Nickel	Delrin	75	3

Remark: With Teflon sleeve, Hex. crimp size .178"



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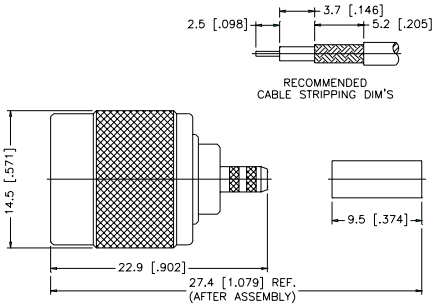
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Pin-In-Pin - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1121G1-ND3G-5-50	05	Nickel	Delrin	50	2
T1121G1-ND3G-6-75	06	Nickel	Delrin	75	1 or 2
T1121G1-ND3G-14-50	14	Nickel	Delrin	50	1

Remark: Hex. crimp size .128”



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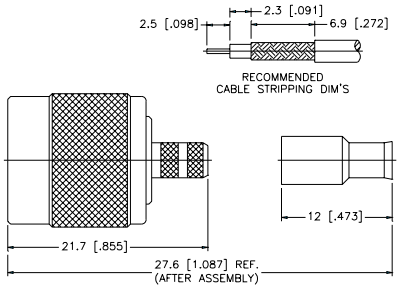
Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1121E9-NTPX3G-6-75	06	Nickel	TPX	75	3

Remark: TPX Insulator/75 ohm available only



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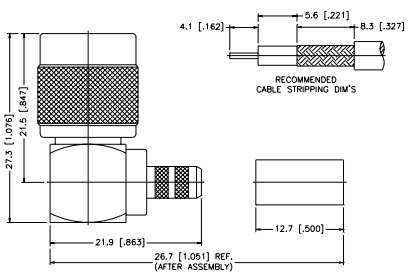
Right Angle Plug Crimp Attachment for Flexible Cable

Right Angle Crimp/Solder Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1112A1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
T1112A1-NT3G-1A-50	01A	Nickel	Teflon	50	3 or 4
T1112A1-ND3G-3-50	03	Nickel	Delrin	50	4
T1112A1-ND3G-3-75	03	Nickel	Delrin	75	4
T1112A1-ND3G-1B-50	01B	Nickel	Delrin	50	3 or 4

Remark: Cable center conductor solder to pin directly



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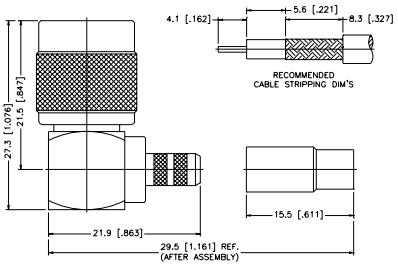
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Right Angle Plug Crimp Attachment for Flexible Cable

Right Angle Crimp/Solder Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1112A2-ND3G-5-50	05	Nickel	Delrin	50	9
T1112E1-NT3G-5A-50	05A	Nickel	Teflon	50	9
T1112E1-ND3G-6-75	06	Nickel	Delrin	75	9
T1112E1-ND3G-6A-75	06A	Nickel	Delrin	75	9

Remark: Cable Center Conductor Solder to pin directly, Hex. crimp size .178”



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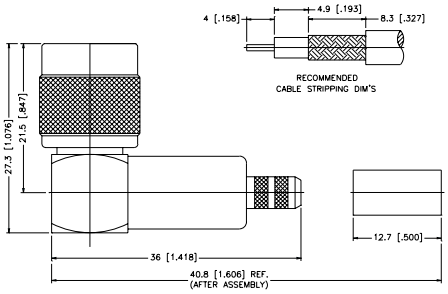
Right Angle Crimp/Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1122A1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
T1122A1-ND3G-3-50	03	Nickel	Delrin	50	4
T1122A1-ND3G-3-75	03	Nickel	Delrin	75	4
T1122A1-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4



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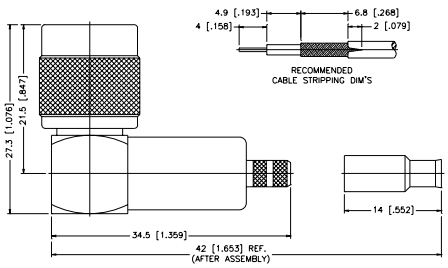
Right Angle Crimp/Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1122E1-ND3G-5-50	05	Nickel	Delrin	50	9
T1122E1-ND3G-6-75	06	Nickel	Delrin	75	9
T1122E1-ND3G-5A-50	05A	Nickel	Delrin	50	9

Remark: With teflon sleeve, Hex. crimp size .178”, Crimp/Crimp Type



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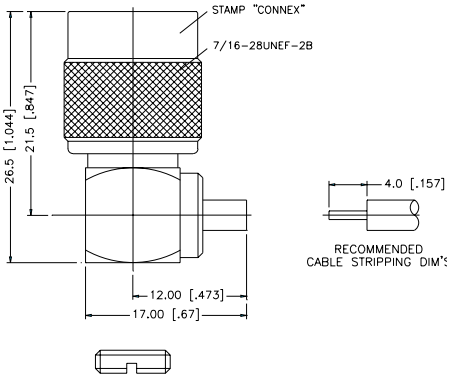
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Right Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1182A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
T1182A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A



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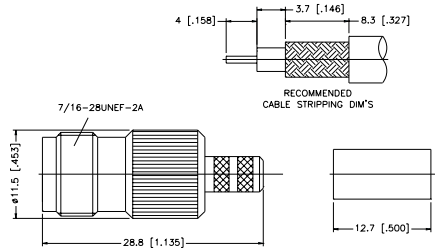
Jack Crimp Attachment for Flexible Cable

Straight Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6121A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
T6121A1-NT3G-3-50	03	Nickel	Teflon	50	4
T6121A1-NT3G-3-75	03	Nickel	Teflon	75	4
T6121A1-ND3G-1A-50	01A	Nickel	Delrin	50	3 or 4
T6121A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
T6121A6-NT3G-7C-50	07C	Nickel	Teflon	50	6
T6121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
T6121A1-NT3G-15-75	15	Nickel	Teflon	75	5
T6121A1-001-NT3G-17-50	17	Nickel	Teflon	50	.610 hex



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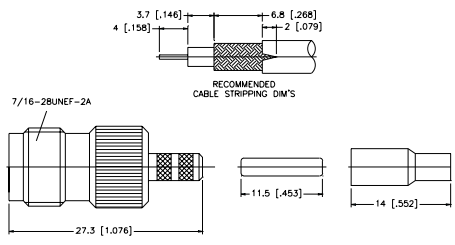
Straight Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6121E1-001-ND3G-5-50	05	Nickel	Delrin	50	3
T6121E1-ND3G-5A-50	05A	Nickel	Delrin	50	3
T6121E1-ND3G-6-75	06	Nickel	Delrin	75	3
T6121E1-ND3G-6A-75	06A	Nickel	Delrin	75	3

Remark: with Teflon sleeve, Hex. crimp .178"



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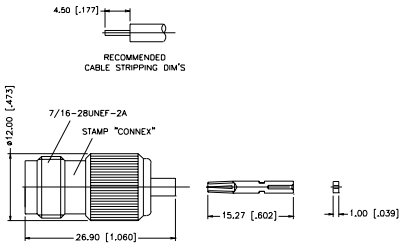
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6181A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
T6181A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A



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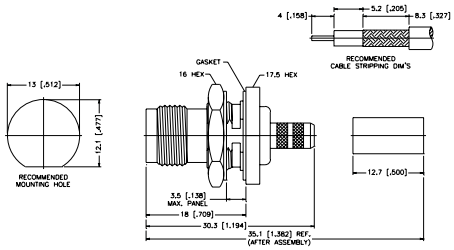
Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6421A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
T6421A1-NT3G-3-50	03	Nickel	Teflon	50	4
T6421A1-NT3G-3-75	03	Nickel	Teflon	75	4
T6421A1-NT3G-1A-50	01A	Nickel	Teflon	50	3 or 4
T6421A1-ND3G-1B-50	01B	Nickel	Delrin	50	3 or 4
T6421A6-NT3G-7C-50	07C	Nickel	Teflon	50	6
T6421A1-NT3G-8-75	08	Nickel	Teflon	75	5
T6421C2-NT3G-19-75	19	Nickel	Teflon	75	3

Remark: 3.5 [.138] Max. panel thickness



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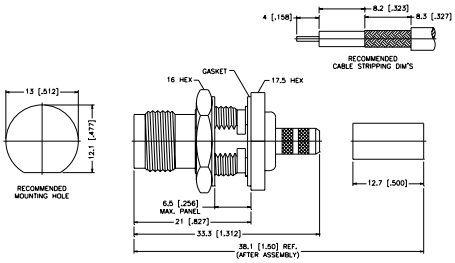
Bulkhead Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6421A2-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
T6421A2-NT3G-3-50	03	Nickel	Teflon	50	4
T6421A2-NT3G-3-75	03	Nickel	Teflon	75	4

Remark: 6.5 [.256] Max. panel thickness



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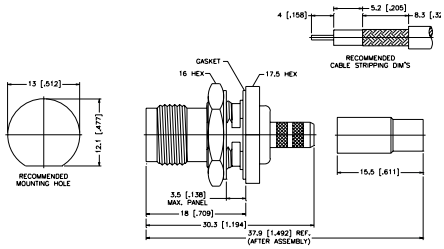
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Crimp Jack - Plenum Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6421C1-001-NT3G-2-50	02	Nickel	Teflon	50	3 or 4

Remark: 3.5 [.138] Max. panel thickness



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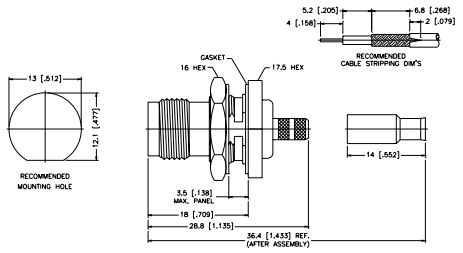
Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Crimp Jack - Miniature Cable - Rear mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6421E1-003-ND3G-5-50	05	Nickel	Delrin	50	9
T6421E2-NT3G-5-50 For 6.5 [.256] Panel	05	Nickel	Teflon	50	2
T6421E1-ND3G-5A-50	05A	Nickel	Delrin	50	2
T6421E1-ND3G-6-75	06	Nickel	Delrin	50	3
T6421E1-ND3G-6A-75	06A	Nickel	Delrin	50	3
T6421G1-ND3G-14-50	14	Nickel	Delrin	50	1 or 2
T6421G1-003-ND3G-14-50 For 6.5 [.256] Panel	14	Nickel	Delrin	50	1
T6421B1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
T6421B1-ND3G-16-75	16	Nickel	Teflon	50	3
T6421B1-ND3G-16A-75	16A	Nickel	Delrin	75	3

Remark: 3.5 [.138] Max. panel thickness.



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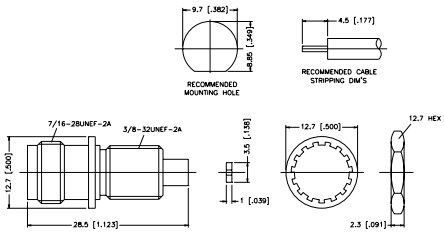
Bulkhead Solder Jack - Semi-Rigid Cable- Front Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6381A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A



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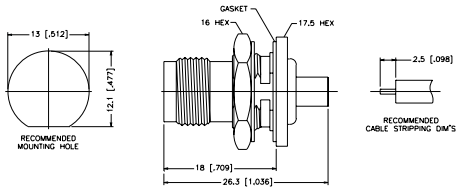
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Solder Jack - Semi-Rigid Cable - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6481A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A



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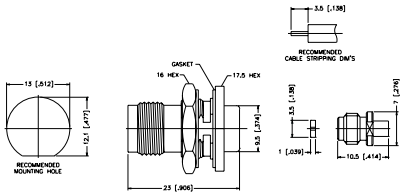
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6481A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A



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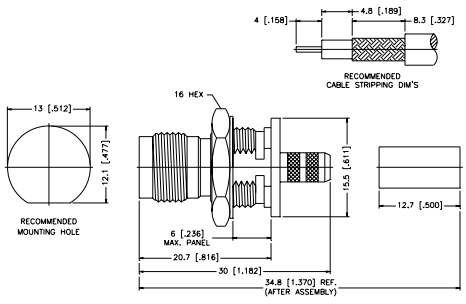
Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Isolated Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6721A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
T6721A1-NT3G-3-50	03	Nickel	Teflon	50	4
T6721A1-NT3G-3-75	03	Nickel	Teflon	75	4

Remark: 6.0 [.236] Max. panel thickness



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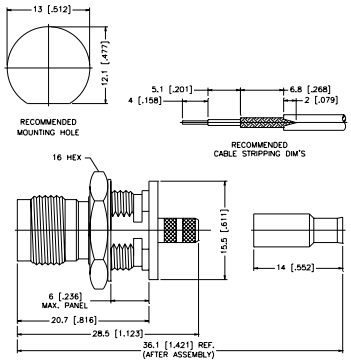
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Isolated Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6721E1-NT3G-5-50	05	Nickel	Teflon	50	3
T6721E1-NT3G-6-75	06	Nickel	Teflon	75	3

Remark: with Teflon sleeve, Hex. crimp size .178",
6.0 [.236] Max. panel thickness



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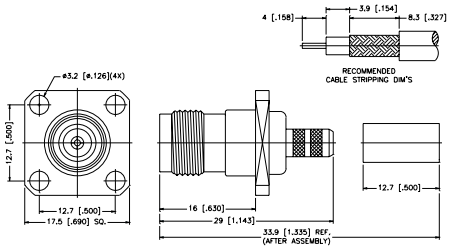
Panel Jack Crimp Attachment for Flexible Cable

Panel Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Teflon/Captured					
T6521A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
T6521A1-NT3G-3-50	03	Nickel	Teflon	50	4
T6521A1-NT3G-3-75	03	Nickel	Teflon	75	4
T6521A1-NT3G-1A-50	01A	Nickel	Teflon	50	3 or 4
Delrin/Noncaptured					
T6521A1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
T6521A1-ND3G-3-50	03	Nickel	Delrin	50	4
T6521A1-ND3G-3-75	03	Nickel	Delrin	75	4

Remark: 5.0 [.197] Max. panel thickness



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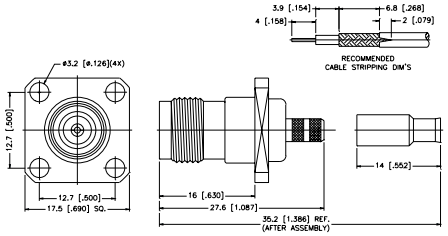
Panel Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6521E1-ND3G-5-50	05	Nickel	Delrin	50	2
T6521E1-ND3G-5A-50	05A	Nickel	Delrin	50	3
T6521E1-ND3G-6-75	06	Nickel	Delrin	75	3
T6521G1-NT3G-14-50	14	Nickel	Teflon	50	1
T6521A1-NT3G-16-75	16	Nickel	Teflon	75	9
T6521A1-NT3G-16A-75	16A	Nickel	Teflon	75	3

Remark: with Teflon sleeve, Hex. crimp size .178", 5.0 [.197] Max. panel thickness



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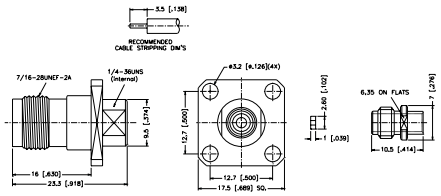
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Jack Crimp Attachment for Flexible Cable and Direct solder for Semi-Rigid Cable

Panel Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6581A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
T6581A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A



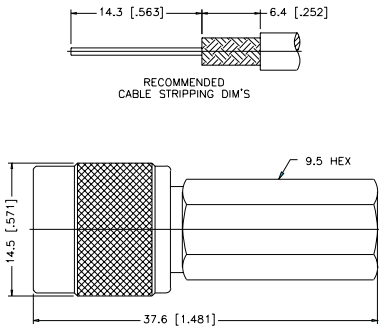
Assembly Instruction G - page 229

Twist-on Attachment for Flexible Cable

Twist-On Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1131A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1131A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1131A1-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: Only for solid center conductor cable



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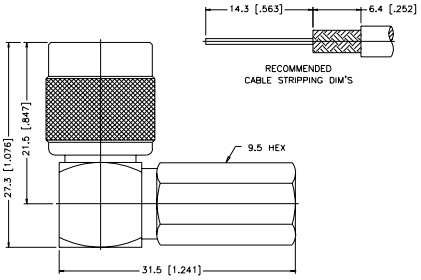
Right Angle Twist-On Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1132A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1132A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1132A1-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: Only for solid center conductor cable.



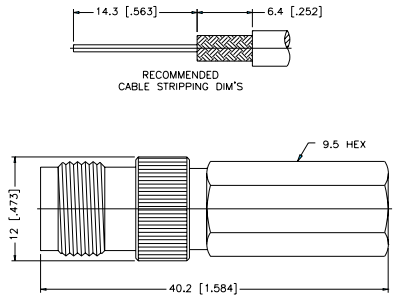
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Twist-on Attachment for Flexible Cable

Twist-On Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6131A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T6131A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T6131A1-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: Only for solid center conductor cable.



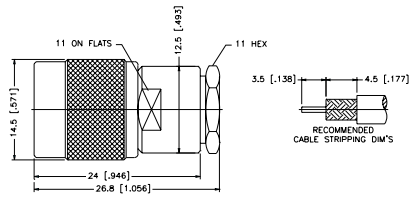
Assembly Instruction O - page 237

Clamp Attachment for Flexible Cable

Straight Clamp Plug - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1141A1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1141A1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1141A1-ND3G-3-75	03	Nickel	Delrin	75	N/A
T1141A2-001-NT3G-7A-50	07A	Nickel	Teflon	50	N/A
T1141A2-NT3G-7C-50	07C	Nickel	Teflon	50	N/A

Remark: Barrel O.D., 12.5 mm



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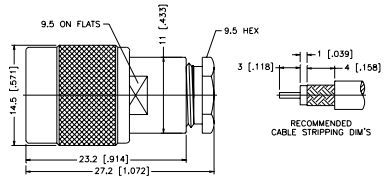
Straight Clamp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1141C1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1141C1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1141C1-ND3G-5-50	05	Nickel	Delrin	50	N/A



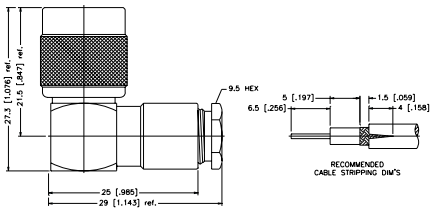
Assembly Instruction M - page 235

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Clamp Attachment for Flexible Cable

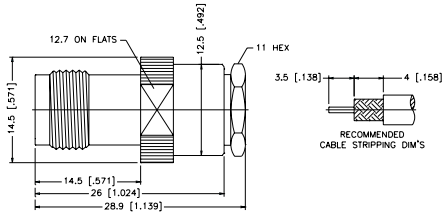
Right Angle Clamp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1142E1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1142E1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1142E1-ND3G-3-75	03	Nickel	Delrin	75	N/A



Straight Clamp Jack - Captive contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6141A1-NT3G-1-50	01	Nickel	Teflon	50	N/A
T6141A1-NT3G-3-50	03	Nickel	Teflon	50	N/A
T6141A1-NT3G-3-75	03	Nickel	Teflon	75	N/A
T6141A2-NT3G-7A-50	07A	Nickel	Teflon	50	N/A



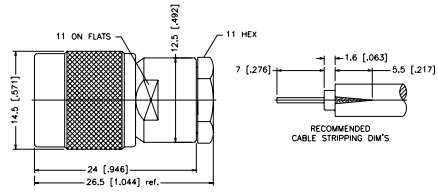
Assembly Instruction N - page 235

Wedge Compression Attachment for Flexible Cable

Wedge Compression Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1141G1-ND3G-1-50	01	Nickel	Delrin	50	N/A
T1141G1-ND3G-3-50	03	Nickel	Delrin	50	N/A
T1141G1-ND3G-3-75	03	Nickel	Delrin	75	N/A

Remark: With wedge pin



Assembly Instruction P - page 238

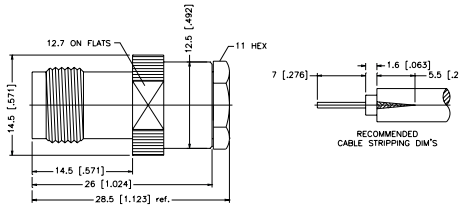
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Wedge Compression Attachment for Flexible Cable

Wedge Compression Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6141G1-NT3G-1-50	01	Nickel	Teflon	50	N/A
T6141G1-NT3G-3-50	03	Nickel	Teflon	50	N/A
T6141G1-NT3G-3-75	03	Nickel	Teflon	75	N/A

Remark: With wedge pin

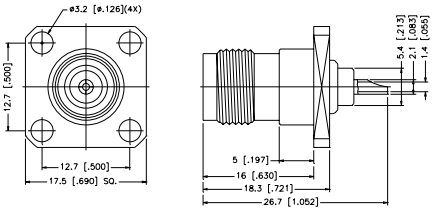


Assembly Instruction P - page 238

Panel Receptacle Jack

Panel Receptacle Jack

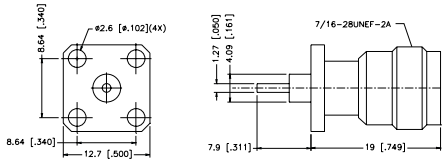
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6551A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
T6551A1-NT3G-75	N/A	Nickel	Teflon	75	N/A



Panel Receptacle Jack - Extended Teflon Post - 0.5" Flange

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6551F1-002-NT3G-50	N/A	Nickel	Teflon	50	N/A

Note: Contact Amphenol for other lengths availability

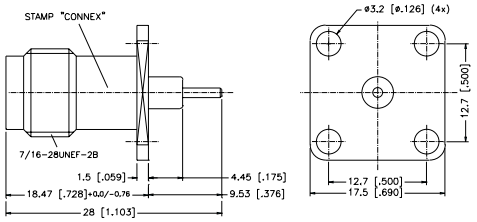


Panel Receptacle Jack

Panel Receptacle Jack - Extended Teflon Post

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6551C1-NT3G-50	N/A	Nickel	Teflon	50	N/A

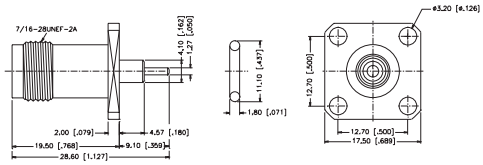
Note: Contact Amphenol for other lengths availability



Panel Receptacle Jack - Extended Teflon Post - Gasket Seal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6551E1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A

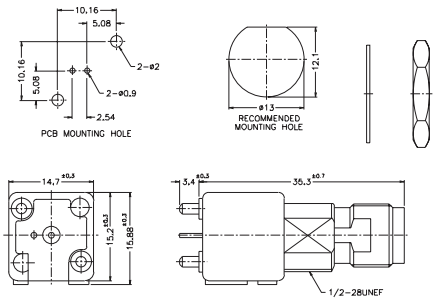
Note: Contact Amphenol for other lengths availability



Printed Circuit Board Connectors

Commercial Straight P.C. Board Mount Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6251G1-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
T6251G3-NPP3G-50 Diecast Body	N/A	Nickel	Polypropylene	50	N/A

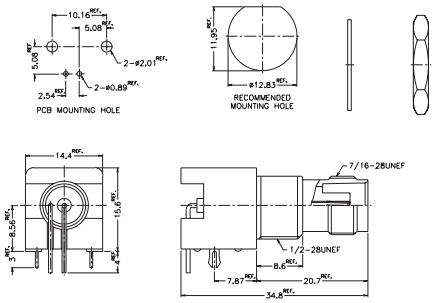


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

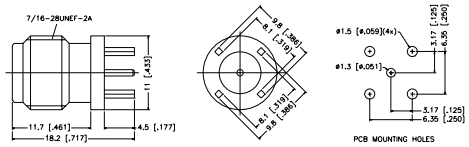
Commercial Right Angle P.C. Board Mount Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
High Profile, 15.88 mm White					
T6252H5-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
T6252H5-NPP3G-75T	N/A	Nickel	Polypropylene	50	N/A
High Profile, 15.88 mm Black					
T6252H6-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
T6252H6-NPP3G-75T	N/A	Nickel	Polypropylene	50	N/A
Low profile, 13.1 mm White					
T6252H7-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
T6252H7-NPP3G-75T	N/A	Nickel	Polypropylene	50	N/A
Low Profile, 13.1 mm Black					
T6252H8-NPP3G-50	N/A	Nickel	Polypropylene	50	N/A
T6252H8-NPP3G-75T	N/A	Nickel	Polypropylene	50	N/A



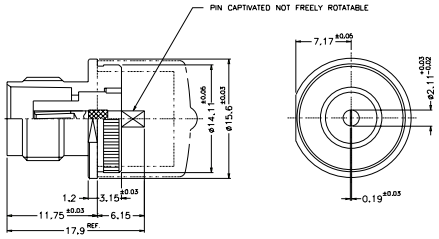
Straight P.C. Board Mount Receptacle Jack - Four Legs

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6251C1-NT3G-50	N/A	Nickel	Teflon	50	N/A
T6251C1-NT3G-75	N/A	Nickel	Teflon	75	N/A



Push Fit Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T605100-001-N/NT3G-50	N/A	Nickel	Teflon	50	N/A

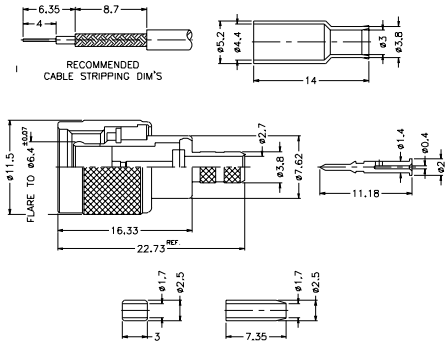


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Slimline TNC

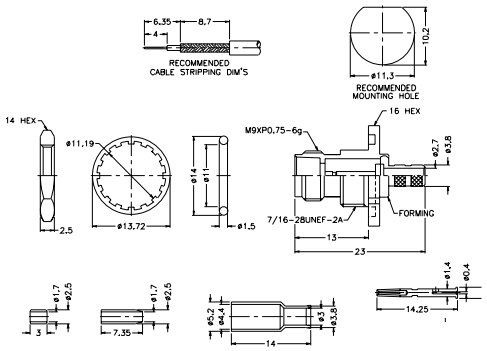
Straight Crimp Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNT1121E1-NT3G-6-75	06	Nickel	Teflon	75	3



Bulkhead Jack Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MNT6421E1-NT3G-6-75	06	Nickel	Teflon	75	3

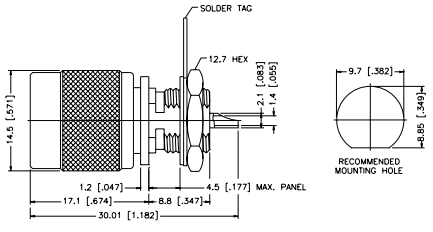


Bulkhead Receptacle/Solder Cup Terminal

Bulkhead Receptacle Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1351Q1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T1351Q1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: 4.5 [1.77] Max. panel thickness

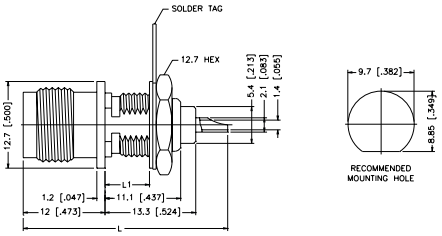


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Receptacle/Solder Cup Terminal

Bulkhead Receptacle Jack

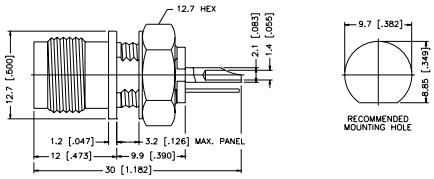
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
L=3.2 [.126] panel thickness, L=26.7 [1.05]					
T6351B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T6351B1-ND3G-75	N/A	Nickel	Delrin	75	N/A
L=6.5 [.256] panel thickness, L=30.0 [1.18]					
T6351B2-ND3G-50	N/A	Nickel	Delrin	50	N/A
T6351B2-ND3G-75	N/A	Nickel	Delrin	75	N/A
L1=9.5 [.374] panel thickness, L=33.0 [1.30]					
T6351B3-ND3G-50	N/A	Nickel	Delrin	50	N/A
T6351B3-ND3G-75	N/A	Nickel	Delrin	75	N/A



Bulkhead Receptacle Isolated Jack

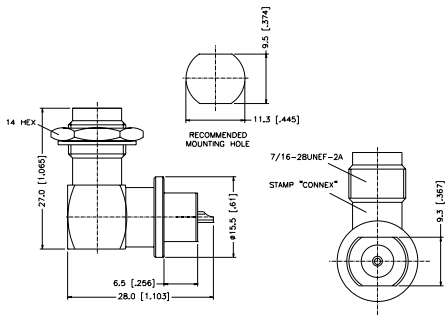
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T6651B1-NNYL3G-50	N/A	Nickel	Nylon	50	N/A
T6651B1-NNYL3G-75	N/A	Nickel	Nylon	75	N/A

Remark: Isolated from ground, 3.2 [.126] Max. panel thickness



Right Angle Bulkhead Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T635200-001-NT3G-50	N/A	Nickel	Teflon	50	N/A



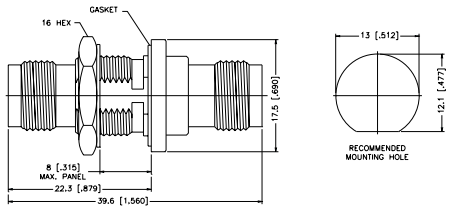
For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Bulkhead Feedthrough Adapters

Jack-to-Jack Bulkhead Adapter

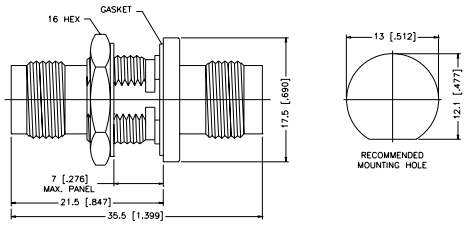
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T7471A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T7471A1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: 8.0 mm Max. panel thickness



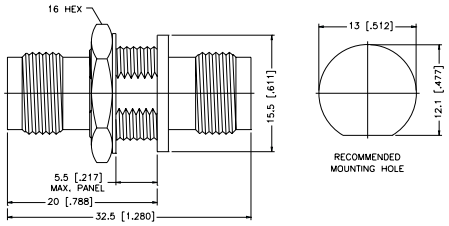
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T7471A2-ND3G-50	N/A	Nickel	Delrin	50	N/A
T7471A2-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: 7.0 mm Max. panel thickness



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T7471B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T7471B1-ND3G-75	N/A	Nickel	Delrin	75	N/A

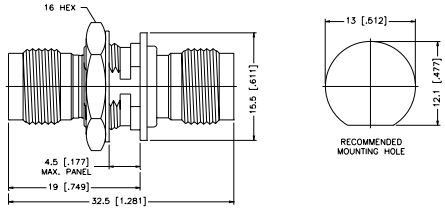
Remark: Without gasket, 5.5 mm Max. panel thickness



Jack-to-Jack Bulkhead - Isolated Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T7771B1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T7771B1-ND3G-75	N/A	Nickel	Delrin	75	N/A

Remark: With isolated bushing, 4.5 mm Max. panel thickness

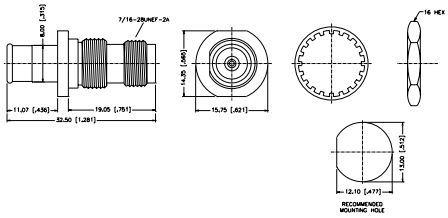


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Bulkhead Feedthrough Adapters

Jack-to-Plug Bulkhead Adapter - Push On

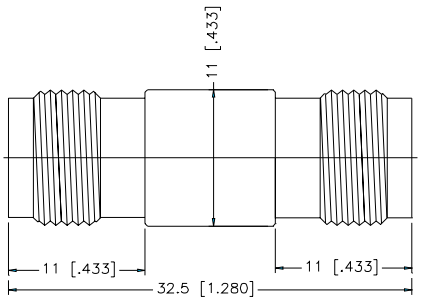
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T5071A1-001-NT3G-75	N/A	Nickel	Teflon	75	N/A



In-Series Adapters

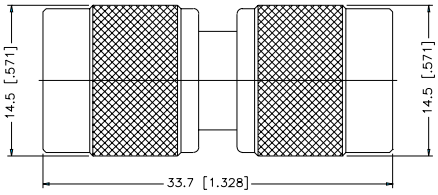
Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T7071A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T7071A1-ND3G-75	N/A	Nickel	Delrin	75	N/A



Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T2071A2-ND3G-50	N/A	Nickel	Delrin	50	N/A
T2071A2-ND3G-75	N/A	Nickel	Delrin	75	N/A

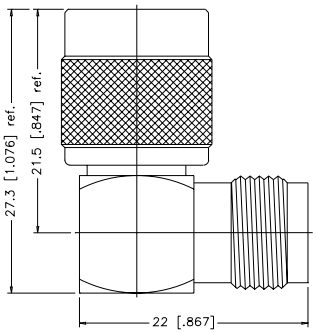


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

Right Angle Plug-to-Jack Adapter

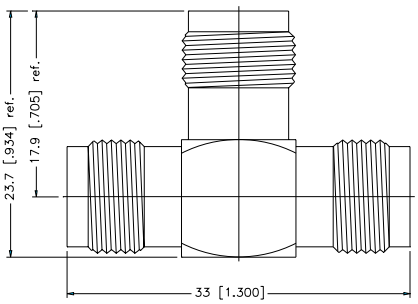
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T5072A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T5072A1-ND3G-75	N/A	Nickel	Delrin	75	N/A



In-Series Tee Adapters

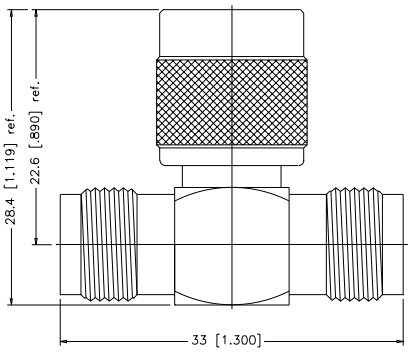
Tee Adapter - Jack-to-Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T8073A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T8073A1-ND3G-75	N/A	Nickel	Delrin	75	N/A



Tee Adapter - Jack-to-Plug-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T9073A1-ND3G-50	N/A	Nickel	Delrin	50	N/A
T9073A1-NT3G-75	N/A	Nickel	Teflon	75	N/A

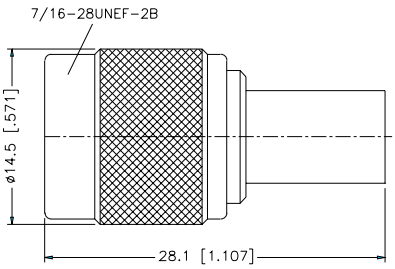


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Terminators

Terminator Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1004A1-NT3G-50R-1W	N/A	Nickel	Teflon	50	N/A
T1004A1-NT3G-75R-1W	N/A	Nickel	Teflon	75	N/A

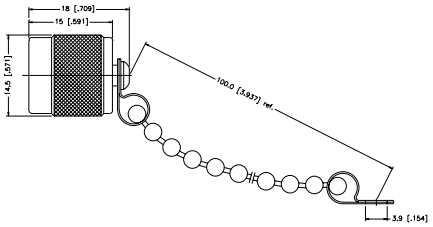


Accessories

Male Cap & Chain

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
T1005A1-N	N/A	Nickel	N/A	N/A	N/A

Remark: Chain length 100 mm



For Reversed Polarized connectors contact local Amphenol Sales Branch.

Note:

N Coaxial Connectors

The Amphenol N connectors with screw coupling are fully interchangeable with N connectors made to the MIL-C-39012 specification. Designed for use in all systems where very good R.F. and mechanical performance is critical, whether it be at low or high frequencies.

Plating for intermodulation problems

Intermodulation problems have long been a serious concern for the telecommunications market. The elimination of all nickel plating on N series connectors has gone a long way to solve this problem. Amphenol offers both silver-plated (no nickel undercoat on body or under 30 µ" gold center contact) and Nexcote-plated connectors. Nexcote is our trade name for the popular white bronze plating, and is fully compatible with all other commercial tri-alloy platings on the market.

Electrical Specifications

Impedance	50 ohm nominal
Frequency	0-11 GHz
Voltage Rating	1500 Volts peak
Dielectric Withstanding Voltage	2500 Volts rms
VSWR	1.3 max. 0-11 GHz
Contact Resistance	Center contact 1.0 milliohm
	Outer contact 0.2 milliohm
Insulation Resistance	5000 megohms (min)

Note: 75 ohm series connectors are not intermateable with the 50 ohm series.

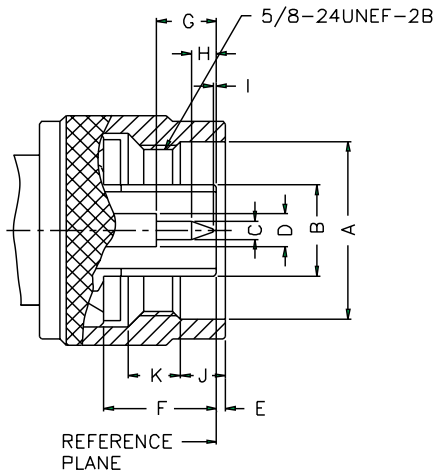
Material Specifications

Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Phosphor Bronze (nominal) or Beryllium Copper	Gold or Silver plated
Metal parts		Brass	Nickel*
Insulators		Teflon	None
Clamp gaskets		Sillicone rubber, Synthetic rubber	None
Crimp ferrules		Annealed copper	Nickel*

N Coaxial Connectors

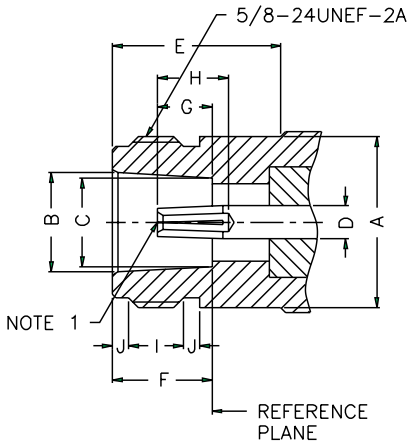
N Coaxial Connectors

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	16.00 [.630]	-
B	-	8.38[.330]
C	1.60 [.063]	1.68 [.066]
D	3.00 [.118]	3.15 [.124]
E	0.41 [.016]	1.52 [.060]
F	10.11 [.398]	10 46 [.412]
G	5.33 [.210]	5.84 [.230]
H	3.30 [.130]	4.32 [.170]
I	0.08 [.003]	-
J	4.01 [.158]	4.27 [.168]
K	4.50 [.177]	5.00 [.197]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	-	15.93 [.628]
B	8.53 [.336]	8.74 [.344]
C	8.03 [.316]	8.13 [.320]
D	3.00 [.118]	3.15 [.124]
E	10.72 [.422]	-
F	9.04 [.356]	9.19 [.362]
G	4.75 [.187]	5.26 [.207]
H	5.33 [.210]	-
I	4.37 [.172]	5.13 [.202]
J	1.19 [.047]	1.96 [.077]

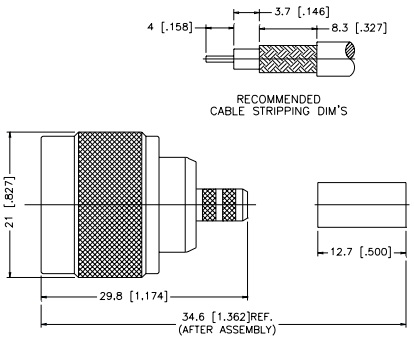
Note: 1. I.D. to meet VSWR and contact resistance when mated with 1.6/1.68 mm dia. Pin.

All connector bodies, unless otherwise noted, are nickel plated and all contacts are gold plated 3µ".
All insulators are Teflon.
Silver plating is available. Please contact Amphenol for samples and quotes.
All dimensions are in millimeters and [inches].

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1121A1-NT3G-1-50	01	Nickel	Teflon	50	4
N1121A1-NT3G-1A-50	01A	Nickel	Teflon	50	*
N1121A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N1121C1-NT3G-2-50	02	Nickel	Teflon	50	4
N1121A1-NT3G-3-50	03	Nickel	Teflon	50	4
N1121G1-NT3G-5-50	05	Nickel	Teflon	50	1
N1121G1-NT3G-5A-50	05A	Nickel	Teflon	50	1
N1121A1-NT3G-7-50	07	Nickel	Teflon	50	6
N1121A1-NT3G-7A-50	07A	Nickel	Teflon	50	6 + 4
N1121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
N1121A2-002-NT3G-7C-50	07C	Nickel	Teflon	50	6
N1121A2-NT3G-7D-50	07D	Nickel	Teflon	50	6
N1121A1-NT3G-8-50	08	Nickel	Teflon	50	5
N1121A4-003-NT3G-17-50	17	Nickel	Teflon	50	.610 hex
N1121A1-NT3G-1839-50	Gore 1839	Nickel	Teflon	50	5
N1121C5-NT3G-LMR500-50	Times LMR500	Nickel	Teflon	50	.610 hex



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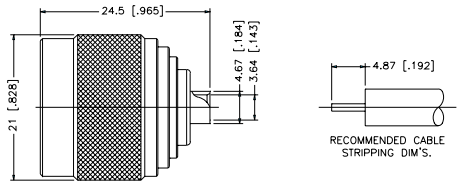
Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1181A1-3G/NT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
N1181B1-3G/NT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
N1181A2-3G/NT3G-12-50	12	Nickel/Gold	Teflon	50	N/A



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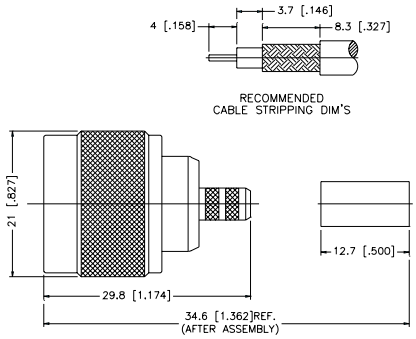
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Crimp Plug - Ethernet Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1121A1-NT3G-9880-50	9880	Nickel	Teflon	50	6
N1121A1-NT3G-89880-50	89880	Nickel	Teflon	50	6



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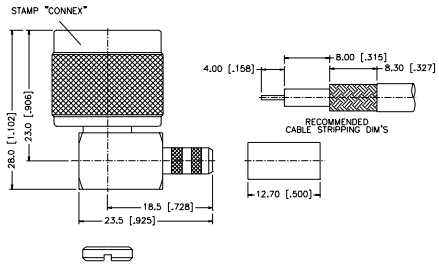
Right Angle Crimp Plugs - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1112B1-001-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
N1112B1-001-NT3G-1A-50	01A	Nickel	Teflon	50	3 or 4
N1112B1-NT3G-1B-50	01B	Nickel	Teflon	50	3 or 4
N1112A1-NT3G-3-50	03	Nickel	Teflon	50	4
N1112E2-NT3G-5-50	05	Nickel	Teflon	50	3
N1112E1-NT3G-5A-50	05A	Nickel	Teflon	50	1 or 2
N1112B2-002-NT3G-7-50	07	Nickel	Teflon	50	6
N1112B2-001-NT3G-7A-50	07A	Nickel	Teflon	50	6
N1112B2-NT3G-7B-50	07B	Nickel	Teflon	50	4
N1112B4-NT3G-17-50	17	Nickel	Teflon	50	.610 hex
N1112B4-NT3G-LMR500-50	LMR500	Nickel	Teflon	50	.600 hex



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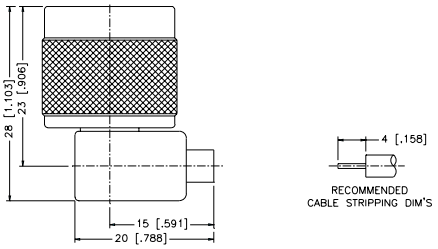
Right Angle Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1182A1-NT3G-10-50	10	Nickel	Teflon	50	N/A
N1182A1-NT3G-11-50	11	Nickel	Teflon	50	N/A
N1182A1-NT3G-12-50	12	Nickel	Teflon	50	N/A



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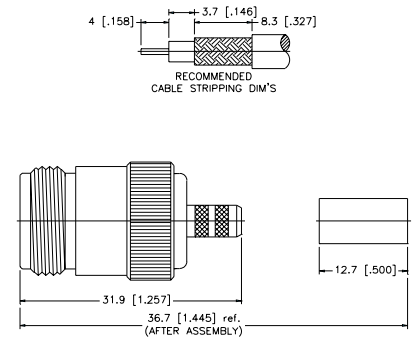
Crimp Jack - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6121A1-NT3G-1-50	01	Nickel	Teflon	50	4
N6121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N6121A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N6121A1-NT3G-3-50	03	Nickel	Teflon	50	4
N6121G1-NT3G-5-50	05	Nickel	Teflon	50	1
N6121G1-NT3G-5A-50	05A	Nickel	Teflon	50	2 + 1
N6121A1-NT3G-7-50	07	Nickel	Teflon	50	6
N6121A1-NT3G-7A-50	07A	Nickel	Teflon	50	6 + 4
N6121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
N6121A2-NT3G-7C-50	07C	Nickel	Teflon	50	6
N6121A4-001-NT3G-17-50	17	Nickel	Teflon	50	.610 hex
N6121C5-NT3G-LMR500-50	LMR500	Nickel	Teflon	50	.600 hex



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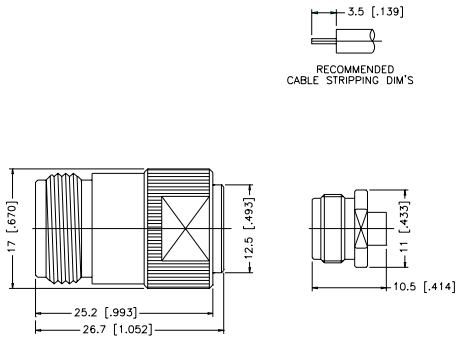
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6181A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
N6181A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A



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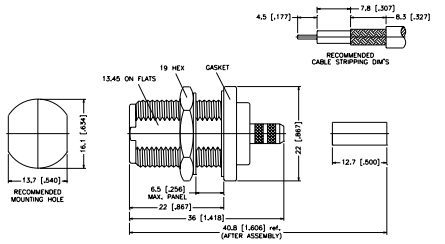
Bulkhead Crimp Jack - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6421A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
N6421A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N6421A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N6421C1-001-NT3G-2-50	02	Nickel	Teflon	50	4
N6421C1-001-NT3G-3-50	03	Nickel	Teflon	50	4
N6421G1-NT3G-5-50	05	Nickel	Teflon	50	1 or 2
N6311A1-NT3G-5-50 Front Mount	05	Nickel	Teflon	50	1
N6421G1-001-NT3G-5A-50	05A	Nickel	Teflon	50	2
N6421A1-NT3G-7-50	07	Nickel	Teflon	50	6 + 1
N6421A1-NT3G-7A-50	07A	Nickel	Teflon	50	6 + 1
N6421A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
N6421A2-NT3G-7C-50	07C	Nickel	Teflon	50	6
N6421A4-NT3G-17-50	17	Nickel	Teflon	50	.610 hex
N6421C5-NT3G-LMR500-50	LMR500	Nickel	Teflon	50	.600 hex

Remark: Rear Mount, except where indicated



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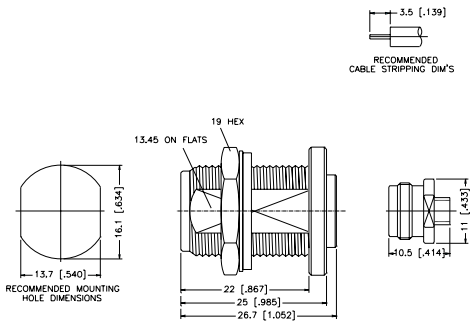
Bulkhead Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6481A2-001-NT3G-10-50	10	Nickel	Teflon	50	N/A
N6381A1-N/3GT3G-10-50 Front Mount	10	Nickel/Gold	Teflon	50	N/A
N6481A2-NT3G-11-50	11	Nickel	Teflon	50	N/A
N6381A1-N/3GT3G-11-50 Front Mount	11	Nickel/Gold	Teflon	50	N/A
N6481A2-NT3G-12-50	12	Nickel	Teflon	50	N/A

Remark: Rear Mount, except where indicated



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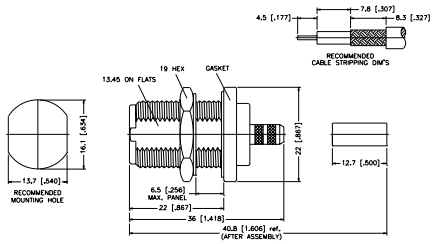
Bulkhead Crimp Jack - Ethernet Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6421A1-NT3G-9880-50	9880	Nickel	Teflon	50	6
N6421A1-NT3G-89880-50	89880	Nickel	Teflon	50	6



Crimp On

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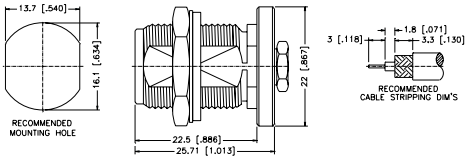
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Clamp Jack - Rear Mount - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6441H1-001-NT30G-5-50 Rear Mount Flatwasher	05	Nickel	Teflon	50	N/A
N6441H1-002-NT30G-5-50 Rear Mount Starwasher	05	Nickel	Teflon	50	N/A



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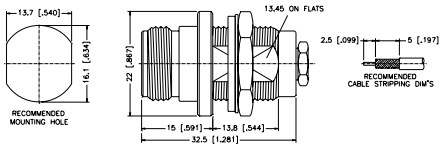
Bulkhead Clamp Jack - Front Mount - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6341A1-001-NT3G-5-50	05	Nickel	Teflon	50	N/A



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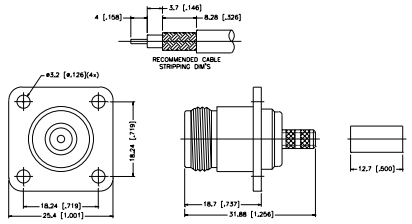
Straight Crimp Panel Jack - Captive Contact - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6521A1-NT3G-1-50	01	Nickel	Teflon	50	4
N6521A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N6521A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N6521G1-NT3G-5-50	05	Nickel	Teflon	50	1 or 2
N6521G1-NT3G-5A-50	05A	Nickel	Teflon	50	2
N6521A1-NT3G-7-50	07	Nickel	Teflon	50	4
N6521A1-NT3G-7A-50	07A	Nickel	Teflon	50	6



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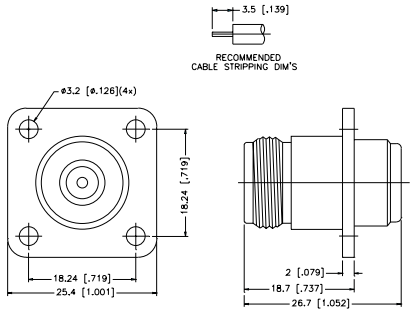
Straight Solder Panel Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6581A1-NT3G-10-50	10	Nickel	Teflon	50	N/A
N6581A1-NT3G-11-50	11	Nickel	Teflon	50	N/A



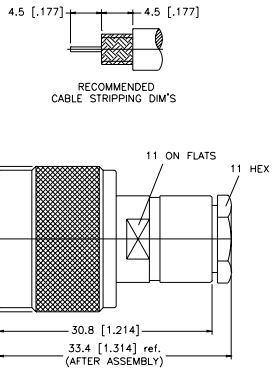
Assembly Instruction E - page 227

For Reversed Polarized connectors contact local Amphenol Sales Branch.

Clamp Attachment for Flexible Cable

Straight Solder Plug - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1141A1-NT3G-1-50	01	Nickel	Teflon	50	N/A
N1141A1-NT3G-3-50	03	Nickel	Teflon	50	N/A



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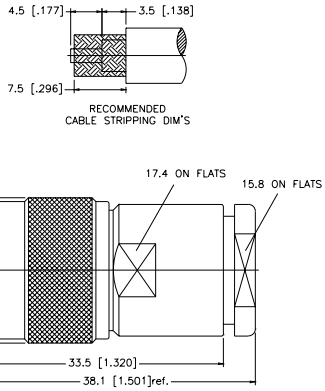
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1141A2-NT3G-7-50	07	Nickel	Teflon	50	N/A



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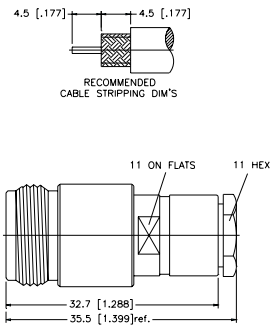
Straight Solder Jack - Captive Contact - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6141A1-NT3G-1-50	01	Nickel	Teflon	50	N/A
N6141A1-NT3G-3-50	03	Nickel	Teflon	50	N/A



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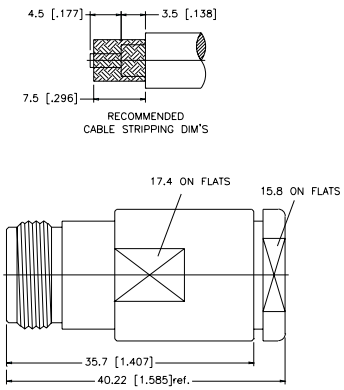
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6141A2-NT3G-7-50	07	Nickel	Teflon	50	N/A



Assembly Instruction M - page 235

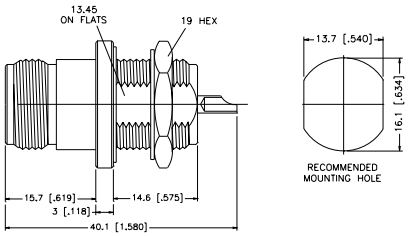
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Bulkhead Mount Solder Receptacles

Bulkhead Receptacle - Front Mount

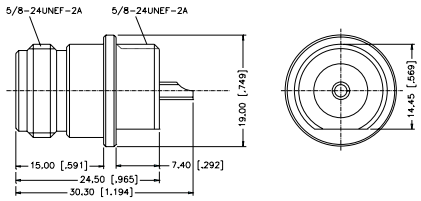
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6351A1-NT3G-50	N/A	Nickel	Teflon	50	N/A

Remark: Non-hermetic



Bulkhead Receptacle - Front Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6351B1-005-NT3G-50	N/A	Nickel	Teflon	50	N/A



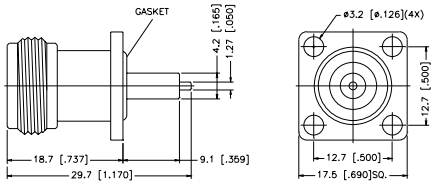
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Mount/Solder Receptacles

Panel Receptacle Jack - Exposed TFE Type

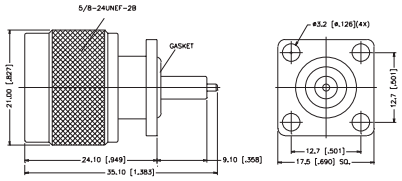
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551E1-NT3G-50	N/A	Nickel	Teflon	50	N/A
N6551E1-015-NT20G-50	N/A	Nickel	Teflon	50	N/A

Remark: With gasket.
Extended Teflon insulation available in various lengths.
Contact Amphenol for part number and availability.



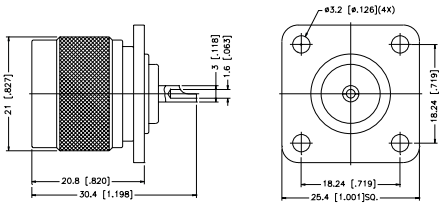
Panel Receptacle Plug - Exposed TFE Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1551E1-NT3G-50	N/A	Nickel	Teflon	50	N/A



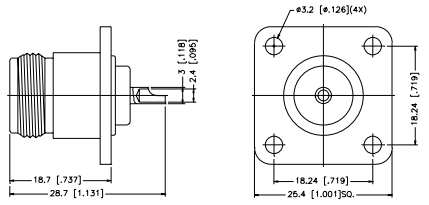
Panel Receptacle Plug - Solder Cup Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1551A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Panel Receptacle Jack - Solder Cup terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
N6551A1-017-NT3G-50 Captive Center Contact	N/A	Nickel	Teflon	50	N/A
N6551A1-015-NT3G-50 Flush Rear	N/A	Nickel	Teflon	50	N/A

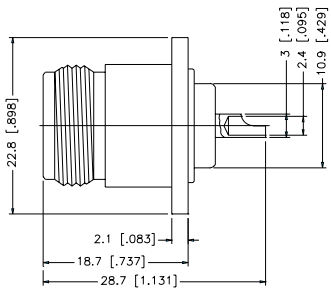


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Mount/Solder Receptacles

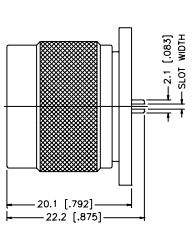
Panel Receptacle Jack - Solder Cup Terminal - Round Flange

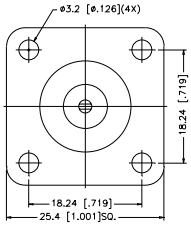
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-013-NT3G-50	N/A	Nickel	Teflon	50	N/A



Panel Receptacle Plug - Slot Terminal

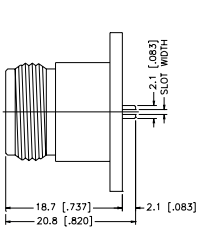
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1551C1-NT3G-0.3-50 Slot width: 0.3 mm, 0.5 mm, 0.7 mm, 0.9 mm	N/A	Nickel	Teflon	50	N/A
N1551M1-001-NT3G-50 Flat Tab	N/A	Nickel	Teflon	50	N/A

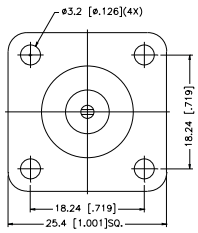




Panel Receptacle Jack - Slot Terminal

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551C1-NT3G-0.3-50 Slot width: 0.3 mm, 0.5 mm, 0.7 mm, 0.9 mm	N/A	Nickel	Teflon	50	N/A
N6551E3-001-NT3G-50 2-Hole Flange Blunt Post	N/A	Nickel	Teflon	50	N/A
N6551C1-002-NT3G-50 .5 Flange Slotted Post	N/A	Nickel	Teflon	50	N/A
N6551C1-003-NT3G-50 .118 Diameter Contact Slotted Post	N/A	Nickel	Teflon	50	N/A
N6551C2-001-NT3G-50 .690 Flange Slotted Post	N/A	Nickel	Teflon	50	N/A

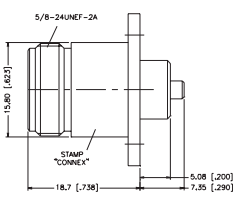


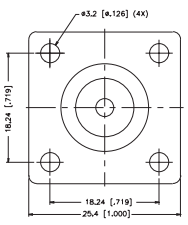


Panel Receptacle Jack - Extended Teflon

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-004-NT3G	N/A	Nickel	Teflon	50	N/A

Remark: Contact Amphenol for various lengths availability





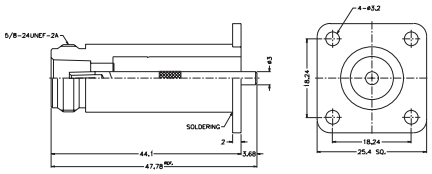
For Reversed Polarized connectors contact local Amphenol Sales Branch.

Panel Mount/Solder Receptacles

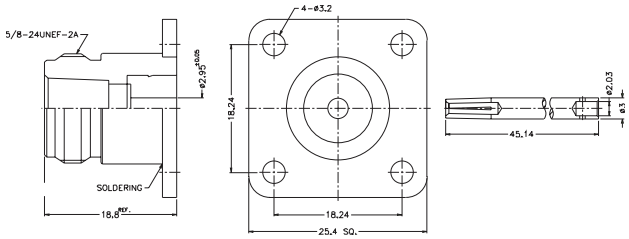
Panel Receptacle Jack - Extended Body

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-012-NT3G-50 Blunt Post	N/A	Nickel	Teflon	50	N/A
N6551A1-019-NT3G-50 Extended Teflon	N/A	Nickel	Teflon	50	N/A

N6551A1-012-NT3G-50

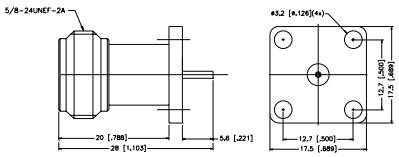


N6551A1-019-NT3G-50



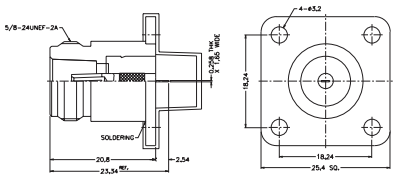
Panel Receptacle Jack - Extended body - Post Contact

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551E1-020-NT3G-50	N/A	Nickel	Teflon	50	N/A



Panel receptacle Jack - Tab Post

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551M1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A

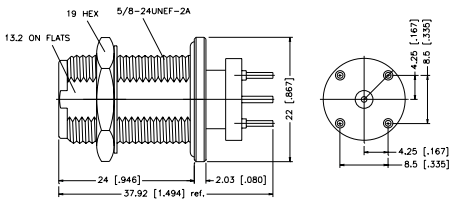


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Printed Circuit Board Connectors

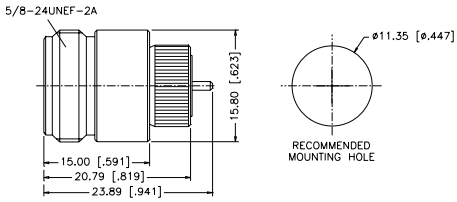
Straight P.C. Board Receptacle - Four Legs

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N645100-003-T/NT3G-50 PCB Legs, Bright Tin	N/A	Nickel	Teflon	50	N/A



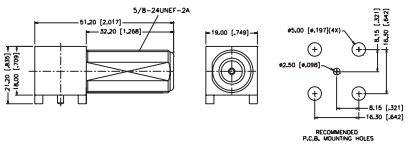
Push Fit Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6051A1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A



Right Angle P.C. Board Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N625200-001-TT30G-50	N/A	Tin Lead	Teflon	50	N/A

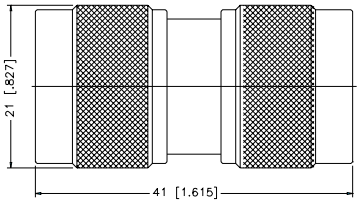


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Adapters

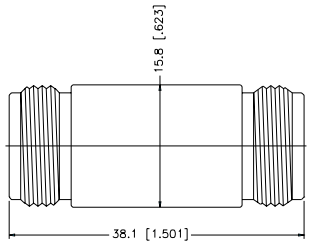
Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N2071A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
NM-RNM-NT3G-50 N Plug Reverse Polarized to N Jack	N/A	Nickel	Teflon	50	N/A
NF-RNF-NT3G-50 N Jack Reverse Polarized to N Plug	N/A	Nickel	Teflon	50	N/A



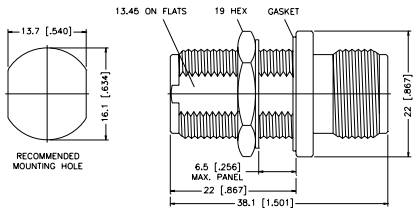
Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N7071A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Jack-to-Jack Bulkhead Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N7471A1-NT3G-50	N/A	Nickel	Teflon	50	N/A

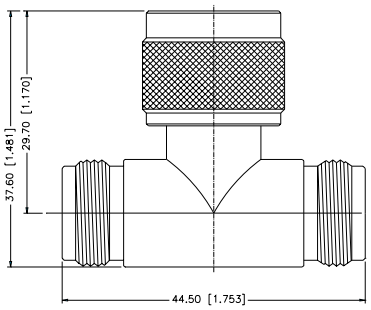


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Tee Adapters

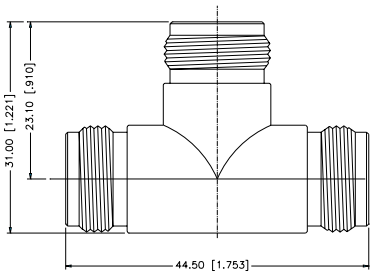
Tee Adapter - Jack-to-Plug-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N9073A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



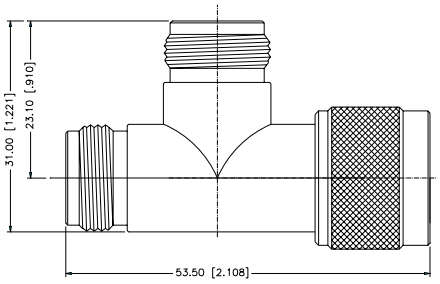
Tee Adapter - Jack-to-Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N8073A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Tee Adapter - Plug-to-Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N9073A1-001-NT3G-50	N/A	Nickel	Teflon	50	N/A

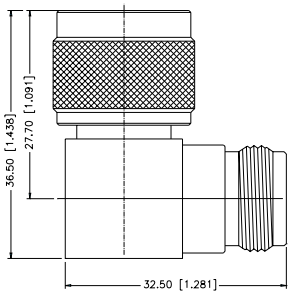


For Reversed Polarized connectors contact local Amphenol Sales Branch.

In-Series Angle Adapters

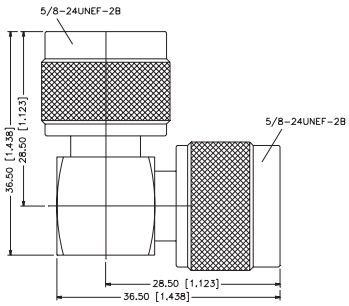
Angle Adapter - Plug-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N5072A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
N5072A2-NT3G-50 High Performance	N/A	Nickel	Teflon	50	N/A



Angle Adapter - Plug-to-Plug

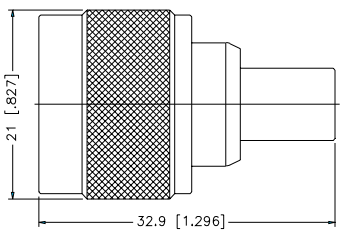
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N2072A1-NT3G-50	N/A	Nickel	Teflon	50	N/A



Terminators

Terminator Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1004A1-NT3G-50R-1W	N/A	Nickel	Teflon	50	N/A
N1004A2-NT3G-50R-0.01-1W High Frequency	N/A	Nickel	Teflon	50	N/A

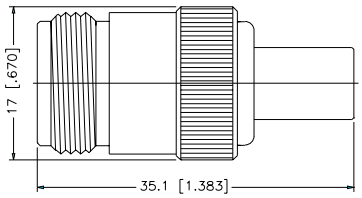


For Reversed Polarized connectors contact local Amphenol Sales Branch.

Terminators

Terminator Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6004A1-NT3G-50R-0.05-1W	N/A	Nickel	Teflon	50	N/A

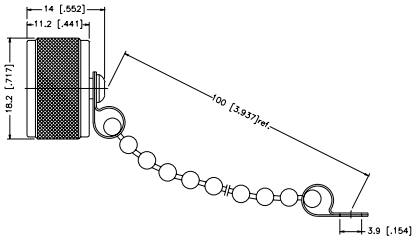


Accessories

Male Cap & Chain

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1005A1-N	N/A	Nickel	N/A	N/A	N/A

Remark: Chain length 100 [3.94]



For Reversed Polarized connectors contact local Amphenol Sales Branch.

Amphenol 7/16 series connectors provide superior performance for both return loss and intermodulation distortion. These connectors are ideal for those applications where vibration resistance and environmental protection is important, such as radio base stations and broadcast communication applications.

Connectors are 50 ohm impedance with standard M 29 x 1.5 metric threaded coupling. Designed to conform to the DIN standards, featuring excellent power-handling capability and low VSWR up to 7.5 GHz.

Electrical Specifications

Impedance	50 ohm
Frequency range	0-7,5 GHz
Working Voltage	2700 VRMS maximum at sea level
Dielectric Withstanding Voltage	4000 VRSM minimum at sea level
VSWR	Straight: 1.3 maximum Right Angel: 1.5 maximum
Contact resistance	Center Contact: 0.4 milliohms maximum Outer Contact: 0.2 milliohms maximum
Insulation resistance	5000 Megohms minimum

Material Specifications

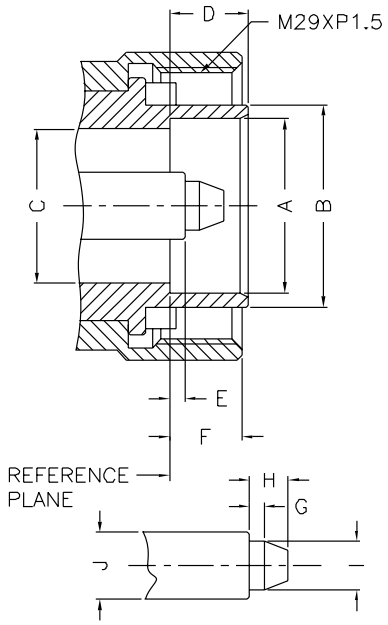
Parts Name		Material	Finish
Body metal parts		Brass per QQ-B-626	Silver
Contacts	Male	Brass per QQ-B-626	Silver
	Female	Beryllium copper per QQ-C-530	Silver
Insulator		PTFE	None
Gasket		Silicone rubber	None
Crimp ferrule		Annealed copper	Silver

Note: Other materials/finishes are available on request.

Mechanical Specifications

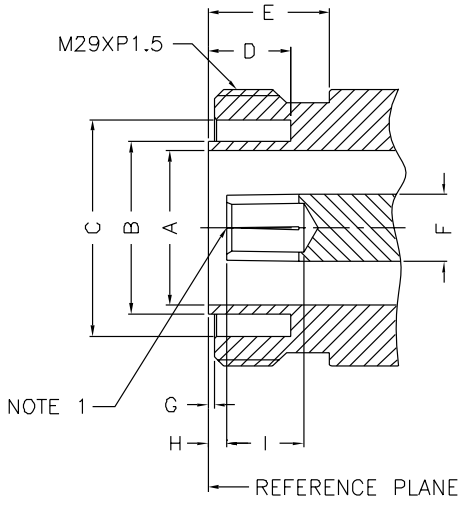
Coupling nut retention	225 lbs. maximum
Coupling proof torque	310 in-lbs. maximum
Contact retention	45 lbs. minimum
Durability (mating)	500 cyles minimum (for beryllium copper female contact only)

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	18.03 [.710]	18.21 [.717]
B	20.60 [.812]	21.40 [.843]
C	15.85 [.624]	16.25 [.640]
D	7.00 [.276]	8.00 [.315]
E	1.47 [.085]	1.77 [.070]
F	7.00 [.276]	9.00 [.355]
G	1.40 [.055]	1.60 [.063]
H	-	4.50 [.177]
I	4.96 [.195]	5.04 [.199]
J	6.97 [.275]	7.03 [.277]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	15.85 [.624]	16.25 [.640]
B	-	18.00 [.709]
C	22.10 [.871]	22.90 [.902]
D	8.10 [.319]	-
E	10.00 [.394]	-
F	6.97 [.275]	7.03 [.277]
G	0.50 [.020]	0.70 [.028]
H	1.77 [.070]	2.07 [.082]
I	5.00 [.197]	-

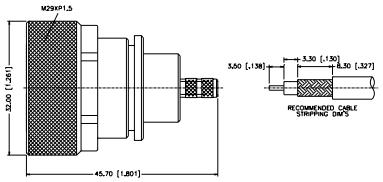
Note1: I.D. To meet VSWR and contact resistance when mated with 4.96/5.04 mm Dia. Pin.

All connector bodies and center contacts, unless otherwise noted, are silver-plated with no nickel undercoat.
All dimensions are shown in millimeters [inches].

Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161111A1-SATS-1-50	01	Silver	Teflon	50	3
7161111A1-SATS-1A-50	01A	Silver	Teflon	50	3
7161111A1-SATS-5-50	05	Silver	Teflon	50	2
7161111A1-SATS-7-50	07	Silver	Teflon	50	6
7161111A1-SATS-7A-50	07A	Silver	Teflon	50	6
7161111A2-SATS-7C-50	07C	Silver	Teflon	50	6
7161111A2-SATS-17-50	17	Silver	Teflon	50	.610HEX



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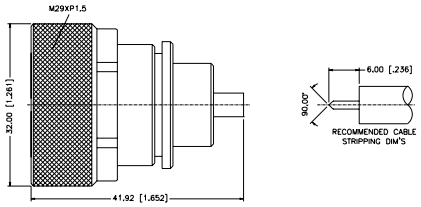
Straight Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161181A1-SATS-10-50	10	Silver	Teflon	50	N/A
7161181B1-SATS-11-50	11	Silver	Teflon	50	N/A
7161181A1-SATS-12-50	12	Silver	Teflon	50	N/A



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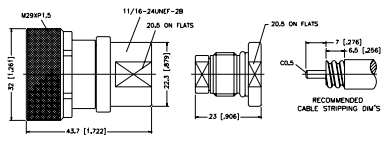
Straight Clamp Plug - Super Flex Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161141A1-SATS-3/8-50	3/8" Superflex	Silver	Teflon	50	N/A
7161141A1-SATS-1/2-50	1/2" Superflex	Silver	Teflon	50	N/A
7161141A1-SATS-7/8A-50	7/8" Helical	Silver	Teflon	50	N/A



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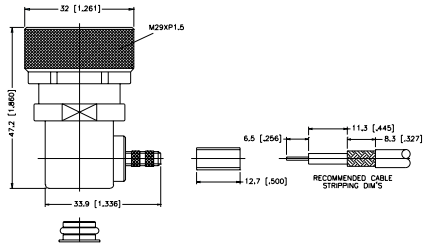
Angle Plug Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Right Angle Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161142A1-SATS-1-50	01	Silver	Teflon	50	3
7161142A1-SATS-1A-50	01A	Silver	Teflon	50	3
7161112A1-SATS-7-50	07	Silver	Teflon	50	6
7161112A1-SATS-7A-50	07A	Silver	Teflon	50	6
7161112A1-SATS-7C-50	07C	Silver	Teflon	50	6
7161112A1-SATS-17-50	17	Silver	Teflon	50	.610HEX



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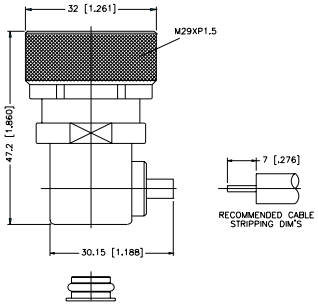
Right Angle Solder Plug - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161182A1-SATS-10-50	10	Silver	Teflon	50	N/A
7161182A2-SATS-11-50	11	Silver	Teflon	50	N/A
7161182A1-SATS-12-50	12	Silver	Teflon	50	N/A



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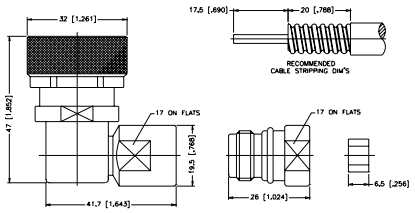
Right Angle Clamp Plug - Super Flex Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161142A1-SATS-3/8-50	3/8" Superflex	Silver	Teflon	50	N/A
7161142A1-SATS-1/2-50	1/2" Superflex	Silver	Teflon	50	N/A
7161142A1-SATS-7/8A-50	7/8" Helical	Silver	Teflon	50	N/A

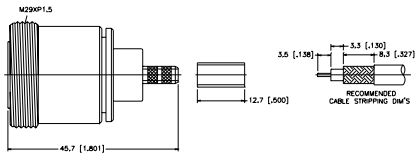


Assembly Instruction Q - page 239

Jack Crimp Attachment for Flexible cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166111A1-SATS-1-50	01	Silver	Teflon	50	3
7166111A1-SATS-1A-50	01A	Silver	Teflon	50	3
7166111A1-SATS-7-50	07	Silver	Teflon	50	6
7166111A1-SATS-7A-50	07A	Silver	Teflon	50	6
7166111A2-SATS-7C-50	07C	Silver	Teflon	50	6
7166111A2-SATS-17-50	17	Silver	Teflon	50	.610HEX



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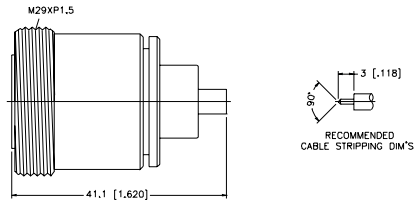
Straight Solder Jacks - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166181A1-SATS-10-50	10	Silver	Teflon	50	N/A
7166181A1-SATS-11-50	11	Silver	Teflon	50	N/A
7166181A1-SATS-12-50	12	Silver	Teflon	50	N/A



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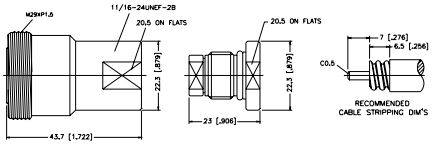
Straight Clamp Jack - Super Flex Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166141A1-SATS-3/8-50	3/8" Superflex	Silver	Teflon	50	N/A
7166141A1-SATS-1/2-50	1/2" Superflex	Silver	Teflon	50	N/A
7166141A1-SATS-7/8A-50	7/8" Helical	Silver	Teflon	50	N/A



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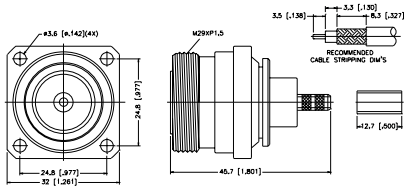
Panel Jack Crimp Attachment for Flexible Cable and Direct solder for Semi-Rigid Cable

Panel Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166511A1-SATS-1-50	01	Silver	Teflon	50	3
7166511A1-SATS-1A-50	01A	Silver	Teflon	50	3
7166511A1-SATS-7-50	07	Silver	Teflon	50	6
7166511A1-SATS-7A-50	07A	Silver	Teflon	50	6
7166511A2-SATS-7C-50	07C	Silver	Teflon	50	6
7166511A2-SATS-17-50	17	Silver	Teflon	50	.610HEX

Remark: for O-ring gasket, add -10 to part number



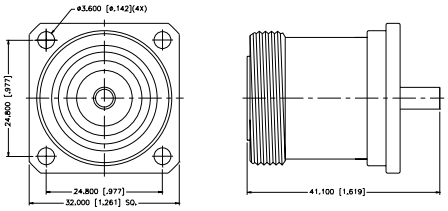
Assembly Instruction J - page 232

Panel Solder Jack - Semi-Rigid Cable

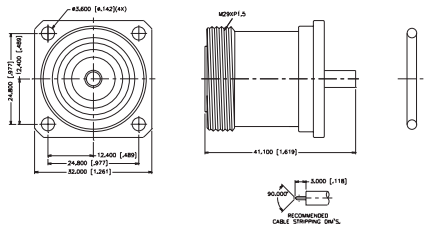
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166581A1-SATS-10-50	10	Silver	Teflon	50	N/A
7166581B1-SATS-11-50	11	Silver	Teflon	50	N/A
7166581A1-SATS-12-50	12	Silver	Teflon	50	N/A

Remark: for O-ring gasket, add -10 to part number

7166581A1-SATS-10-50



7166581A1-SATS-10-50-10



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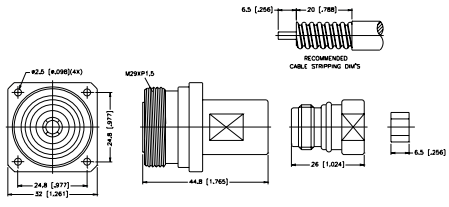
Panel Clamp Jack - Super Flex Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166541A1-SATS-3/8-50	3/8" Superflex	Silver	Teflon	50	N/A
7166541A1-SATS-1/2-50	1/2" Superflex	Silver	Teflon	50	N/A

Remark: for O-ring gasket, add -10 to part number



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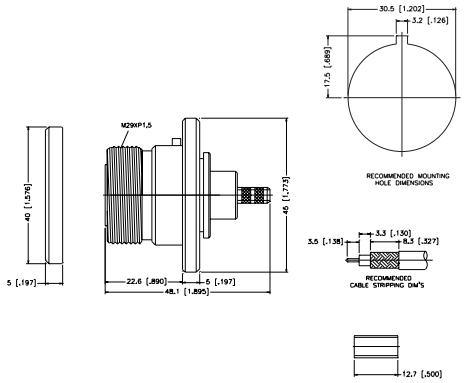
Bulkhead Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Bulkhead Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166411A1-SATS-1-50	01	Silver	Teflon	50	3
7166411B2-SATS-1A-50	01A	Silver	Teflon	50	3
7166411B1-SATS-7-50	07	Silver	Teflon	50	6
7166411B1-SATS-7A-50	07A	Silver	Teflon	50	6
7166411A1-SATS-7C-50	07C	Silver	Teflon	50	6
7166411A1-SATS-17-50	17	Silver	Teflon	50	.610HEX



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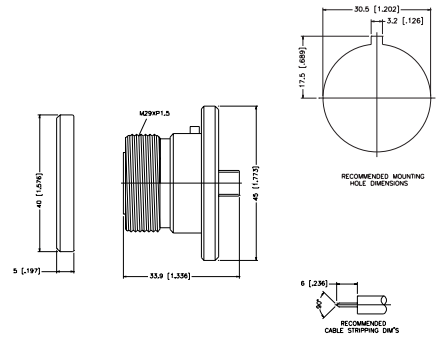
Bulkhead Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166481A1-SATS-10-50	10	Silver	Teflon	50	N/A
7166481B1-SATS-11-50	11	Silver	Teflon	50	N/A
7166481A1-SATS-12-50	12	Silver	Teflon	50	N/A



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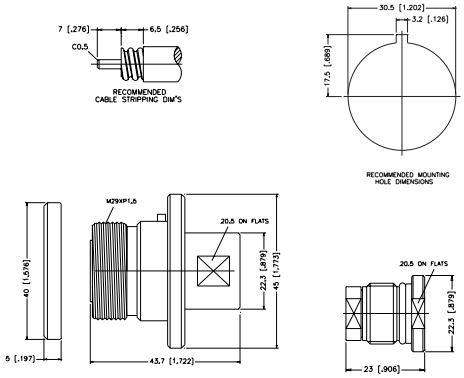
Bulkhead Clamp Jack - Corrugated Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166441A1-SATS-3/8-50	3/8" Superflex	Silver	Teflon	50	N/A
7166441A1-SATS-1/2-50	1/2" Superflex	Silver	Teflon	50	N/A
7166441A1-SATS-7/8A-50	7/8" Helical	Silver	Teflon	50	N/A



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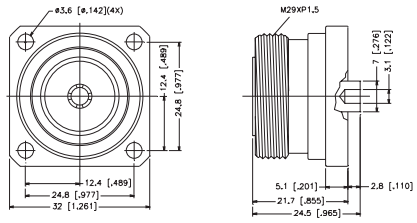
Panel Receptacles

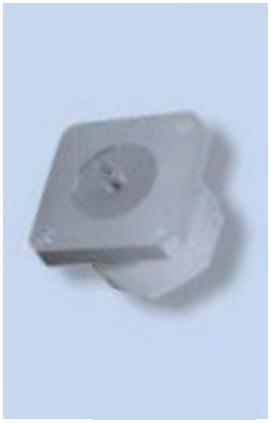
Panel Jack Receptacles

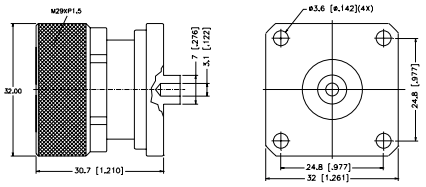
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166551A2-SATS-50 Solder Contact	N/A	Silver	Teflon	50	N/A
7166551B1-SATS-50 Threaded Contact	N/A	Silver	Teflon	50	N/A
7166551C1-N/NTS-50 Solder Contact, 1 Inch Flange	N/A	Silver	Teflon	50	N/A



Panel Plug Receptacles

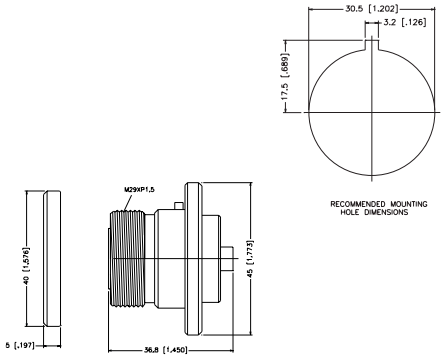
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7161551A2-SATS-50 Solder Contact	N/A	Silver	Teflon	50	N/A
7161551B1-SATS-50 Threaded Contact	N/A	Silver	Teflon	50	N/A





Bulkhead Receptacles

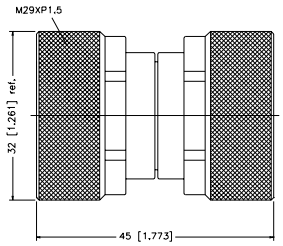
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7166451A2-SATS-50	N/A	Silver	Teflon	50	N/A



In-Series Adapters

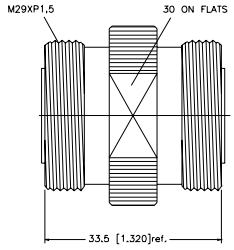
Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7162071A1-SATS-50	N/A	Silver	Teflon	50	N/A



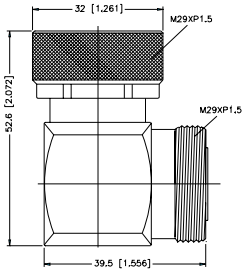
Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7167071A1-SATS-50	N/A	Silver	Teflon	50	N/A



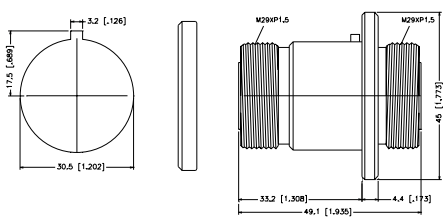
Right Angle Plug-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7165072A1-SATS-50	N/A	Silver	Teflon	50	N/A



Jack-to-Jack Bulkhead Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
7167471A1-N/NTS-50	N/A	Silver	Teflon	50	N/A



Note:

The Amphenol UHF/MINI-UHF connectors are popular and economical, used when impedance mating is not required. General purpose units are designed to operate satisfactorily op to 500 MHz. They have a peak voltage rating of 500 volts.

Electrical Specifications
MINI-UHF Series

Impedance	50 ohm nominal
Frequency Range	0-2.5 GHz
Working Voltage	335 volts rms
Dielectric Withstanding Voltage	1000 volts rms
VSWR	1.25 max. 0-2.5 GHz
Insulation Resistance	5000 megohms (min)

UHF Series

Impedance	None-constant
Frequency Range	0-500 MHz
Voltage Rating	500 volts peak

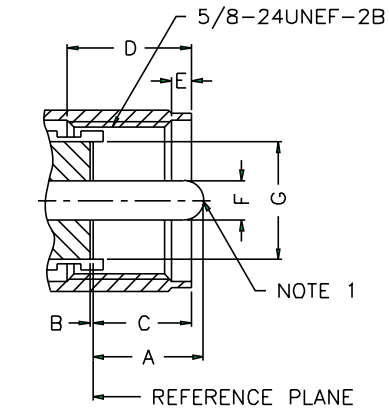
Material Specifications

Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Brass or Phosphor Bronze	Gold or Silver plated
Metal parts		Brass or Zinc diecast	Nickel or Silver plated
Insulators		Teflon, PBT polyester, Phenolic	None
Crimp ferrule		Annealed Copper	Nickel or Silver plated

*Note: Silver-plated body is only available for special requirements

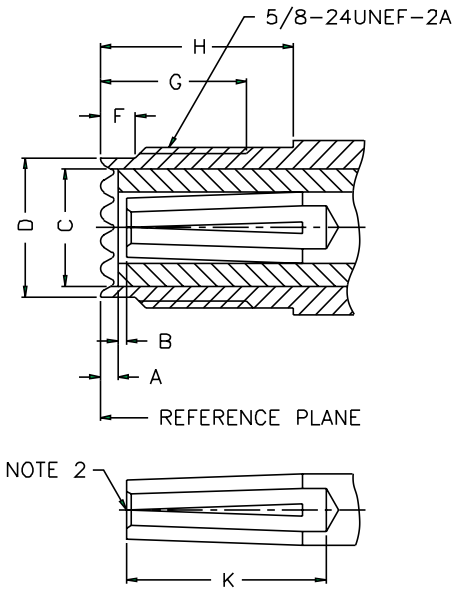
UHF/Mini-UHF Coaxial Connectors

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	-	11.10 [.437]
B	0.00	-
C	-	9.91 [.390]
D	8.76 [.345]	-
E	1.91 [.075]	4.27 [.168]
F	3.91 [.154]	4.01 [.158]
G	11.56 [.455]	12.22 [.481]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	1.02 [.040]	-
B	0.03 [.001]	-
C	11.56 [.455]	12.22 [.481]
D	-	14.25 [.561]
F	1.19 [.047]	1.96 [.077]
G	7.87 [.310]	-
H	11.10 [.437]	-
K	11.76 [.463]	-

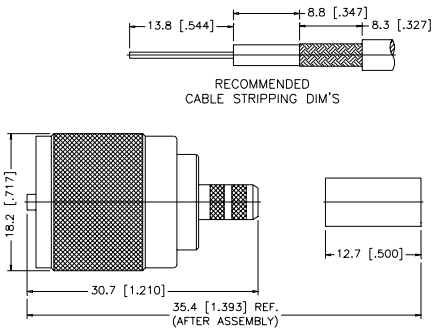
Note: 1. Form of inner conductor optional. 2. I.D. to meet good electrical contact when mated with 3.91/4.01 mm Dia. Pin.

All connector bodies, unless otherwise noted, are nickel plated.
All contacts are silver plated 100µ"; gold contacts 3µ" or tin lead plate contacts are also available.
All insulators, unless otherwise noted, are phenolic. Silver plating is available for all bodies. Please contact Amphenol for samples and quotes.
All dimensions are shown in millimeters [inches].

Plug Crimp Attachment for Flexible Cable

Straight Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1121A1-NPH3G-1-50	01	Nickel	Phenolic	N/A	4
U1121A1-NT3G-1A-50	01A	Nickel	Teflon	N/A	4
U1121A1-NPH3G-3-50	03	Nickel	Phenolic	N/A	4
U1121A1-NPH3G-7-50	07	Nickel	Phenolic	N/A	6
U1121A1-NPH3G-7A-50	07A	Nickel	Phenolic	N/A	4 or 6
U1121A1-7B-50	07B	Nickel	Phenolic	N/A	4



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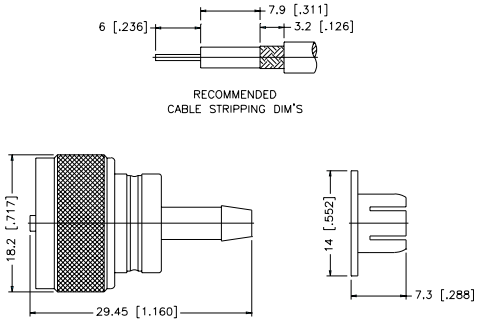
Straight FCP Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1161A1-NPHS-1-50	01	Nickel	Phenolic	N/A	N/A



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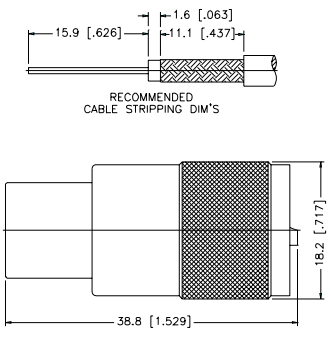
Straight Solder Plug - UG Standard, PL-259 Type

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-U1181C1-NPHS-50	7,7A,7B	Nickel	Phenolic	50	N/A
U1181C1-N/SPHS-50 Silver body	7,7A,7B	Nickel	Phenolic	50	N/A
UHF1702	N/A	Silver	Teflon	50	N/A
OS-UHF1703 Silver body	N/A	Nickel	Teflon	50	N/A
U1181C1-STS-20-50 for RG-217/U cable	20	Silver	Teflon	50	N/A



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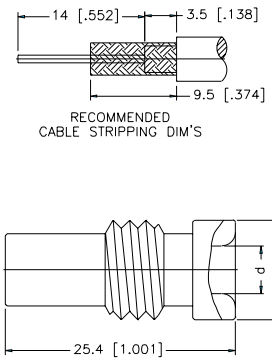
UHF Series

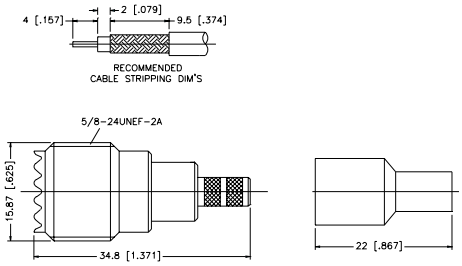
Reducing Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U0181A1/BR=NI	01	Nickel	N/A	N/A	N/A
U0181A2/BR=NI	03	Nickel	N/A	N/A	N/A



Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6111A1-ND3G-1-50	01	Nickel	delrin	50	4
U6111A2-ND3G-5-50	05	Nickel	delrin	50	3



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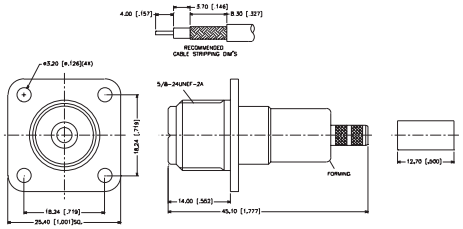
Panel Crimp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6251G1-NT3G-1-50	01	Nickel	Teflon	50	4
U6251G1-NT3G-7-50	07	Nickel	Teflon	50	6



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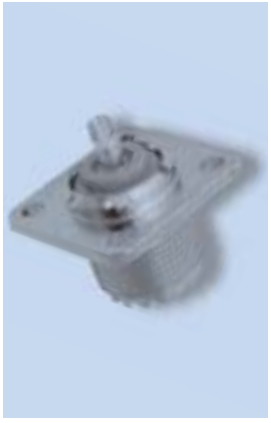
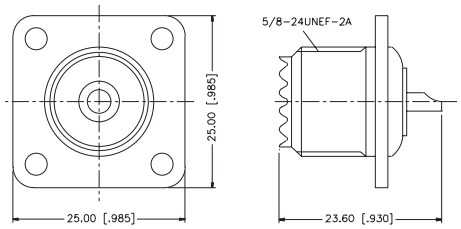
Panel Receptacle

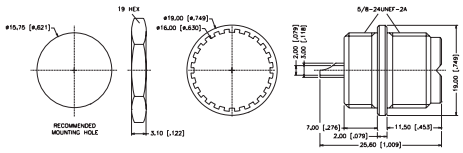
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6551A1-NTT-50	N/A	Nickel	Teflon	N/A	N/A





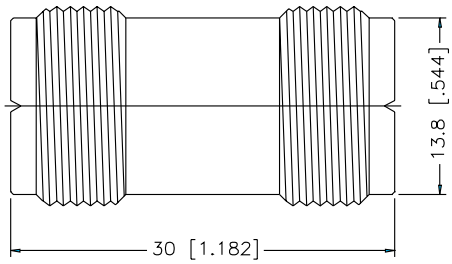
Bulkhead Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U6451A1-NTN	N/A	Nickel	Teflon	N/A	N/A

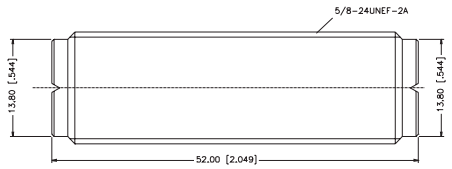


Jack-to-Jack Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U7071A1-NT3G-50	N/A	Nickel	Teflon	N/A	N/A



P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U7071A2-NT3G-50	N/A	Nickel	Teflon	N/A	N/A

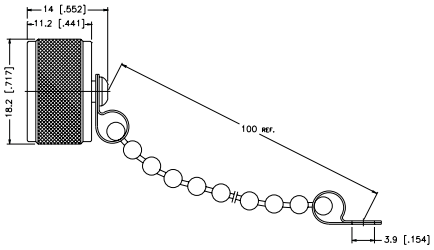


Accessories

UHF Male Cap & Chain

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
U1005A1-N	N/A	Nickel	N/A	N/A	N/A

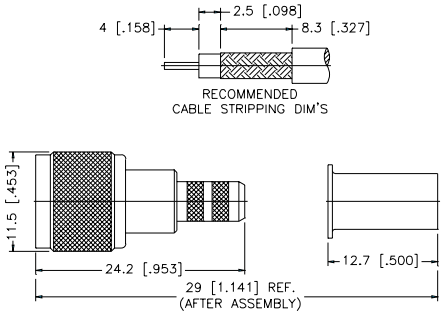
Remark: Chain length 100 [3.94]



Mini-UHF Series

Straight 3-Piece Crimp Plug - Captive contact - flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1121A1-NT3G-1-50	01	Nickel	Teflon	50	4
MU1121D1-ND3G-1-50 2 PC Crimp	01	Nickel	Delrin	50	4
MU1121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU1121A1-NT3G-1B-50	01B	Nickel	Teflon	50	3
MU1121A1-NT3G-3-50	03	Nickel	Teflon	50	3
MU1121A1-NT3G-5-50	05	Nickel	Teflon	50	1
MU1121A1-NT3G-05A-50	05A	Nickel	Teflon	50	2
MU1121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4
MU1121A1-NT3G-14-50	14	Nickel	Teflon	50	4



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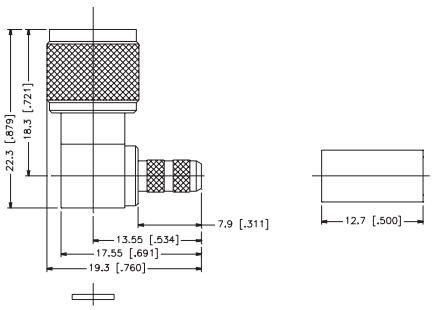
Right Angle 2-Piece Crimp Plug - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1112A1-NT3G-1-50	01	Nickel	Teflon	50	4
MU1112A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU1112A2-NT3G-5-50	05	Nickel	Teflon	50	3
MU1112A2-NT3G-5A-50	05A	Nickel	Teflon	50	2
MU1112A3-NT3G-7B-50	07B	Nickel	Teflon	50	4

Remark: Cable center conductor soldered to pin directly



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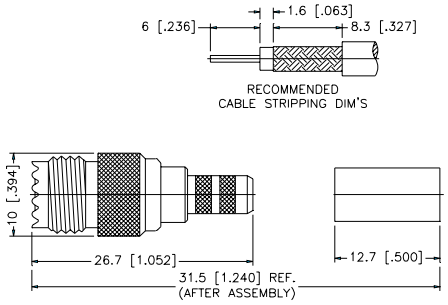
Right Angle 3-Piece Crimp Jack - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6121A1-NT3G-1-50	01	Nickel	Teflon	50	3
MU6121B1-ND3G-1-50	01	Nickel	Delrin	50	3
MU6121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
MU6121A1-NT3G-3-50	03	Nickel	Teflon	50	4
MU6121F1-ND3G-5-50	05	Nickel	Delrin	50	1
MU6121F1-ND3G-5A-50	05A	Nickel	Delrin	50	2
MU6121A1-NT3G-7B-50	07B	Nickel	Teflon	50	4



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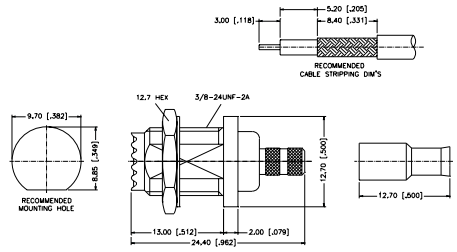
Bulkhead Crimp Jack - Flexible Cable

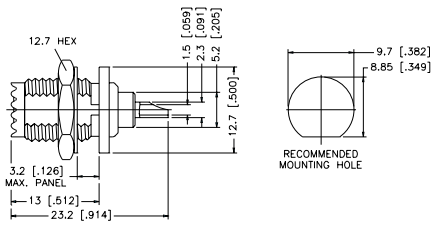
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6421A1-NT3G-1-50	01	Nickel	Teflon	50	3
MU6421E1-NT3G-5-50	05	Nickel	Teflon	50	3



Assembly Instruction J - page 232

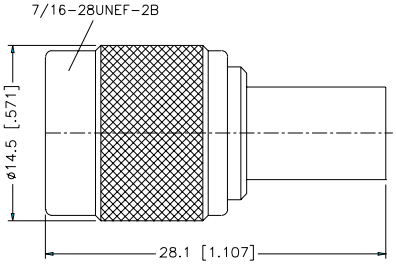
Bulkhead Receptacle Jack - Rear Mount

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU6451B1-NT30G-50	N/A	Nickel	Teflon	50	N/A



Mini-UHF Terminator Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
MU1004A1-NT3G-50R-0.05-1W	N/A	Nickel	Teflon	50	N/A



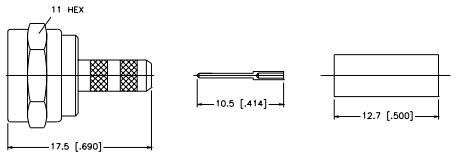
Note:

F connectors have been a standard for the CATV industry for over thirty years.
Center contacts are available in either gold or tin-lead plating.
All dimensions are in millimeters [inches].

Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Crimp Plug - 3-Piece Crimp - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F1121A1-002-ND3G-9100-75	Belden 9100	Nickel	Delrin	75	5
F1111A1-002-TTT-6-75	06	Bright Tin	Teflon	75	1 or 2
F1121A3-NT3G-7C-50	07C	Nickel	Teflon	50	6
F1121A1-003-ND3G-8-75	08	Nickel	Delrin	75	5
F1111A1-001-NT3G-16-75	16	Nickel	Teflon	75	3
F1111A1-001-NT3G-16A-75	16A	Nickel	Teflon	75	3
F1111A1-002-TTT-19-75	19	Bright Tin	Teflon	75	8



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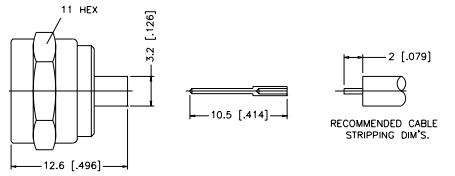
Straight Crimp Plug - .085 Semi-Rigid Cable

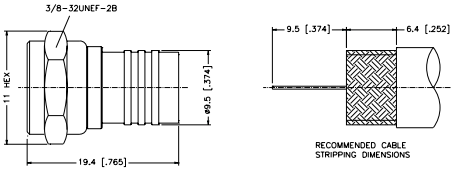
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F1181A1-TTT-11-50	11	Bright Tin	Teflon	75	N/A



Assembly Instruction E - page 227

Straight Crimp Plug - 1-Piece Crimp - Flexible cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F5002-N-3	03	Nickel	N/A	75	5
F5002-N-8	08	Nickel	N/A	75	5
F5002-N-1855A Belden 1855A Cable	-	Nickel	N/A	75	.296 hex
F5002I-N-1186A Belden 1186A Cable RG59/U Double Braid	-	Nickel	N/A	75	.296 hex



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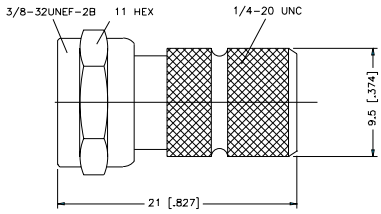
Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Straight Plug - Twist-On - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F1131A1-N-3	03	Nickel	N/A	75	N/A
F1131A1-N-8	08	Nickel	N/A	75	N/A



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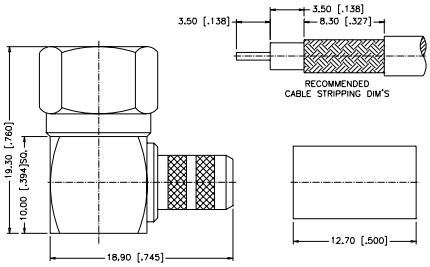
Right Angle Crimp Plug - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F1112A1-NT3G-3-75	03	Nickel	Teflon	75	4
F1112A1-NT3G-8-75	08	Nickel	Teflon	75	5



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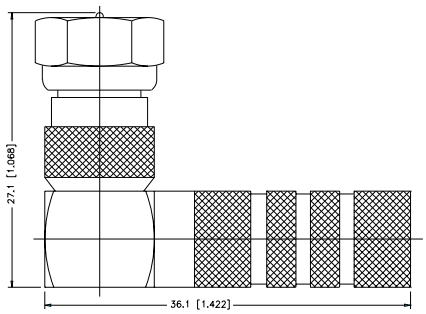
Right Angle Plug - Twist - Standard Cable

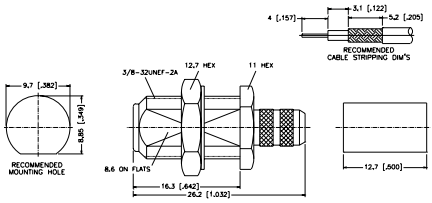
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7265-NDN-8	08	Nickel	Delrin	75	N/A



Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Crimp and Solder Jack - Flexible and Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F6411A2-NT3G-3-75	03	Nickel	Teflon	75	4
F6411A1-002-TPPT-6	06	Tin Lead	P.P.	75	1 or 2
F6411A2-TPPT-6A	06A	Tin Lead	P.P.	75	2
F6411A2-NT3G-8-75	08	Nickel	Teflon	75	5
F6481A1-TTT-11	11	Tin Lead	Teflon	75	N/A

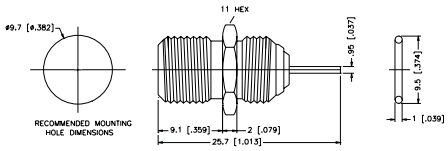


Assembly Instruction E - page 227
Assembly Instruction J - page 232

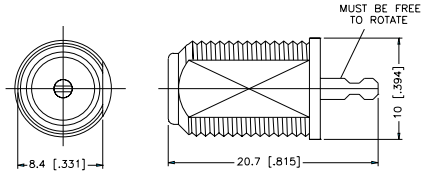
Receptacles

Bulkhead Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F7310-NPPT	N/A	Nickel	P.P.	75	N/A



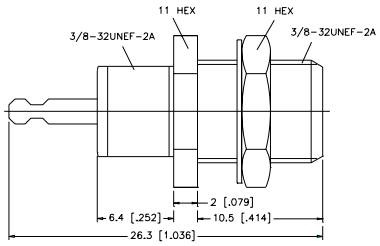
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7223L-NPPT	N/A	Nickel	P.P.	75	N/A
OS-722B-NPPT	N/A	Nickel	P.P.	75	N/A
With Hex Nut and Lockwasher					



Receptacles

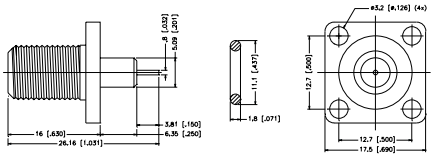
Bulkhead Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F6351A1-003-NPPT-75	N/A	Nickel	P.P.	75	N/A



Panel Receptacle - Exposed Teflon

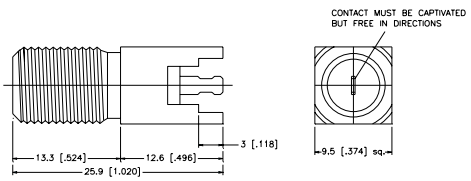
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F6551A1-002-NTT	N/A	Nickel	Teflon	75	N/A



Printed Circuit Board Connectors

P.C. Board Receptacle

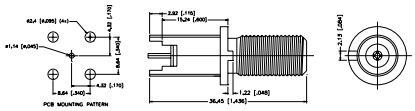
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F625100-NPPT-75	N/A	Nickel	P.P.	75	N/A



Printed Circuit Board Connectors

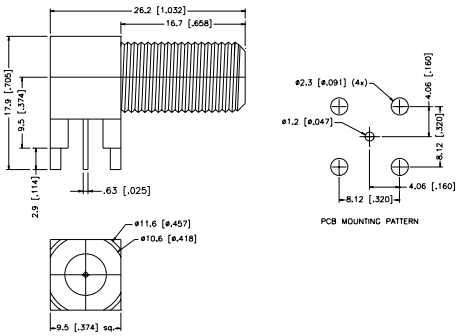
P.C. Board Bulkhead Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F625100-003-TT3G-75	N/A	Tin Lead	Teflon	75	N/A

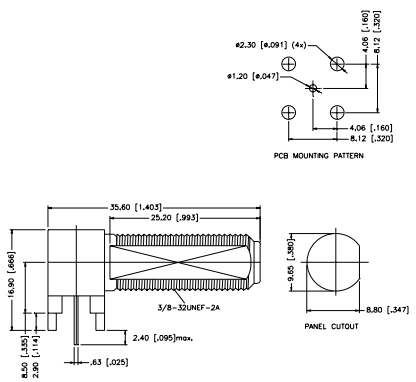


Right Angle P.C. Board Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F6252A1-004-TD3G-75	N/A	Tin Lead	Delrin	75	N/A



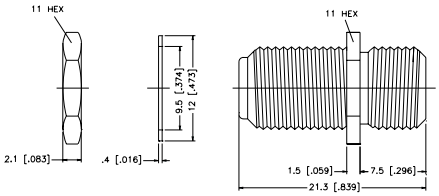
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F6252A1-NPPT	N/A	Nickel	P.P.	75	N/A
F6252A1-NPPT-75 With Hex Nut and Lock Washer	N/A	Nickel	P.P.	75	N/A



In-Series Adapters

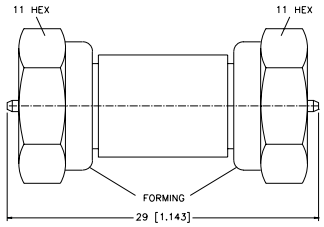
Bulkhead Adapter - Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F7900Z-NPPT	N/A	Nickel	P.P.	75	N/A



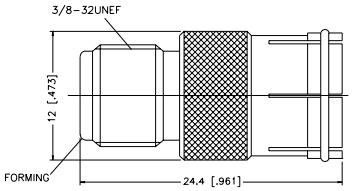
Straight Adapter - Plug-to-Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7234-NDN	N/A	Nickel	Delrin	75	N/A



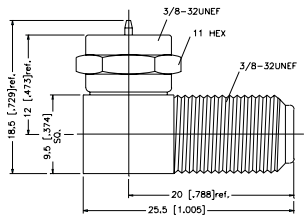
Straight Adapter - Jack-to-Push-On Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7236-NPPN	N/A	Nickel	P.P.	75	N/A



Right Angle Adapter - Plug-to-Jack

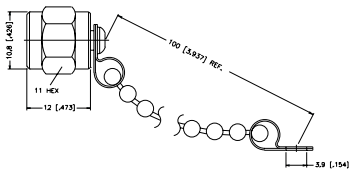
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F5072A2-NPPT-75	N/A	Nickel	P.P.	75	N/A



Accessories

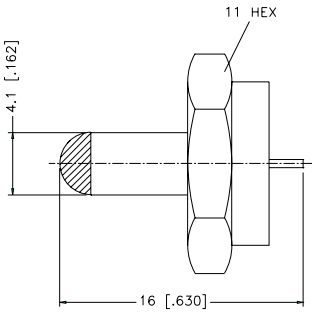
Cap and Chain - Male

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
F1005A1-N	N/A	Nickel	N/A	75	N/A

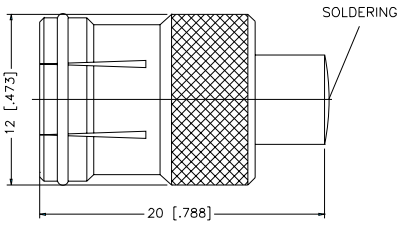


Resistor-Terminated - Male Cap

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
OS-7219-N	N/A	Nickel	Teflon	75	N/A



F1004A1-NT3G-75 Push-On	N/A	Nickel	Teflon	75	N/A



Note:

The Amphenol TWINAX connectors are designed for use on IBM systems 34 and 38 installations. They can interface IBM host-compatible network communications where minimum cross-talk and balanced circuits are necessary in interconnecting work stations.
TWINAX-polarized key and keyway construction, threaded coupling, 0-200 MHz range, 500 V peak voltage rating.
Twin-BNC-polarized contact design (one female, one male), 2 stud bayonet coupling, captivated contacts, 0-100 MHz range, 100 V peak voltage rating.

Electrical Specifications

Impedance	Used with 78 ohm/95 ohm twin conductor cable
Frequency Range	Keyway polarization and non-polarized: 0-200 MHz, 0-500 MHz with caution Contact polarization: 0-100 MHz
Voltage Rating	Keyway polarization and non-polarization: 500 volts peak Contact polarization: 100 volts peak

*TWINAX connectors keyway construction meet applicable sections MIL-C-3655.

Material Specifications

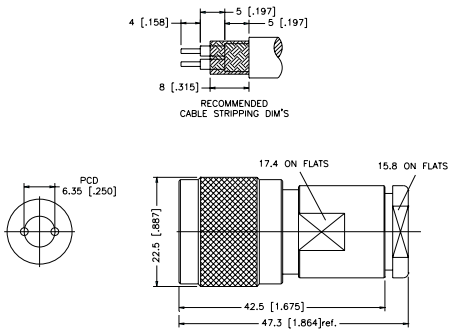
Parts Name		Material	Finish
Center Contact	Male	Brass	Gold or Silver plated
	Female	Phosphor Bronze (nominal) or Beryllium Copper	Gold or Silver plated
Metal parts		Brass	Nickel
Insulators		PBT polyester or noryl	None
Clamp gaskets		Silicone rubber or Synthetic rubber	None

All connector bodies are nickel plated.
Insulators are PBT polyester and contacts are gold plated, 3µ".
Silver-plated contacts are available upon request. Please contact Amphenol for samples and quotes.
All dimensions are shown in millimeters [inches].

Twin Contacts/Keyed 90°

Straight Clamp Plug - Standard Cable

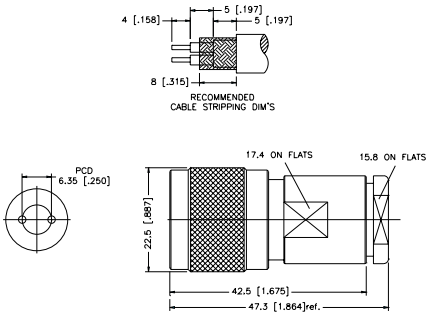
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX1141A1-NPB3G-9-95 IBM 7362229 Belden 9207	09	Nickel	PBT Polyester	100	N/A
TWX1141A1-NPB3G-89-95 Belden 89207	09	Nickel	PBT Polyester	100	N/A



1 gold, 1 silver contact are available
Assembly Instruction R - page 240

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX1141K1-NPB3G-9-95	09	Nickel	PBT Polyester	100	N/A

Remark: European Type. With Delrin Bushing 9.3 [.366] x 8 [.315] x 4.5 [.177]

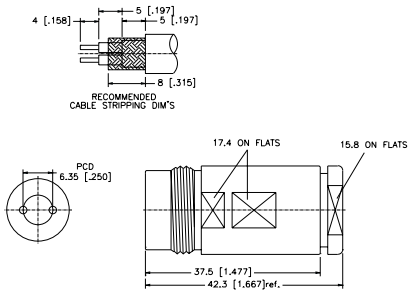


1 gold, 1 silver contact are available
Assembly Instruction R - page 240

Straight Clamp Jack - Standard Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX6141A1-NPB3G-9-95	09	Nickel	PBT Polyester	100	N/A

Remark: IBM 6838959



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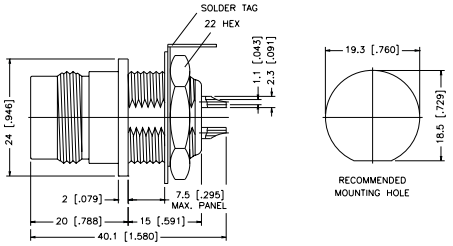
Bulkhead Receptacle Jack

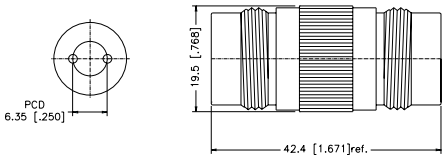
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX6351B1-NPB3G-95 IBM 7362179	N/A	Nickel	PBT Polyester	100	N/A
TWX6351D1-NPB3G-95 Diecast body	N/A	Nickel	PBT Polyester	100	N/A



Jack-to-Jack Feedthrough Adapter

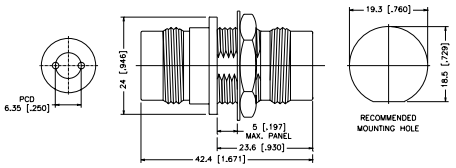
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX7071A1-NPB3G-95	N/A	Nickel	PBT Polyester	100	N/A

Remark: IBM 7362230



Bulkhead Jack-to-Jack Adapter

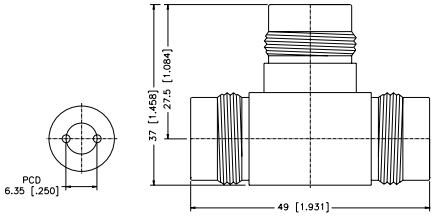
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX7471B1-NPB3G-95	N/A	Nickel	PBT Polyester	100	N/A



Tee Adapter Jack-to-Jack-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX8073A1-NPB3G-95	N/A	Nickel	PBT Polyester	100	N/A

Remark: IBM 6851167

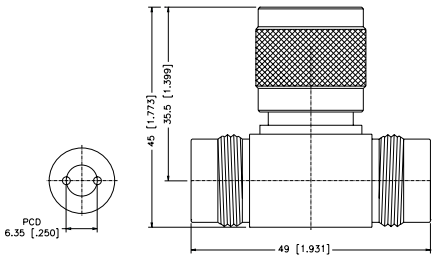


In-Series Tee Adapters

Tee Adapter Jack-to-Plug-to-Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWX9073A1-NPB3G-95	N/A	Nickel	PBT Polyester	100	N/A

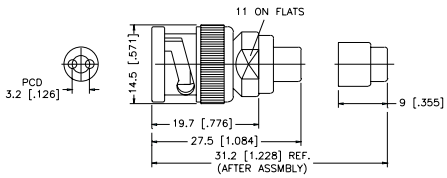
Remark: IBM 4178269



BNC Polarized Contact/One Male, One Female

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWB1111K1-NPB3G-78	RG-108A/U	Nickel	PBT Polyester	78	N/A



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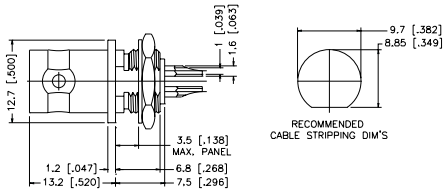
Bulkhead Receptacle Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
TWB6351B1-NPB3G-95	N/A	Nickel	PBT Polyester	78	N/A

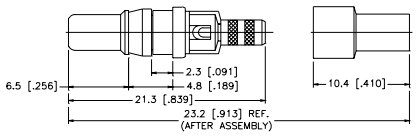


All connector bodies are gold plated, 3µ".
Insulators are Teflon and center contacts are gold plated, 3µ".
Contacts fit into all standard D-Subminiature crimp connectors.
All dimensions are shown in millimeters [inches].

Crimp Attachments for Flexible Cable/PCB Mount

Straight Cable Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
DS6111C2-3GT3G-5-50	05	Gold	Teflon	50	1 or 2
DS6111C2-3GT3G-6-75	06	Gold	Teflon	75	1 or 2



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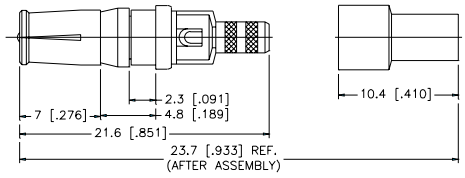
Straight Cable plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
DS1111C1-3GT3G-5-50	05	Gold	Teflon	50	1 or 2
DS1111C2-3GT3G-6-75	06	Gold	Teflon	75	1 or 2



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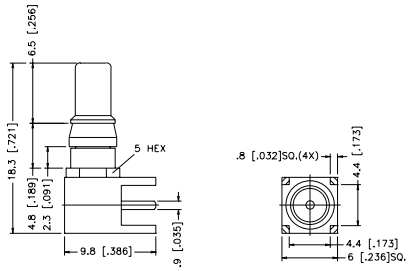
Right Angle Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
DS6252L1-002-NT3G-50	N/A	Gold	Teflon	50	N/A
DS6252L1-003-NT3G-75	N/A	Gold	Teflon	75	N/A



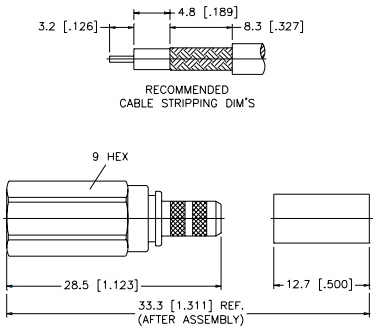
Note:

All connector bodies, unless otherwise noted, are nickel.
All contacts are gold plated, 3µ". Insulators are Delrin.
Silver plating and Teflon insulators are available for all connectors.
Please contact Amphenol for samples and quotes.
All dimensions are shown in millimeters [inches].

Crimp Attachments for Flexible Cable

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
FME1121A3-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
FME1121A3-NT3G-3-50	03	Nickel	Teflon	50	4
FME1121A4-NT3G-5-50	05	Nickel	Teflon	50	2
FME1121G1-NT3G-14-50	14	Nickel	Teflon	50	2



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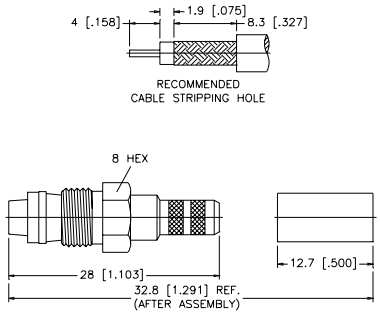
Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
Teflon/Captured					
FME6121B1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
Delrin/Noncaptured					
FME6121B1-ND3G-1-50	01	Nickel	Delrin	50	3 or 4
FME6121E1-ND3G-5-50	05	Nickel	Delrin	50	2
FME6121A2-002-ND3G-7B-50	07B	Nickel	Delrin	50	4



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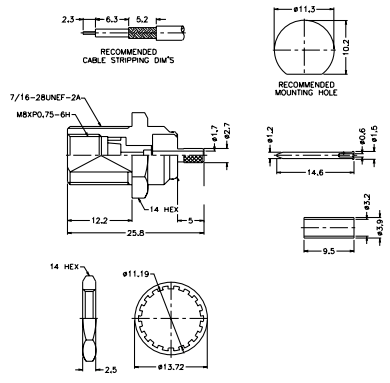
Bulkhead Crimp Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
FME1421A2-NT3G-5-50	05	Nickel	Teflon	50	2



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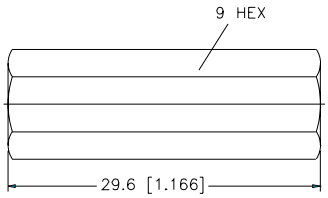
In-Series Adapters

Nipple Plug to Nipple Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
FME2071A1-NTS-50	N/A	Nickel	Teflon	50	N/A



The Amphenol 1.0/2.3 connectors are sub-miniature, high frequency connectors which offer reliable broadband performance.
The main features are high mechanical strength, high durability and the slide on/screw on coupling latch to prevent accidental disconnection.
These connectors, owning to their smaller size, are popularly used in telecommunication systems where space saving is critical.

For crimping the inner contact please use our Standard tool M22520/2-01 and Locator AC-POSITIONER K41.

Electrical Specifications

Impedance	50 Ω / 75 Ω	
Frequency Range	0 - 10 GHz / 0 - 1 GHz	
Working Voltage	≤250 Vrms max at sea level	
Dielectric withstanding voltage	>750 Vrms at sea level	
VSWR	Straight Type	≤1.3 (0-4 GHz) / ≤1.3 (0-1 GHz)
	Right angled Type	≤1.5 (0-4 GHz) / ≤1.5 (0-1 GHz)
	Receptacles, etc	N/A
Contact Resistance	Center Contact	≤10 mΩ
	Outer Contact	≤3 mΩ
Insulation Resistance	≥1000 MΩ	

Material Specifications

Body	Brass per QQ-B-626; Gold or Nickel	
Contact	Male	Brass per QQ-B-626; Gold
	Female	Beryllium Copper per QQ-C-530; Gold
	Outer Contacts	Beryllium Copper per QQ-C-530; Gold
Insulator	PTFE per MIL-P-19468	
Ferrule	Copper; Nickel	

* Other plating finish available upon request

Mechanical Specifications

Engagement Force	<2.3 lbs (<10 N)
Disengagement force	<2.3 lbs (<10 N)
Contact Captivation	>4 lbs (>16 N) axial force
Durability	≥500 mating cycles

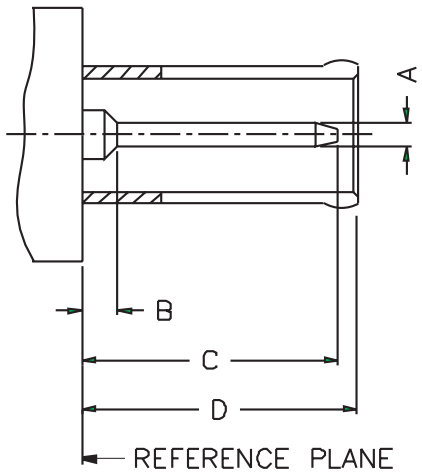
Cable Retention

Small Size Cables	>15 lbs (>60N) eg: RG179U
Larger Size Cables	>35 lbs (>150N) eg: BT3002

Environmental Specifications

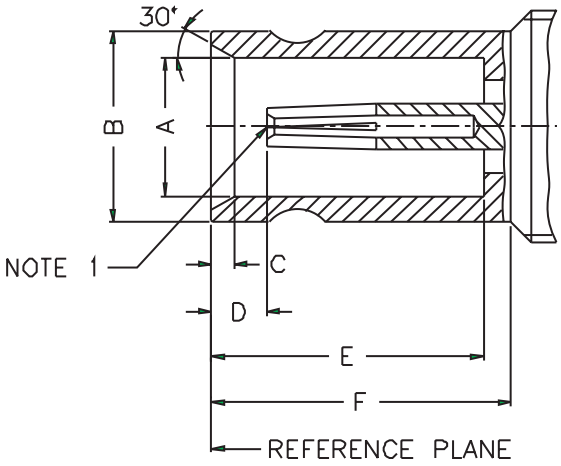
Temperature	-40C ~ +125C
Moisture Resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101 - Condition B
Vibration	MIL-STD-202, Method 204 - Condition A

Interface mating dimensions



Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	0.48 [.019]	0.52[.020]
B	-	1.15 [.045]
C	-	5.50 [.217]
D	5.40 [.213]	5.70 [.224]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	3.00 [.118]	3.06 [.120]
B	4.03 [.159]	4.15 [.163]
C	0.50 [.020]	0.60 [.024]
D	1.15 [.045]	-
E	5.80 [.228]	5.90 [.232]
F	6.40 [.252]	6.50 [.256]

Note: 1. I.D. to meet VSWR and contact resistance when mated with .48/.52 MM dia. Pin.

Crimp Attachments for Flexible Cable

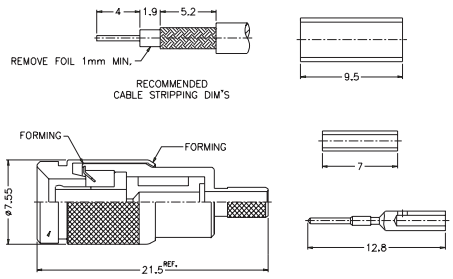
Push Pull Straight Plug Full Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1231121D1-E06	6	Nickel	Teflon	75	Ace-tool 1	6**
1231121D1-E16	16	Nickel	Teflon	75	Ace-tool 3	5
1231121D1-E16A	16A	Nickel	Teflon	75	Ace-tool 3	5***
1231121D1-E20	20	Nickel	Teflon	75	Ace-tool 2	5
1231121D1-E21	21	Nickel	Teflon	75	Ace-tool 2	6
1231121D1-E22	22	Nickel	Teflon	75	Ace-tool 3	5
1231121D1-E23	23	Nickel	Teflon	75	55AR0052	6
1231121D1-E24	24	Nickel	Teflon	75	Ace-tool 2	6

*crimp instruction inner contact, locator adjust to:

**(RG179 or RG187A to 3), (RA8000 to 1)

***(BT3002 to 3)



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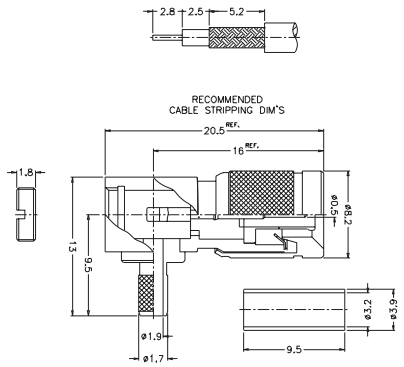
Push Pull Right Angled Plug Solder Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1231112D1-E06	6	Nickel	Teflon	75	Ace-tool 1	N/A
1231112D1-E16	16	Nickel	Teflon	75	Ace-tool 3	N/A
1231112D1-E16A	16A	Nickel	Teflon	75	Ace-tool 3	N/A
1231112D1-E20	20	Nickel	Teflon	75	Ace-tool 2	N/A
1231112D1-E21	21	Nickel	Teflon	75	Ace-tool 2	N/A
1231112D1-E22	22	Nickel	Teflon	75	Ace-tool 3	N/A
1231112D1-E23	23	Nickel	Teflon	75	55AR0052	N/A
1231112D1-E24	24	Nickel	Teflon	75	Ace-tool 1	N/A



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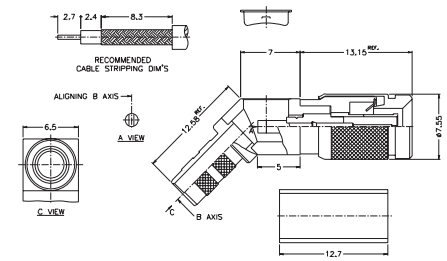
Push Pull 45 Degrees Plug Solder Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1231110L2-E06	6	Nickel	Teflon	75	Ace-tool 1	N/A
1231110L2-E16	16	Nickel	Teflon	75	Ace-tool 3	N/A
1231110L2-E16A	16A	Nickel	Teflon	75	Ace-tool 3	N/A
1231110L2-E20	20	Nickel	Teflon	75	Ace-tool 2	N/A
1231110L2-E21	21	Nickel	Teflon	75	Ace-tool 2	N/A
1231110L2-E22	22	Nickel	Teflon	75	Ace-tool 3	N/A
1231110L2-E23	23	Nickel	Teflon	75	55AR0052	N/A



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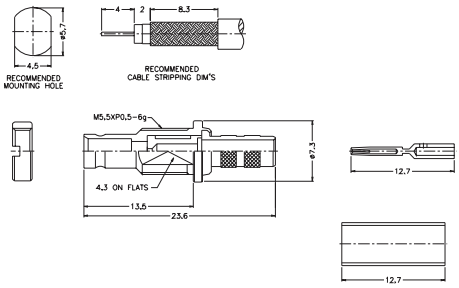
Bulkhead Jack Attachment for Flexible Cable

Straight Bulkhead Crimp Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236421A1-E06	6	Nickel	Teflon	75	Ace-tool 1	6**
1236421A1-E16	16	Nickel	Teflon	75	Ace-tool 3	5
1236421A1-E16A	16A	Nickel	Teflon	75	Ace-tool 3	5***
1236421A1-E20	20	Nickel	Teflon	75	Ace-tool 2	5
1236421A1-E21	21	Nickel	Teflon	75	Ace-tool 7	6
1236421A1-E22	22	Nickel	Teflon	75	Ace-tool 3	5
1236421A1-E23	23	Nickel	Teflon	75	55AR0052	6
1236421A1-E24	24	Nickel	Teflon	75	Ace-tool 2	6

*crimp instruction inner contact, locator adjust to:

**(RG179 or RG187 to 3),(RA 8000 to 1)
***(BT3002 to 3)



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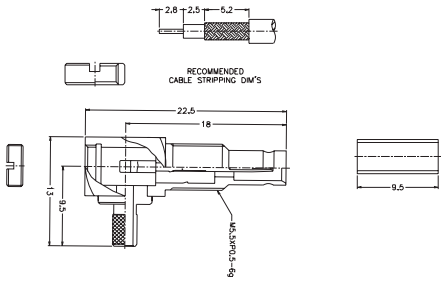
Right Angled Bulkhead Solder Crimp Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236412A1-E06	6	Nickel	Teflon	75	Ace-tool 1	N/A
1236412A1-E16	16	Nickel	Teflon	75	Ace-tool 3	N/A
1236412A1-E16A	16A	Nickel	Teflon	75	Ace-tool 3	N/A
1236412A1-E20	20	Nickel	Teflon	75	Ace-tool 2	N/A
1236412A1-E21	21	Nickel	Teflon	75	Ace-tool 2	N/A
1236412A1-E22	22	Nickel	Teflon	75	Ace-tool 3	N/A
1236412A1-E23	23	Nickel	Teflon	75	55AR0052	N/A
1236412A1-E24	24	Nickel	Teflon	75	Ace-tool 1	N/A



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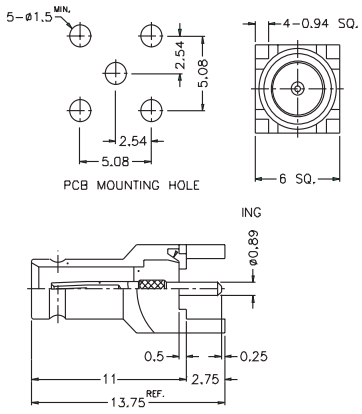
Printed Circuit Board Connectors

Straight PCB Receptacle

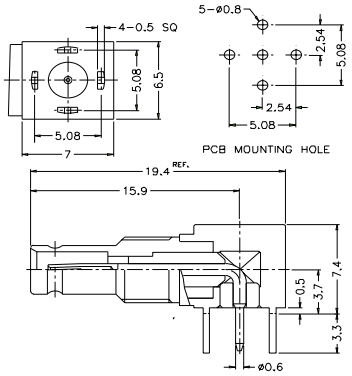
P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236251B1-ES1	N/A	Gold	Teflon	50	N/A	N/A
123625100-ES2	N/A	Gold	Teflon	75	N/A	N/A



Note: 1. I.D. to meet VSWR and contact resistance when mated with 0.48/0.52 mm dia. Pin.

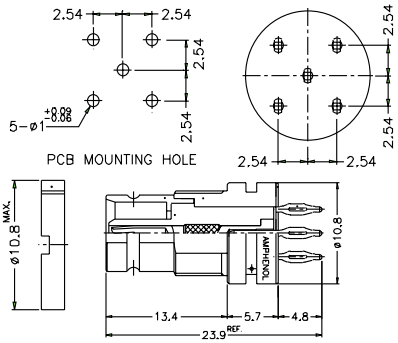
Right Angled PCB Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236252AF-ER1	N/A	Gold	Teflon	50	N/A	N/A
1236252AF-ER2	N/A	Gold	Teflon	50	N/A	N/A



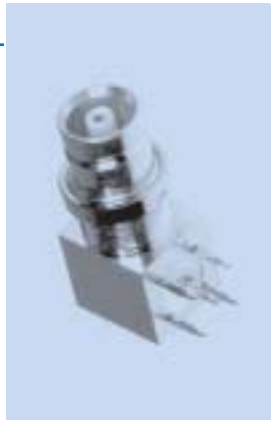
Straight Press-Fit Jack

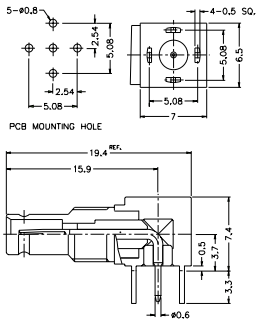
P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236251PF-ES1	N/A	Gold	Telfon	50	N/A	N/A
1236251PF-ES2	N/A	Gold	Telfon	50	N/A	N/A
1236251PF-ES3	N/A	Gold	Telfon	50	N/A	N/A



Rigth Angled Press-Fit Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1236252PF-ER1	N/A	Gold	Telfon	50	N/A	N/A

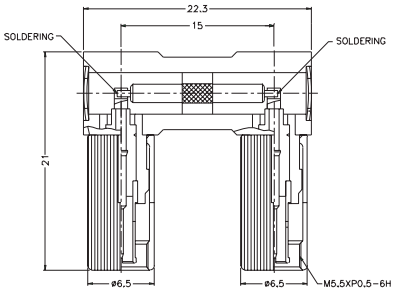




In-Series Adapters

U-link

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1232076A1-P15	N/A	Nickel	Teflon	50	N/A	N/A



The Amphenol 1.6/5.6 connectors feature a snap-on mating face, which allows easy connection and disconnection.
This 75 ohm miniature connector series is ideal for use in the telecommunication industry.

For crimping the inner contact please use our Standard tool M22520/2-01 and Locator AC-POSITIONER K41.

Electrical Specifications

Impedance	75 Ω
Frequency Range	0 - 1 GHz
VSWR	Straight Type ≤1.23 Right angled Type ≤1.5 Receptacles, etc N/A
Working Voltage	≤330 Vrms max at sea level
Dielectric Withstanding Voltage	>1000 Vrms at sea level
Contact Resistance	Center Contact: ≤4 mΩ Outer Contact: ≤2 mΩ
Insulation Resistance	≥1000 MΩ

Material Specifications

Body	Brass per QQ-B-626; Gold or Nickel
Contact	Male Brass per QQ-B-626; Gold Female Beryllium Copper per QQ-C-530; Gold Outer Contacts Beryllium Copper per QQ-C-530; Gold
Insulator	PTFE per MIL-P-19468
Ferrule	Copper; Nickel

* Other plating finish available upon request

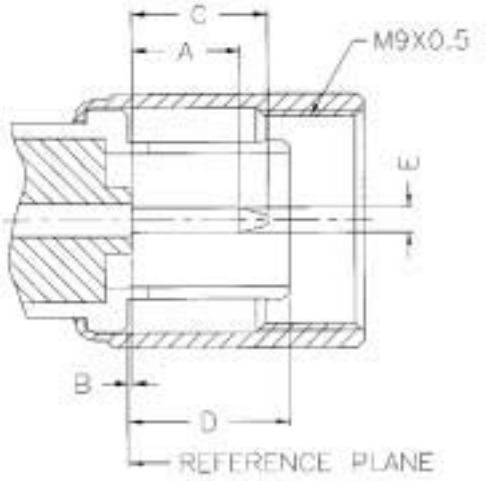
Mechanical Specifications

Contact Captivitation	>6 lbs (>27 N) axial force
Durability	≥500 mating cycles
Cable Retention	
Small Size Cables	>15 lbs (>60N) eg: RG179U
Larger Size Cables	>35 lbs (>150N) eg: BT3002

Environmental Specifications

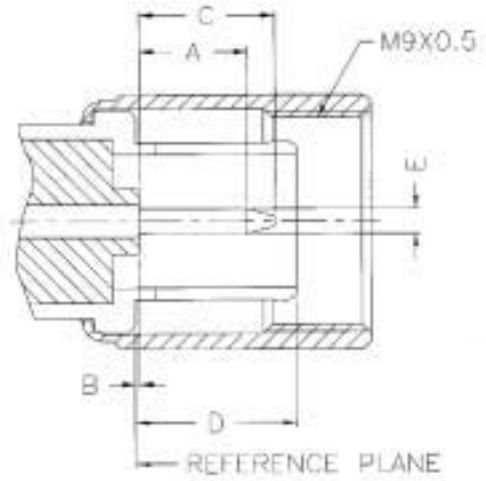
Temperature	-40C ~ +125C
Moisture Resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101 - Condition B
Vibration	MIL-STD-202, Method 204 - Condition A

Interface mating dimensions



Plug

Letter	Millimeters [inches]	
	Minimum	Maximum
A	3.90 [.154]	4.30 [.169]
B	-	0.15 [.006]
C	-	5.50 [.217]
D	-	6.60 [.260]
E	1.00 [.039]	1.06 [.042]



Jack

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	8.10 [.319]	8.25 [.325]
B	6.60 [.260]	6.69 [.263]
C	-	2.80 [.110]
D	0.25 [.010]	-
E	6.70 [.264]	-
F	7.00 [.276]	7.50 [.295]
G	9.70 [.382]	-

Note: 1. I.D. to meet VSWR and contact resistance when mated with 1.0/1.06 mm dia. Pin.

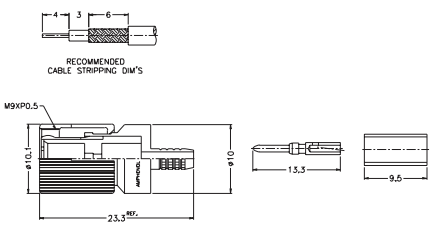
Plug Crimp Attachment for Flexible Cable

Straight Screw Plug Full Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1561121AF-E06	6	Nickel	Teflon	75	Ace-tool 1	5
1561121AF-E16	16	Nickel	Teflon	75	Ace-tool 3	5
1561121AF-E16A	16A	Nickel	Teflon	75	Ace-tool 3	5**
1561121AF-E20	20	Nickel	Teflon	75	Ace-tool 2	5
1561121AF-E21	21	Nickel	Teflon	75	Ace-tool 2	6
1561121A1-E22	22	Nickel	Teflon	75	Ace-tool 3	5
1561121A1-E23	23	Nickel	Teflon	75	55AR0052	6
1561121AF-E24	24	Nickel	Teflon	75	Ace-tool 1	6
1561121AF-E25	25	Nickel	Teflon	75	Ace-tool 7	6

*crimp instruction inner contact, locator adjust to:

**(BT3002 to 3)



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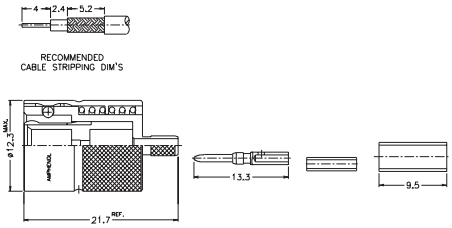
Push Pull Straight Plug Full Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1561121L1-E06	6	Nickel	Teflon	75	Ace-tool 1	5
1561121LF-E16	16	Nickel	Teflon	75	Ace-tool 3	5
1561121LF-E16A	16A	Nickel	Teflon	75	Ace-tool 3	5**
1561121LF-E20	20	Nickel	Teflon	75	Ace-tool 2	5
1561121LF-E21	21	Nickel	Teflon	75	Ace-tool 2	6
1561121L1-E22	22	Nickel	Teflon	75	Ace-tool 3	5
1561121L1-E23	23	Nickel	Teflon	75	55AR0052	6
1561121LF-E24	24	Nickel	Teflon	75	Ace-tool 1	6
1561121L1-E25	25	Nickel	Teflon	75	Ace-tool 7	6

*crimp instruction inner contact, locator adjust to:

**(BT3002 to 3)



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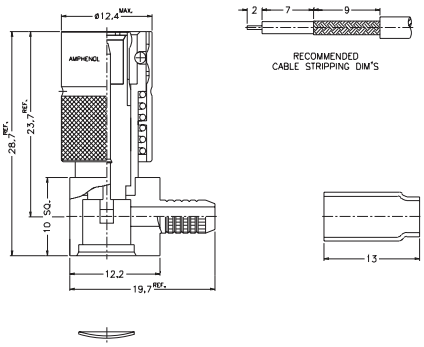
Push Pull Right Angled Plug Solder Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1561112L2-E06	6	Nickel	Teflon	75	Ace-tool 1	N/A
1561112L1-E16	16	Nickel	Teflon	75	Ace-tool 3	N/A
1561112L1-E16A	16A	Nickel	Teflon	75	Ace-tool 3	N/A
1561112L1-E20	20	Nickel	Teflon	75	Ace-tool 2	N/A
1561112L1-E21	21	Nickel	Teflon	75	Ace-tool 2	N/A
1561112L2-E22	22	Nickel	Teflon	75	Ace-tool 3	N/A
1561112L1-E23	23	Nickel	Teflon	75	55AR0052	N/A
1561112L2-E24	24	Nickel	Teflon	75	Ace-tool 1	N/A
1561112L1-E25	25	Nickel	Teflon	75	Ace-tool 7	N/A



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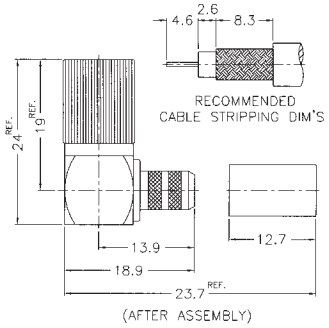
Right Angle Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1561112A1-N/3GT3G-6-75	06	Gold	Teflon	75	1
1561112A1-N/3GT3G-3-75	03	Gold	Teflon	75	4



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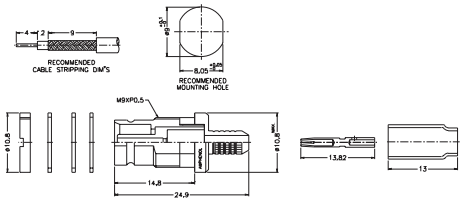
Bulkhead Jack Crimp Attachment for Flexible Cable

Bulkhead Receptacle Jack Full Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact *
1566421AF-E06	6	Gold	Teflon	75	Ace-tool 1	5
1566421AF-E16	16	Gold	Teflon	75	Ace-tool 3	5
1566421AF-E16A	16A	Gold	Teflon	75	Ace-tool 3	5**
1566421AF-E20	20	Gold	Teflon	75	Ace-tool 2	5
1566421AF-E21	21	Gold	Teflon	75	Ace-tool 7	6
1566421AF-E22	22	Gold	Teflon	75	Ace-tool 3	5
1566421A1-E23	23	Gold	Teflon	75	55AR0052	6
1566421AF-E24	24	Gold	Teflon	75	Ace-tool 1	6
1566421AF-E25	25	Gold	Teflon	75	Ace-tool 7	6

*crimp instruction inner contact, locator adjust to:
**(BT3002 to 3)



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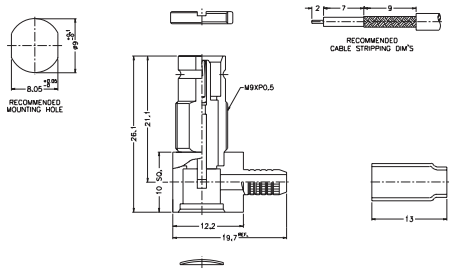
Bulkhead Right Angled Receptacle Solder Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1566412AF-E06	6	Nickel	Teflon	75	Ace-tool 1	N/A
1566412A1-E16	16	Nickel	Teflon	75	Ace-tool 3	N/A
1566412AF-E16A	16A	Nickel	Teflon	75	Ace-tool 3	N/A
1566412A1-E20	20	Nickel	Teflon	75	Ace-tool 2	N/A
1566412AF-E21	21	Nickel	Teflon	75	Ace-tool 7	N/A
1566412A1-E22	22	Nickel	Teflon	75	Ace-tool 3	N/A
1566412A1-E23	23	Nickel	Teflon	75	55AR0052	N/A
1566412A1-E24	24	Nickel	Teflon	75	Ace-tool 1	N/A
1566412A1-E25	25	Nickel	Teflon	75	Ace-tool 7	N/A



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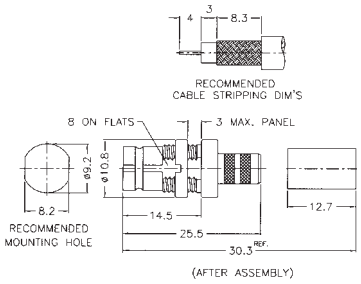
Straight Bulkhead Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1566421A1-N/3GT3G-6-75	06	Gold	Teflon	75	1
1566421A1-N/3GT3G-3-75	03	Gold	Teflon	75	4



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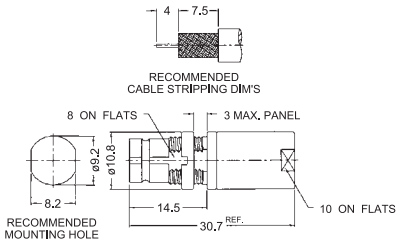
Jack Bulkhead Clamp Attachment for Flexible Cable

Straight Bulkhead Clamp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1566441A1-N/3GT3G-6-75	06	Gold	Teflon	75	N/A
1566441A1-N/3GT3G-3-75	03	Gold	Teflon	75	N/A



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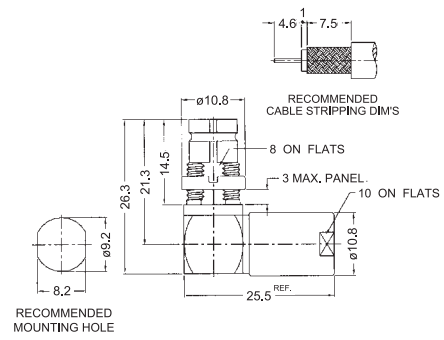
Right Angle Bulkhead Clamp jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1566442A1-N/3GT3G-6-75	06	Gold	Teflon	75	N/A
1566442A1-N/3GT3G-3-75	03	Gold	Teflon	75	N/A



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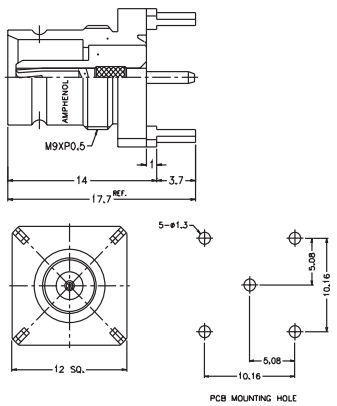
Printed Circuit Board Connectors

Straight PCB Receptacle

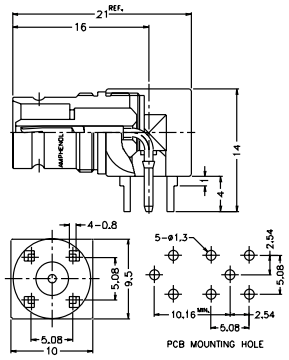
P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1566251AF-ES1	N/A	Gold	Teflon	75	N/A	N/A
1566251M1-ES2	N/A	Gold	Teflon	75	N/A	N/A
1566251AF-ES3	N/A	Gold	Teflon	75	N/A	N/A



Printed Circuit Board Connectors

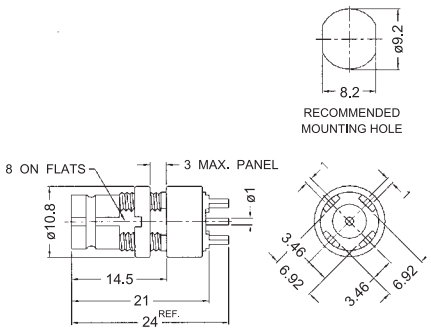
Right Angled PCB Receptacle

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1566252AF-ER1	N/A	Gold	Teflon	75	N/A	N/A
1566252AF-ER2	N/A	Gold	Teflon	75	N/A	N/A



Straight Bulkhead Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1566251M1-N/3GT3G-75	N/A	Gold	Teflon	75	N/A



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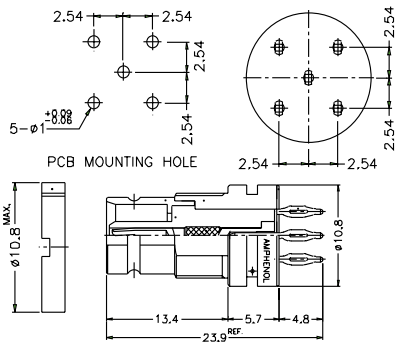
Straight Press fit jack

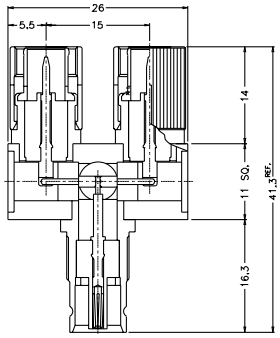
P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1566251PF-ES1	N/A	Gold	Teflon	75	N/A	N/A
1566251PF-ES2	N/A	Gold	Teflon	75	N/A	N/A
1566251PF-ES3	N/A	Gold	Teflon	75	N/A	N/A
1566251PF-ES4	N/A	Gold	Teflon	75	N/A	N/A



In-Series Adapters

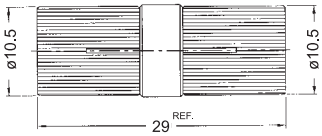
Adapters / U-Link

P.N.	Cable Group	Plt.	Ins.	Imp.	Tool Ferrule	Tool inner contact*
1562076A2-P15	N/A	Nickel	Teflon	75	N/A	N/A
1564077A3-P15	N/A	Nickel	Teflon	75	N/A	N/A
1562076A2-P30	N/A	Nickel	Teflon	75	N/A	N/A



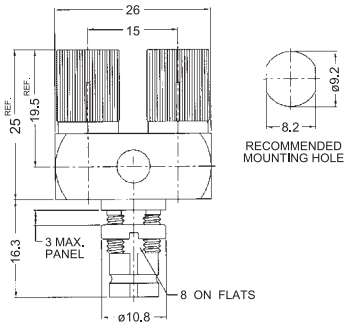
Plug-to-Plug Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1562071A1-N/3GT3G-75	N/A	Gold	Teflon	75	N/A



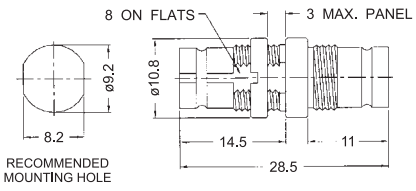
Plug-to-Jack-to-Plug 'Y' Link Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1564077A1-N/3GT3G-75	N/A	Gold	Teflon	75	N/A



Jack-to-Jack Bulkhead Adapter

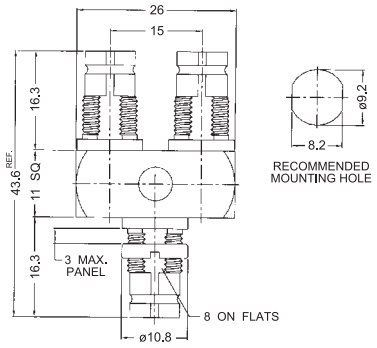
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1567471A1-N/3GT3G-75	N/A	Gold	Teflon	75	N/A



In-Series Adapters

Jack-to-Jack-to-Jack 'Y' Link Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
1568077A1-N/3GT3G-75	N/A	Gold	Teflon	75	N/A



Amphenol's 456 Series of RF connectors provides capacitive decoupling between the connector body and the mounting panel. EMI on the coaxial shield is shunted to the chassis ground through capacitors, while not affecting the DC and power supply frequencies. This reduces ground loop problems and provides a mechanism to harmlessy dissipate ESD to chassis ground.
The RF parameters of these connectors are the same as their non-filtered counterparts.
Filtering does non affect the signal contact, but only the shell-to-ground connection.
Capacitively decoupled RF-connectors are intermateable and interchangeable with standard non-filtered versions

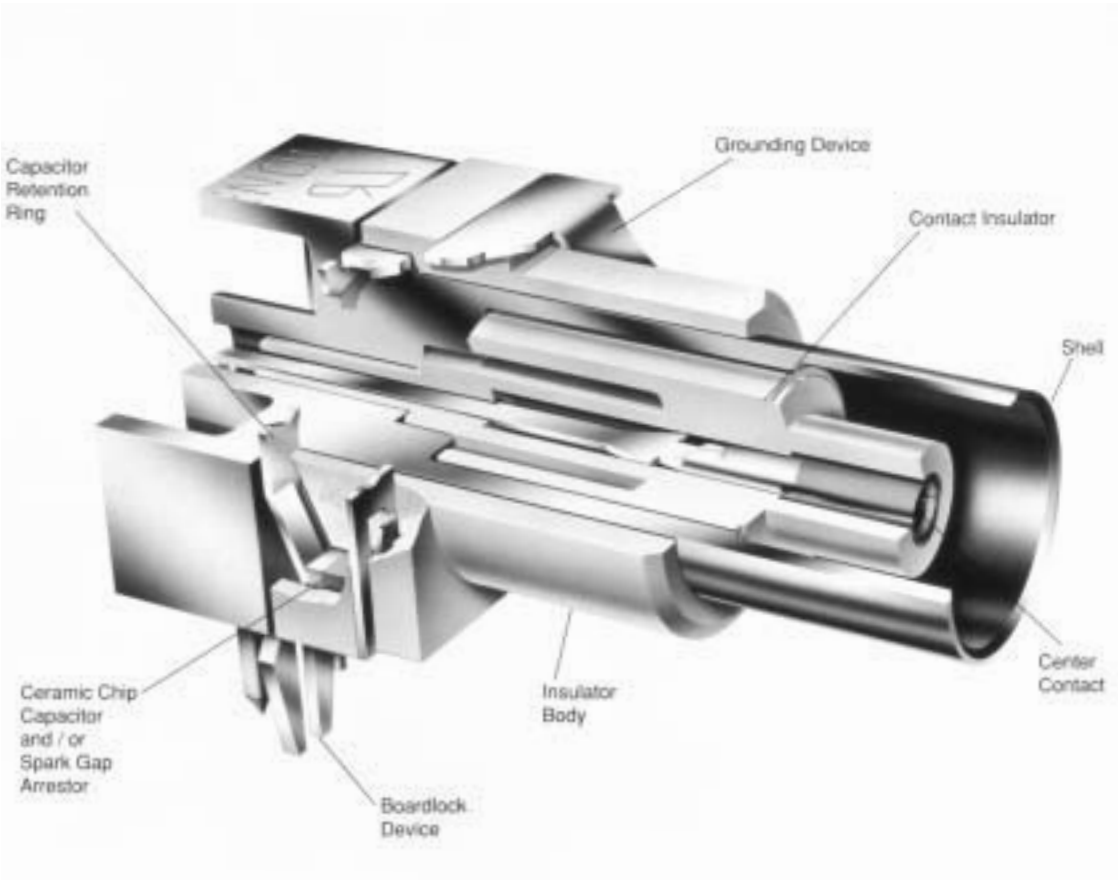
Electrical Specifications

Capacitance	10.000 pF	
Volting rating	200VDC	
Dielectric withstanding voltage	600 VDC (1000 VDC for rear Mount)	
Filter insurtion loss (dB)	1 MHZ	4
(per Mil-STD-220	5 MHZ	16
@25 C and no load)	10 MHZ	18
	30 MHZ	25
	50 MHZ	30
	1000 MHZ	30
	Other capacitance values are available. Consult Amphenol.	

Mechanical Specifications

Parts Name		Material	Finish
Center	Male	Brass	Gold plated
	Female	Beryllium Copper	Gold plated
Metal parts		Brass	Nickel
Insulators		Noryl or Teflon	None
UL File #	E135615		
CSA File #	LR68598		

Filtered Coaxial Connectors



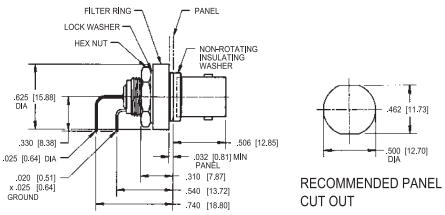
Printed Circuit Board Connectors

Right Angle P.C. Board Front Mount BNC Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-107	N/A	Nickel	Teflon	75	N/A

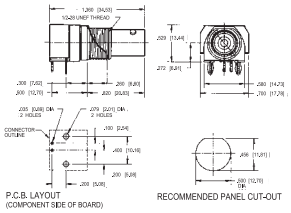
Front mount BNC packaging consist of connector, insulating washer, filter ring, lock washer and hex nut.

Remark: Consult Amphenol for 50 Ohm version.



Right Angle P.C. Board Rear mount BNC Jack

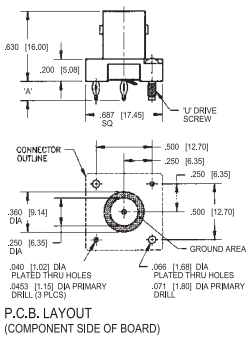
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-117 Filtered (10.000 pF)	N/A	Nickel	Teflon	50	N/A
456-717 Filtered (10.000 pF)	N/A	Nickel	Teflon	75	N/A
456-117S Filtered (5000 pF), 1000V Spark gap	N/A	Nickel	Teflon	50	N/A
456-717S Filtered (5000 pF), 1000V Spark gap	N/A	Nickel	Teflon	75	N/A
456-117F Filtered (5000 pF), 1000V Spark Gap, 1M	N/A	Nickel Resistor	Teflon	50	N/A
456-717F Filtered (5000 pF), 1000V Spark Gap, 1M	N/A	Nickel Resistor	Teflon	75	N/A
456-117G Grounded	N/A	Nickel	Teflon	50	N/A
456-717G Grounded	N/A	Nickel	Teflon	50	N/A
456-117NF Non-Filtered, Panel Insulated (no ground spring)	N/A	Nickel	Teflon	50	N/A
456-717NF Non-Filtered, Panel Insulated (no ground spring)	N/A	Nickel	Teflon	75	N/A



Straight P.C. Board Mount BNC Jack

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-107A Filtered, Board Thickness 3.18mm (.125), "A" 4.32mm (.170)	N/A	Nickel	Teflon	75	N/A
456-107ANF Non-Filtered, Board Thickness 3.18mm (.125), "A" 4.32mm (.170)	N/A	Nickel	Teflon	75	N/A
456-107B Filtered, Board Thickness 5.08mm (.200), "A" 6.48mm (.255)	N/A	Nickel	Teflon	75	N/A
456-107BNF Non-Filtered, Board thickness 5.08mm (.200), "A" 6.48mm (6.48)	N/A	Nickel	Teflon	75	N/A

Remark: Consult Amphenol for 50 Ohm version.

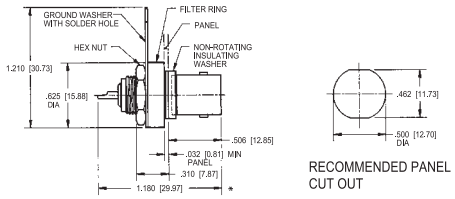


Bulkhead Jack Attachment for Flexible Cable

Bulkhead Receptacle Jack - Front Mount - Solder Cup

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-107SG	N/A	Nickel	Teflon	50	N/A
456-107TG	N/A	Nickel	Teflon	75	N/A

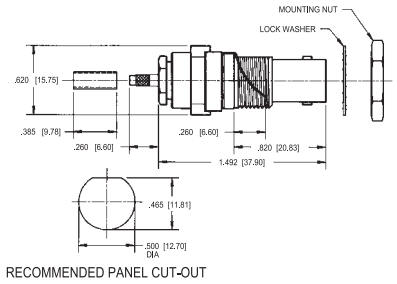
Front Mount BNC packaging consist of connector, insulator, insulating washer, filter ring, ground washer and hex nut.



Bulkhead receptacle BNC Jack - Rear Mount - Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-208 Filtered (10.000 pF)	06	Nickel	Teflon	50	2
456-218 Filtered (10.000 pF)	06	Nickel	Teflon	75	2
456-208G Grounded	06	Nickel	Teflon	50	2
456-218G Grounded	06	Nickel	Teflon	75	2

Remark: Also available with Spark gap and / or resistor.
Other Cable Sizes Available.

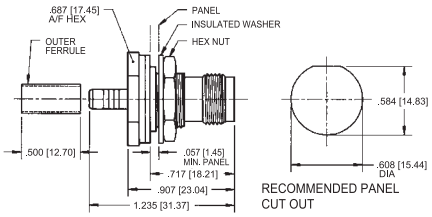


Bulkhead Receptacle TNC Jack - rear Mount - Crimp

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-102 Filtered (10.000pF)	01	Nickel	Teflon	50	3 or 4

Packaging consist of connector, mounting hardware, panel insulator, crimp ferrule and heat shrink tubing.

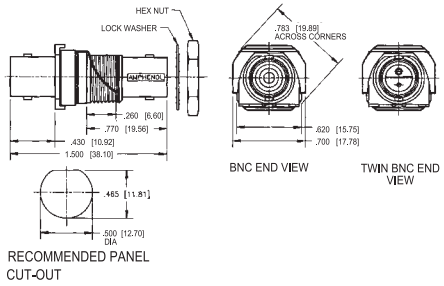
Remark: Consult Amphenol for 75 Ohm version.



In-Series Adapters

Jack-to-Jack BNC Adapter

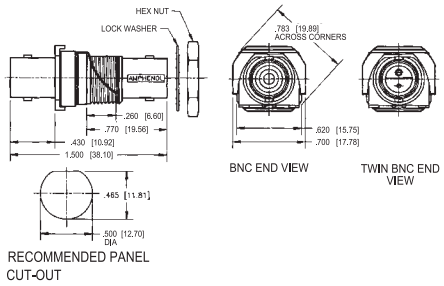
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-915 Filtered (10.000 pF)	N/A	Nickel	Teflon	50	N/A
456-917 Filtered (10.000 pF)	N/A	Nickel	Teflon	75	N/A



RECOMMENDED PANEL CUT-OUT

Jack-to-Jack Twin BNC Adapter

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
456-920 Filtered (10.000 pF)	N/A	Nickel	Teflon		N/A



RECOMMENDED PANEL CUT-OUT

Note:

Amphenol SSMB Serie is a 4 Ghz interconnect family for high frequency devices.
The connectors use a snap-on connection and when plugged held together by a groove and tongue arrangement.
The design permits quick connection and disconnection in small spaces.

Electrical Specifications

Impedance	50 ohm
Frequency Range	0-4 GHz
Working Voltage	RG- 178, RG- 316, .85": 250 VRMS max. at sea level
Dielectric Withstanding Voltage	RG-178, RG-316, .85": 500 VRMS min. at sea level
VSWR	Straight 1.3 max. Right Angle 1.5 max.
Contact Resistance	Center Contact: 6 Milliohms max. Outer Contact: 2.5 Milliohms max.
Insulator Resistance	1000 Megohms min.

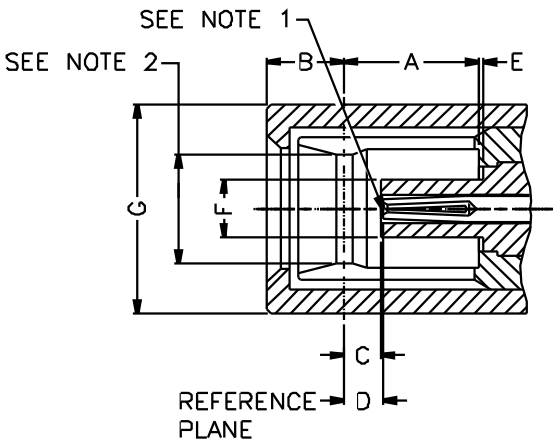
Material Specifications

Parts Name		Material	Finish
Body, Metal Parts		Brass per QQ-B-626	Nickel or Gold per requirement
Outer Contact Of Plug		Beryllium copper, per QQ-C-530	Gold plated
Center Contacts	Male	Brass per QQ-B-626	Gold plated
	Female	Beryllium copper, per QQ-C-530	Gold plated
Insulators		PTFE	None
Crimp Ferrules		Annealed copper	Nickel or Gold per requirement

Mechanical Specifications

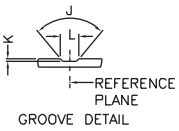
Engagement Force	6 lbs. Max.
Disengagement Force	2 lbs. min.
Contact Retention	2 lbs. min.
Durability (Mating)	500 cycles min.

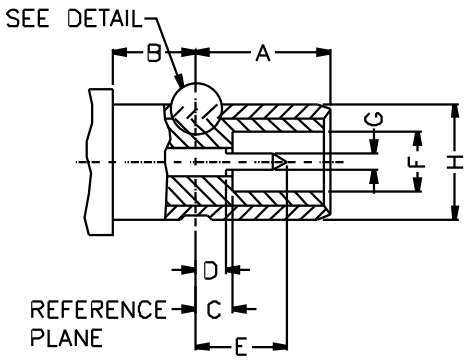
Interface mating dimensions



Plug

Letter	Millimeters	
	Minimum	Maximum
A	3.10	-
B	-	1.78
C	0.84	-
D	0.84	-
E	0.00	-
F	-	1.34
G	-	4.82





Jack

Letter	Millimeters	
	Minimum	Maximum
A	-	3.10
B	1.91	-
C	-	0.84
D	-	0.84
E	2.10	-
F	1.37	-
G	0.35	0.38
H	-	2.67
J	89 degrees	91 degrees
K	0.05	0.15
L	0.71	0.74

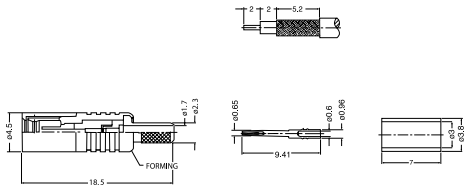
Note: 1. I.D. to meet VSWR and contact resistance when mated with 0.35/0.38 mm dia. Pin.
2. Must meet the force to engage/disengage requirement when mated with its mating part.

Crimp Attachment for Flexible Cable

Straight Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB6121A1-3GT30G-5-50	05	Gold	Teflon	50	1

Note: Female center contact

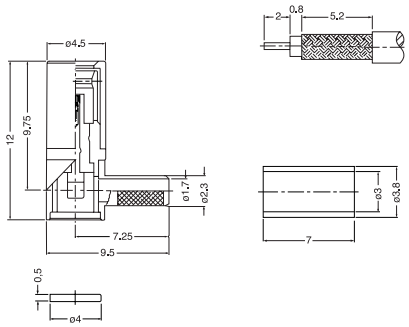


Assembly Instruction J - page 232

Right Angle Crimp Plug - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB6112A1-N/3GT30G-5-50	05	Nickel	Teflon	50	1

Note: Female center contact

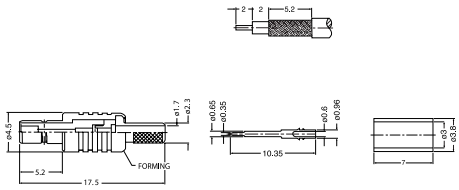


Assembly Instruction I - page 231

Straight Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB1121A1-3GT30G-5-50	05	Gold	Teflon	50	1

Note: Male center contact

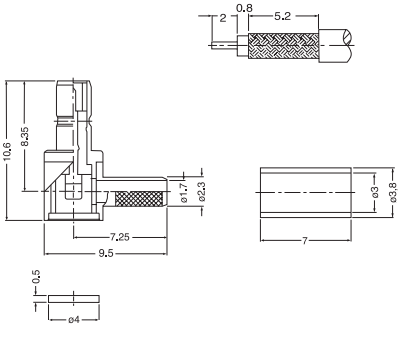


Assembly Instruction J - page 232

Right Angle crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB1112A1-N/3GT30G-5-50	05	Nickel	Teflon	50	1

Note: Male center contact

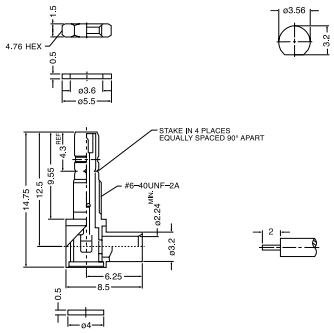


Assembly Instruction I - page 231

Jack Crimp Attachment for Flexible Cable and Direct Solder for Semi-Rigid Cable

Direct Solder Jack - Semi-Rigid Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB1482A1-3GT30G-11-50	11	Gold	Teflon	50	N/A

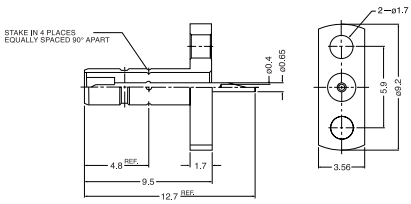


Note: Male center contact

Assembly Instruction F - page 228

Panel Mount Solder Receptacle Jack

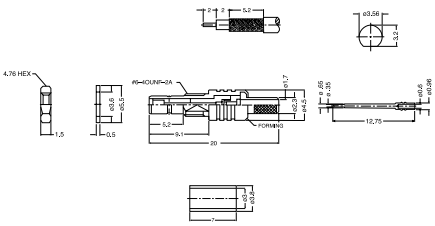
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB1551B1-3GT30G	N/A	Gold	Teflon	50	N/A



Note: Male center contact

Bulkhead Crimp Jack - Miniature Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SSMB1421A1-3GT30G-5-50	05	Gold	Teflon	50	1



Note: Male center contact

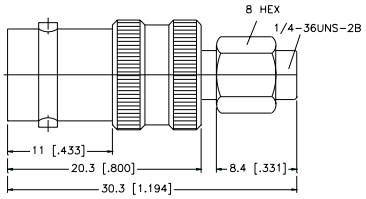
Assembly Instruction J - page 232

Amphenol Between Series Adapters are used to join two connectors of different series. They are designed to offer the lowest VSWR rating of the two series involved. Here is a listing of all adapters shown in this section. In-series adapters can be found at the end of each series listed.

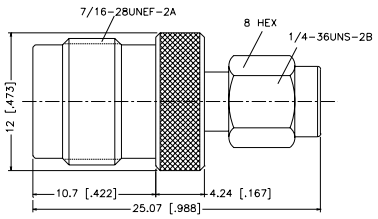
Description	P.N.	page
SMA Plug to BNC Jack	SMAM-BF-NT3G-50	208
SMA Jack to BNC Plug	SMAF-BM-3GT3G-50	208
SMA Jack to BNC Jack	SMAF-BF3-NT3G-50	208
SMA Plug to BNC Plug	SMAM-BM-NT3G-50	208
SMA Plug to TNC Jack	SMAM-TF-NT3G-50	208
SMA Jack to TNC Plug	SMAF-TM-NT3G-50	208
SMA Plug to TNC Plug	SMAM-TM-NT3G-50	208
SMA Jack to TNC Jack	SMAF-TF-NT3G-50	208
SMA Plug to SMB Plug	SMAM-SMBM1-3GT50G-50	209
SMA Jack to SMB Plug	SMAF-SMBF1-3GT50G-50	209
SMA Plug to SMB Jack	SMAM-SMBF-3GT50G-50	209
SMA Jack to SMB Plug	SMAF-SMBM1-3GT50G-50	209
N Jack to SMA Plug	NF-SMAM-NT3G-50	209
N Plug to SMA Jack	NM-SMAF-NT3G-50	209
N Plug to SMA Plug	NM-SMAM-NT3G-50	209
N Jack to SMA Jack	NF-SMAF-NT3G-50	209
N Jack to SMA Jack	NF-SMAF2-NT3G-50	210
SMA Plug to UHF Jack	SMAM-UF-NT3G-50	210
SMA Jack to UHF Plug	SMAF-UM-NT3G-50	210
SMA Plug to UHF Plug	SMAM-UM-NT3G-50	210
SMA Jack to UHF Jack	SMAF-UF-NT3G-50	210
SMA Plug to MINI-UHF Jack	SMAM-MUF-NT3G-50	210
SMA Jack to MINI-UHF Plug	SMAF-MUM-NT3G-50	210
SMA Plug to MINI UHF Plug	SMAM-MUM-NT3G-50	210
SMA Jack to MINI-UHF Jack	SMAF-MUF-NT3G-50	211
SMA Plug to MCX Jack	SMAM-MCXF1-3GT50G-50	211
SMA Jack to MCX Plug	SMAF-MCXM1-3GT50G-50	211
SMA Plug to MCX Plug	SMAM-MCXM1-3GT50G-50	211
SMA Jack to MCX Jack	SMAF-MCXF1-3GT50G-50	211
SMA Plug to MMCX Jack	SMAM-MMCXF1-3GT50G-50	211
SMA Jack to MMCX Plug	SMAF-MMCXM1-3GT50G-50	211
SMA Jack (reversed) to MMCX Plug	RSMAM-MMCXM-3GT50G-50	211
SMA Plug to MMCX Plug	SMAM-MMCXM1-3GT50G-50	212
SMA Jack to MMCX Jack	SMAF-MMCXF1-NT3G-50	212
N Plug to BNC Jack	0S-7324-NDG	212
N Jack to BNC Plug	NF-BM-NT3G-50	212
N Jack to BNC Jack	NF-BF-NT3G-50	212
N Plug to BNC Plug	OS-7051-NDG	212
N Plug to TNC Jack	OS-7328-NDG	212
N Jack to TNC Plug	NF-TM-NT3G-50	212
N Jack to TNC Jack	OS-7334-NTN	213
N Plug to TNC Plug	NM-TM1-NT3G-50	213
N Jack to TNC Female	NF-TF2-NT3G-50	213
N Jack to F Jack	OS-7249-NDG	213
N Jack to F Plug	NF-FM2-NT3G-75	213
N Plug to 7/16 Jack	NM -716F-120STS-50	213
N Jack to 7/16 Plug	NF -716M-120STS-50	213
N Jack to 7/16 Jack	NF -716F-120STS-50	213
N Plug to 7/16 Plug	NM -716M-120STS-50	214
N Plug to UHF Jack	OS-7330-NDG	214
BNC Plug to SMB Jack	BM-SMBF-3GT3G-50	214
BNC Plug to SMB Plug	BM-SMBM-NT3G-50	214
BNC Plug to TNC Jack	BM-TF1-NT3G-50	214
BNC Jack to TNC Plug	BF-TM-NT3G-50	214
BNC Jack to TNC Jack	BF-TF1-NT3G-50	214
BNC Plug to TNC Plug	BM-TM1-NT3G-50	214
BNC Plug to UHF Jack	OS-7060-NDG	215
BNC Plug to F Jack	OS-7050-NDG	215
BNC Plug to UHF Plug	OS-7059-NDG	215
MINI-UHF Plug to UHF Jack	OS-7610-NDG	215
Bulkhead Right Angle TNC Female to MCX Female Adapter	TF-L-MCXF-NT3G-50	215
Nipple Plug to BNC Plug	BM-FMEM-NDS-50	215
Nipple Plug to BNC Plug	TM-FMEM-NDS-50	215
Right Angle Adapter - Nipple Plug to BNC Plug	BM-L-FMEM-NT3G-50	215
Right Angle Adapter - Nipple Plug to TNC Plug	TM-L-FMEM-NT3G-50	216
Nipple Plug to Mini - UHF Plug	FMEM-MUM-NDS-50	216
Nipple Plug to N Plug	FME2071N1-NTS-50	216
Nipple Plug to UHF Plug	FMEM-UM-NTS-50	216
Nipple Plug to SMA Jack	SMAF-FMEM-NT3G-50	216
Nipple Plug to SMA Plug	SMAM-FMEM-NT3G-50	216
Nipple Plug to MCX Plug	FMEM-MCXM-NT3G-50	216

Between Series Adapters

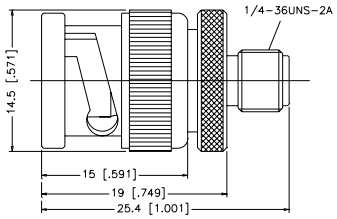
P.N.	Description
SMAM-BF-NT3G-50	SMA Plug to BNC Jack



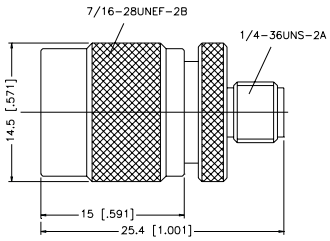
P.N.	Description
SMAM-TF-NT3G-50	SMA Plug to TNC Jack



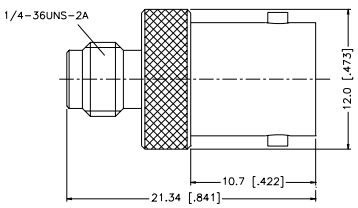
P.N.	Description
SMAF-BM-3GT3G-50	SMA Jack to BNC Plug



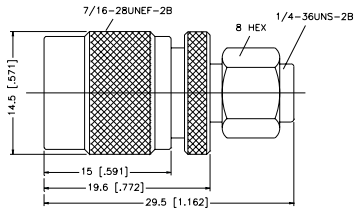
P.N.	Description
SMAF-TM-NT3G-50	SMA Jack to TNC Plug



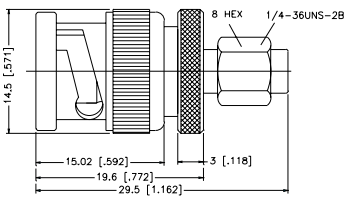
P.N.	Description
SMAF-BF3-NT3G-50	SMA Jack to BNC Jack



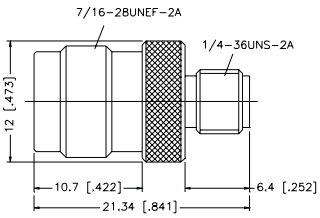
P.N.	Description
SMAM-TM-NT3G-50	SMA Plug to TNC Plug



P.N.	Description
SMAM-BM-NT3G-50	SMA Plug to BNC Plug

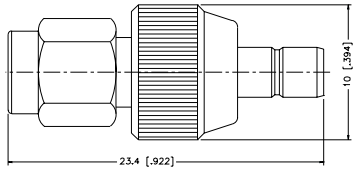


P.N.	Description
SMAF-TF-NT3G-50	SMA Jack to TNC Jack

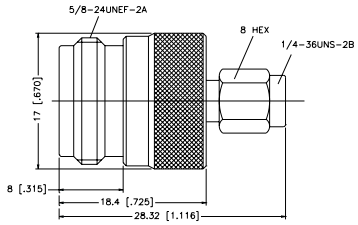


Between Series Adapters

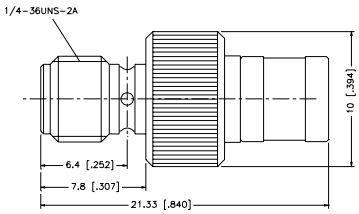
P.N.	Description
SMAM-SMBM1-3GT50G-50	SMA Plug to SMB Plug



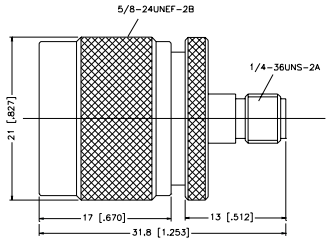
P.N.	Description
NF-SMAM-NT3G-50	N Jack to SMA Plug



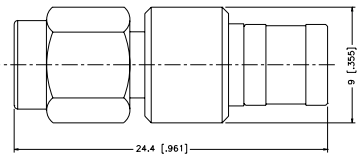
P.N.	Description
SMAF-SMBF1-3GT50G-50	SMA Jack to SMB Plug



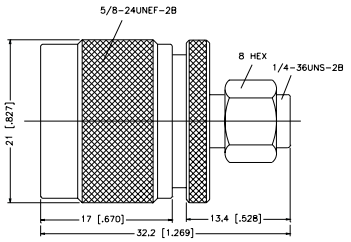
P.N.	Description
NM-SMAF-NT3G-50	N Plug to SMA Jack



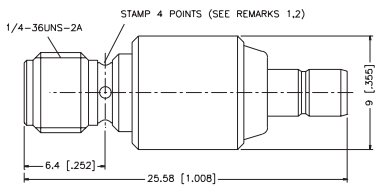
P.N.	Description
SMAM-SMBF-3GT50G-50	SMA Plug to SMB Jack



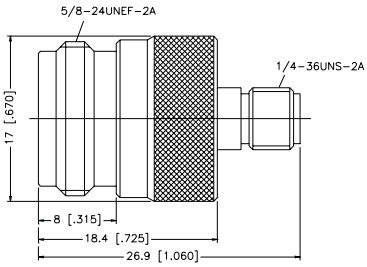
P.N.	Description
NM-SMAM-NT3G-50	N Plug to SMA Plug



P.N.	Description
SMAF-SMBM1-3GT50G-50	SMA Jack to SMB Plug

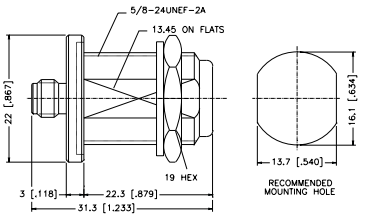


P.N.	Description
NF-SMAF-NT3G-50	N Jack to SMA Jack

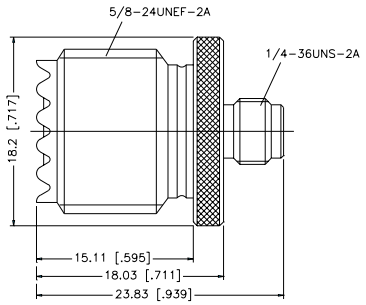


Between Series Adapters

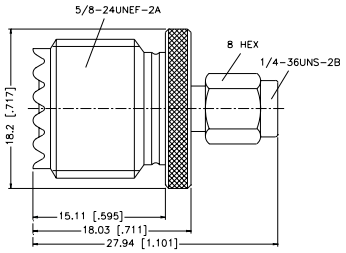
P.N.	Description
NF-SMAF2-NT3G-50	N Jack to SMA Jack



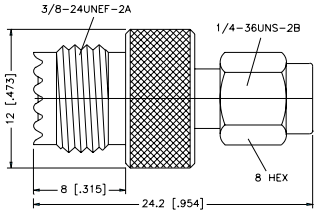
P.N.	Description
SMAF-UF-NT3G-50	SMA Jack to UHF Jack



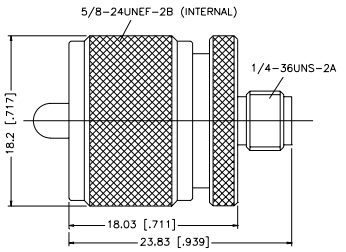
P.N.	Description
SMAM-UF-NT3G-50	SMA Plug to UHF Jack



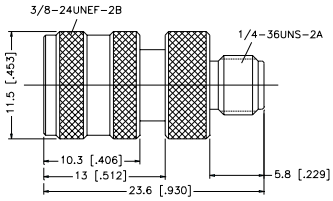
P.N.	Description
SMAM-MUF-NT3G-50	SMA Plug to MINI-UHF Jack



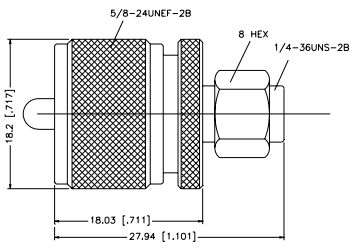
P.N.	Description
SMAF-UM-NT3G-50	SMA Jack to UHF Plug



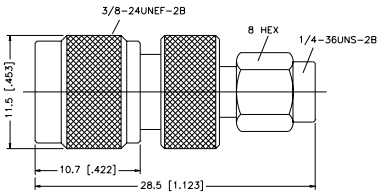
P.N.	Description
SMAF-MUM-NT3G-50	SMA Jack to MINI-UHF Plug



P.N.	Description
SMAM-UM-NT3G-50	SMA Plug to UHF Plug

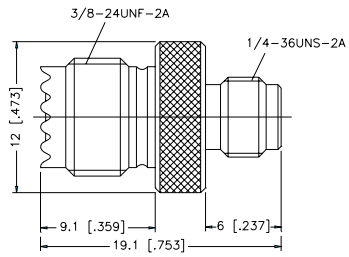


P.N.	Description
SMAM-MUM-NT3G-50	SMA Plug to MINI UHF Plug

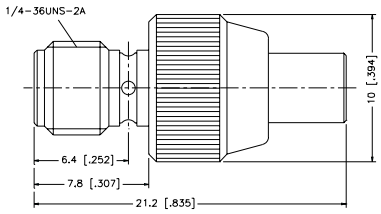


Between Series Adapters

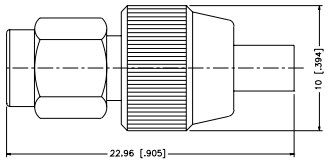
P.N.	Description
SMAF-MUF-NT3G-50	SMA Jack to MINI-UHF Jack



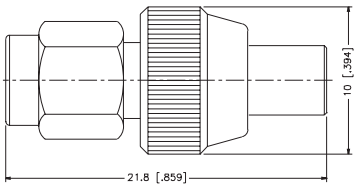
P.N.	Description
SMAF-MCXF1-3GT50G-50	SMA Jack to MCX Jack



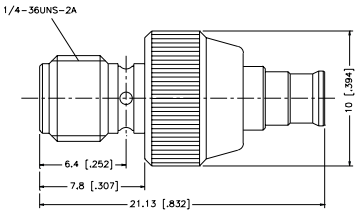
P.N.	Description
SMAM-MCXF1-3GT50G-50	SMA Plug to MCX Jack



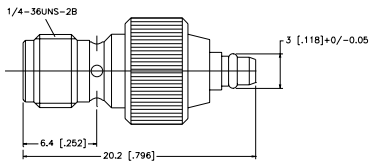
P.N.	Description
SMAM-MMCXF1-3GT50G-50	SMA Plug to MMCX Jack



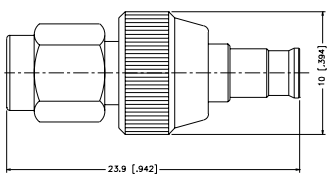
P.N.	Description
SMAF-MCXM1-3GT50G-50	SMA Jack to MCX Plug



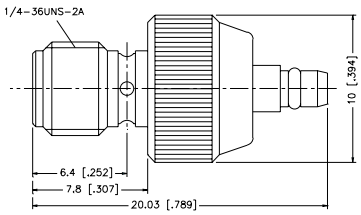
P.N.	Description
SMAF-MMCXM1-3GT50G-50	SMA Jack to MMCX Plug



P.N.	Description
SMAM-MCXM1-3GT50G-50	SMA Plug to MCX Plug

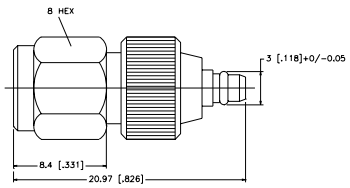


P.N.	Description
RSMAM-MMCXM-3GT50G-50	Reversed SMA Jack to MMCX Plug

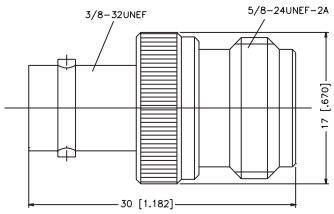


Between Series Adapters

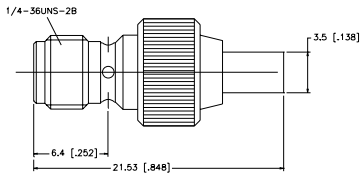
P.N.	Description
SMAM-MMCXM1-3GT50G-50	SMA Plug to MMCX Plug



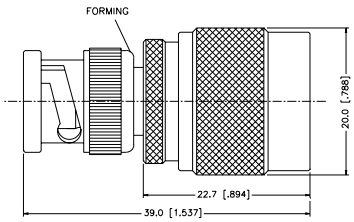
P.N.	Description
NF-BF-NT3G-50	N Jack to BNC Jack



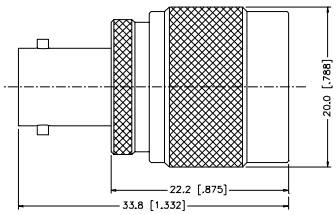
P.N.	Description
SMAF-MMCXF1-NT3G-50	SMA Jack to MMCX Jack



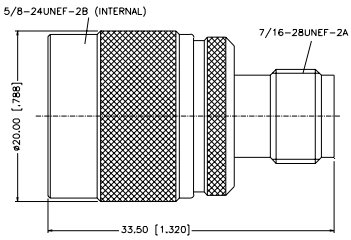
P.N.	Description
OS-7051-NDG	N Plug to BNC Plug



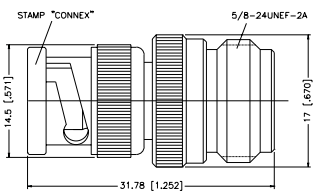
P.N.	Description
0S-7324-NDG	N Plug to BNC Jack



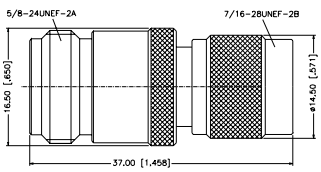
P.N.	Description
OS-7328-NDG	N Plug to TNC Jack



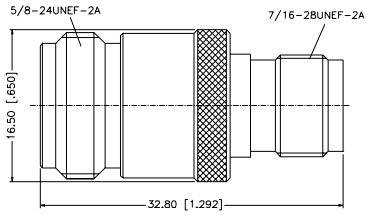
P.N.	Description
NF-BM-NT3G-50	N Jack to BNC Plug



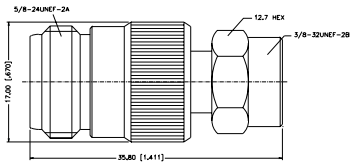
P.N.	Description
NF-TM-NT3G-50	N Jack to TNC Plug



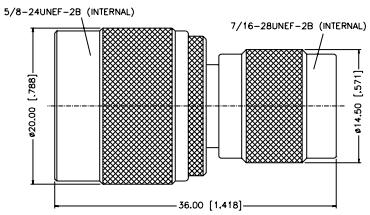
P.N.	Description
OS-7334-NTN	N Jack to TNC Jack



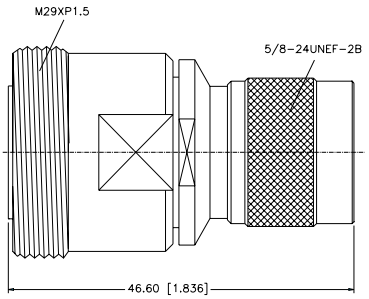
P.N.	Description
NF-FM2-NT3G-75	N Jack to F Plug



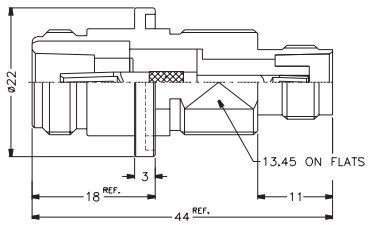
P.N.	Description
NM-TM1-NT3G-50	N Plug to TNC Jack



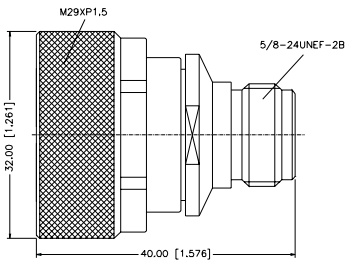
P.N.	Description
NM -716F-120STS-50	N Plug to 7/16 Jack



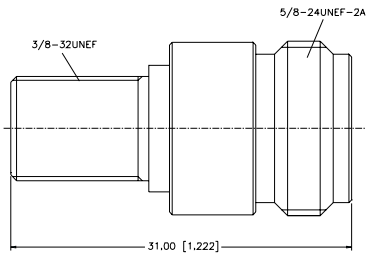
P.N.	Description
NF-TF2-NT3G-50	N Jack to TNC Female



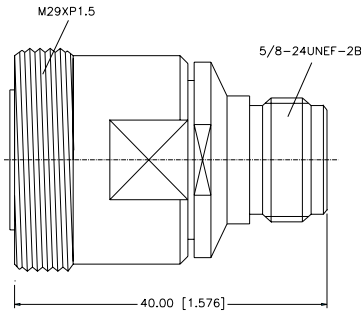
P.N.	Description
NF -716M-120STS-50	N Jack to 7/16 Plug



P.N.	Description
OS-7249-NDG	N Jack to F Jack

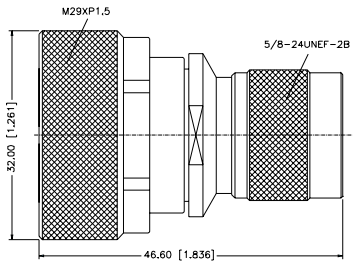


P.N.	Description
NF -716F-120STS-50	N Jack to 7/16 Jack

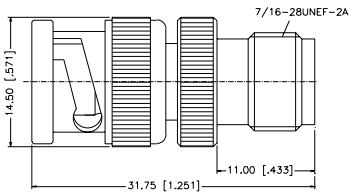


Between Series Adapters

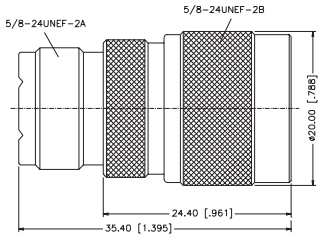
P.N.	Description
NM -716M-120STS-50	N Plug to 7/16 Plug



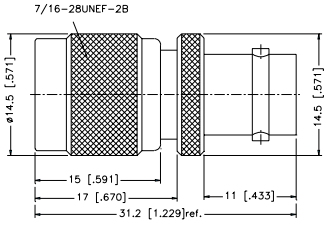
P.N.	Description
BM-TF1-NT3G-50	BNC Plug to TNC Jack



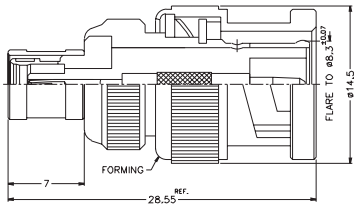
P.N.	Description
OS-7330-NDG	N Plug to UHF Jack



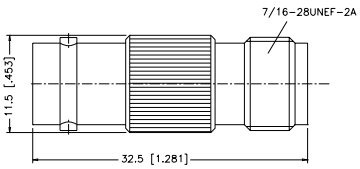
P.N.	Description
BF-TM-NT3G-50	BNC Jack to TNC Plug



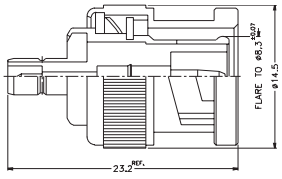
P.N.	Description
BM-SMBF-3GT3G-50	BNC Plug to SMB Jack



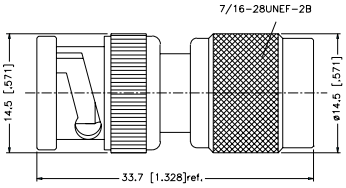
P.N.	Description
BF-TF1-NT3G-50	BNC Jack to TNC Jack



P.N.	Description
BM-SMBM-NT3G-50	BNC Plug to SMB Plug

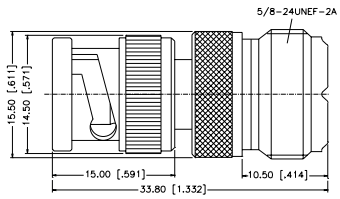


P.N.	Description
BM-TM1-NT3G-50	BNC Plug to TNC Plug

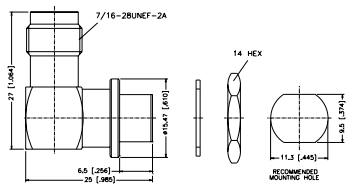


Between Series Adapters

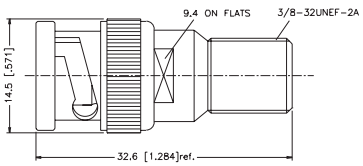
P.N.	Description
OS-7060-NDG	BNC Plug to UHF Jack



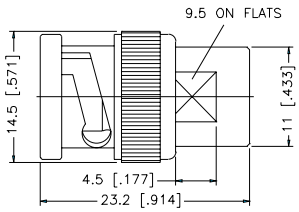
P.N.	Description
TF-L-MCXF-NT3G-50	Bulkhead Right Angle TNC Female to MCX Female Adapter



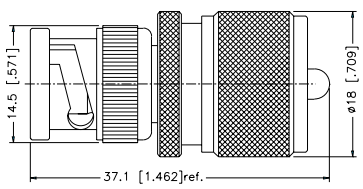
P.N.	Description
OS-7050-NDG	BNC Plug to F Jack



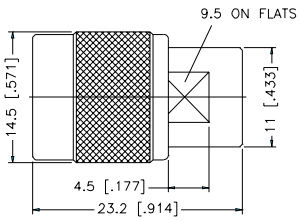
P.N.	Description
BM-FMEM-NDS-50	Nipple Plug to BNC Plug



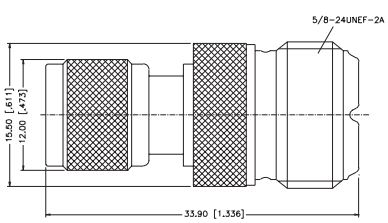
P.N.	Description
OS-7059-NDG	BNC Plug to UHF Plug



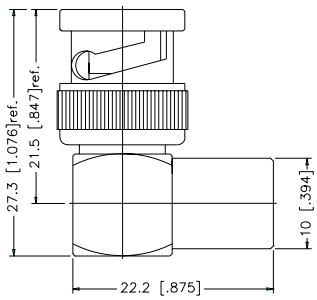
P.N.	Description
TM-FMEM-NDS-50	Nipple Plug to BNC Plug



P.N.	Description
OS-7610-NDG	MINI-UHF Plug to UHF Jack

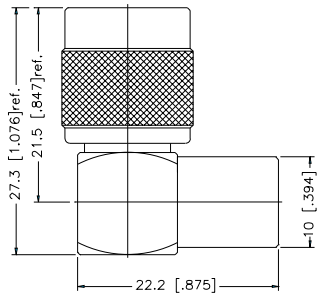


P.N.	Description
BM-L-FMEM-NT3G-50	Right Angle Adapter - Nipple Plug to BNC Plug

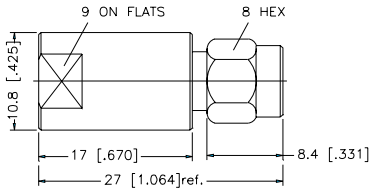


Between Series Adapters

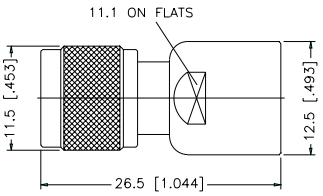
P.N.	Description
TM-L-FMEM-NT3G-50	Right Angle Adapter — Nipple Plug to TNC Plug



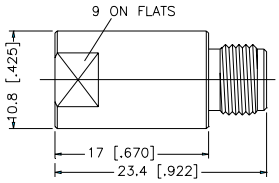
P.N.	Description
SMAF-FMEM-NT3G-50	Nipple Plug to SMA Jack



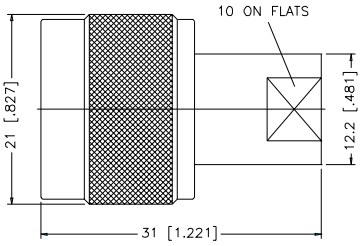
P.N.	Description
FMEM-MUM-NDS-50	Nipple Plug to Mini-UHF Plug



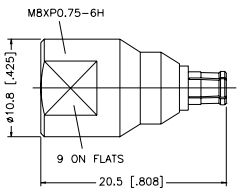
P.N.	Description
SMAM-FMEM-NT3G-50	Nipple Plug to SMA Plug



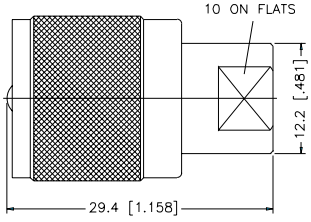
P.N.	Description
FME2071N1-NTS-50	Nipple Plug to N Plug



P.N.	Description
FMEM-MCXM-NT3G-50	Nipple Plug to MCX Plug



P.N.	Description
FMEM-UM-NTS-50	Nipple Plug to UHF Plug



Amphenol

BNC 75 Ω RECEPTACLES

Amphenol Australia have introduced a new line of BNC 75Ω receptacle connectors to complement their existing AC series XLR connector range. The BNC jack connector is offered in a rugged die-cast aluminum shell that provides protection for the flush mounted jack connector.

FEATURES

- *75Ω connector designed for broadcast, video and other applications which require impedance matched performance.*
- *Industry standard housing in Nickel or Black finish.*
- *Suitable for front or rear mounting.*
- *Bayonet lock or Push - Pull connection.*
- *Completely isolated from ground.*

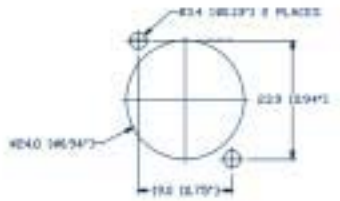
Audio

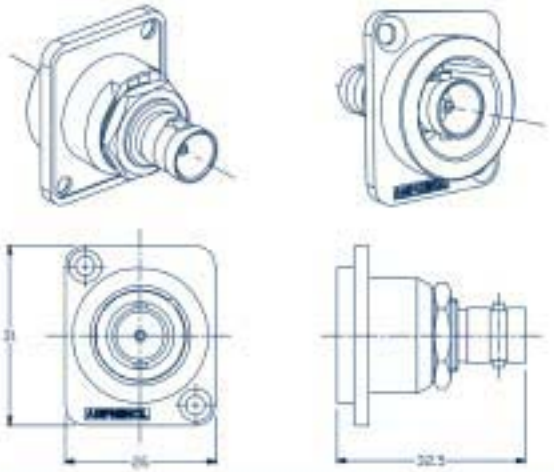
CONNECTORS

Amphenol

BNC 75 Ω RECEPTACLES

MECHANICAL





ELECTRICAL

Impedance	75 ohms
Frequency range	0 - 2 GHz
Voltage rating	500 VRMS
Dielectric withstanding voltage	1500 Volts for 1 minute
VSWR	1.3 max. 0-1 GHz
Contact resistance	Centre contact: 3mΩ max. Outer contact: 2mΩ max.
Measurement Current	10mA
Insulation resistance	5000MΩ min.
Test Voltage	DC 500V

MECHANICAL

	Material	Finish
Centre Contacts	Phosphor Bronze	Gold
Housing - BNC	Brass	Nickel
- XLR	Diecast Zinc Alloy	Satin Nickel / Black Polyester
Insulators	Teflon/Delrin	Natural

SPECIFICATION

AC-BNC-JJ-75

AC-BNC-PJ-75B

AC-BNC-PJ-75

AC-BNC-JJ-75B

ORDERING CODES

AC-BNC-XXX-75X

Connector front
J = Bayonet Lock
P = Push - Pull

Blank = Satin Nickel
B = Black

Connector rear
J = Bayonet Lock

Blank = XLR type panel housing
A = Isolated Adapter without housing

Example: AC-BNC-JJ-75B
75 Ohm Bayonet lock jack to Bayonet lock jack connector within a black XLR type housing.

SIDE VIEW

AC-BNC-PJA-75
AC-BNC-JJA-75

Amphenol offers full range of termination tooling to meet your special production requirements.
All tools meet the Amphenol stringent design and quality requirements.
Amphenol ACE series are sold as a handle with the die set included. Amphenol's tools provide a consistent and reliable crimp each and every time, thereby insuring the integrity of the connector termination.
The ACE tools are easy to operate, with low force and with one hand. The handles are ergonomical formed to insure comfortable crimping also with higher volumes.

Amphenol partnumber	Die size square mm	Die size hex mm
Ace-tool 1	0,70	2,03 2,54 2,67 3,10 3,25
Ace-tool 2	0,70	1,07 1,73 3,25 3,84
Ace-tool 3	0,70	1,07 1,73 4,52 5,41
Ace-tool 4	-	1,73 2,54 2,67 5,41 6,48
Ace-tool 5	-	1,73 8,10 8,23
Ace-tool 6	-	2,54 2,67 3,00 10,90
Ace-tool 7	1,09	1,09 4,52 6,48
Ace-tool 8	1,09 1,73	1,09 1,73 4,75 8,10
Ace-tool 9	-	1,73 3,25 4,52
55AR0001	-	5,18

Tools

Miniature Step Adjustable Crimp Tool

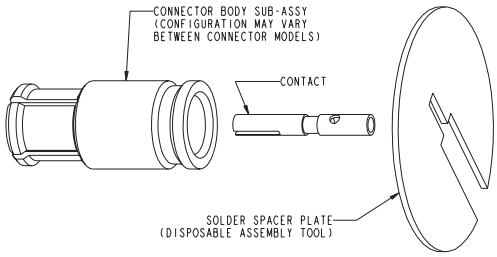
P.N.	Description
M22520/2-01	Hand tool
AC-POSITIONER K41	Positioner

Stripping Tool

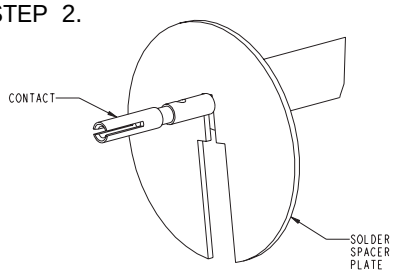
P.N.
ACE-STRIPPING TOOL 1
ACE-STRIPPING TOOL 1 BLADE

Ace-stripping tool 1 is a precision tool for removing the sheath from signal, telephone, audiovisual, instrumental and data transmission copper and fiber optic cables. The tool features a 10 position indexed blade height adjustment wheel ensuring accurate and repeatable stripping. It has an easy and safe replacement blade. Strip range 2,5 - 11 mm diameter.

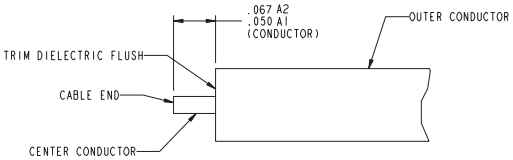
Solder



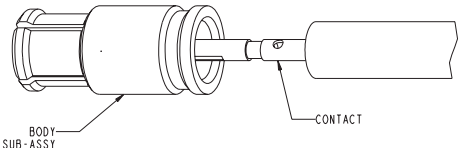
STEP 2.



STEP 1.



STEP 3.



Cable Assembly Instruction A1

STEP 1. Prepare cable as shown

STEP 2. Solder center contact to cable center conductor while maintaining .010 +/- .001 Gap.

STEP 3. A. Insert prepared cable and contact into body until cable bottoms internally
B. Solder outer conductor of cable to body of connector.
Verify interface dimensions of contact after assembly.
Contact to be flush to .010" below body surface per MIL-STD-348.
(solder fixure recommended)

Cable Assembly Instruction A2

STEP 1. Prepare cable as shown

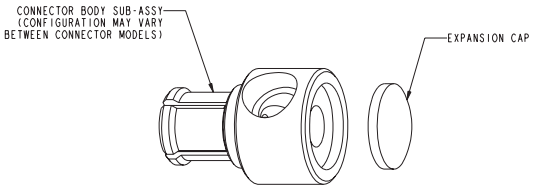
STEP 2. Solder center contact to cable center conductor while maintaining .022 +/- .001 Gap

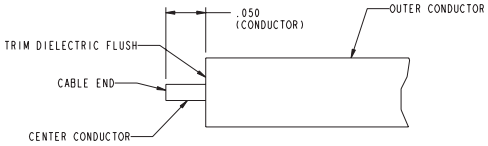
STEP 3. A. Insert prepared cable and contact into body until cable bottoms internally
B. Solder outer conductor of cable to body of connector.
Verify interface dimensions of contact after assembly. Contact to be flush to .022" below body surface per MIL-STD-348.
(solder fixure recommended)

Cable Assembly Instruction A3

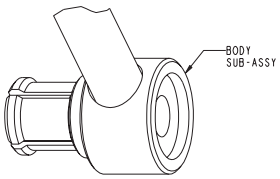
Solder

STEP 1.

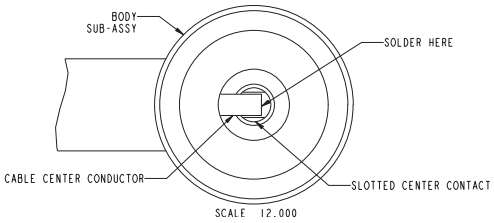




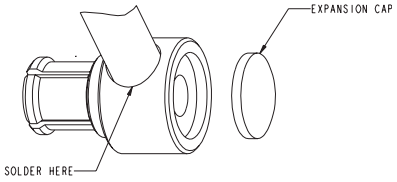
STEP 2.



STEP 3.



STEP 4.



STEP 1. Prepare cable as shown

STEP 2. Insert cable into body until cable bottoms internally.

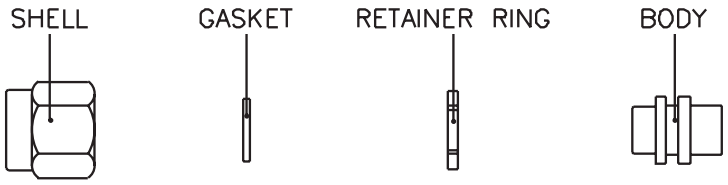
STEP 3. Solder slotted center contact to cable center conductor.

STEP 4. Solder outer conductor of cable to body of connector.
Depress expansion cap into body to close access hole

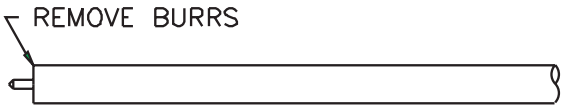
.

Solder (Semi-Rigid)

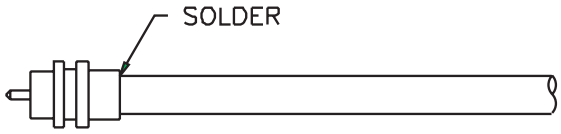
STEP 1.



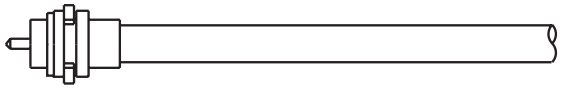
STEP 2.



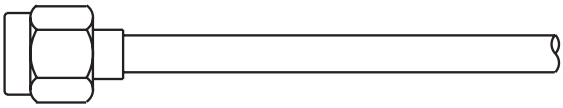
STEP 3.



STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Solder the BODY to cable as shown.
(Avoid excessive heat which may distort dielectric).

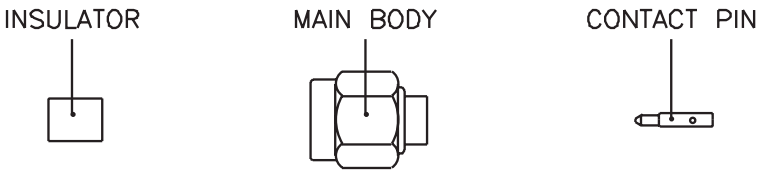
STEP 4. Place the RETAINER RING in the groove of BODY, and put the GASKET in the position as shown.

STEP 5. Compress the BODY assembly and assemble the SHELL as shown.

Cable Assembly Instruction B

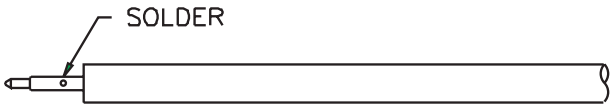
Solder (Semi-Rigid)

STEP 1.

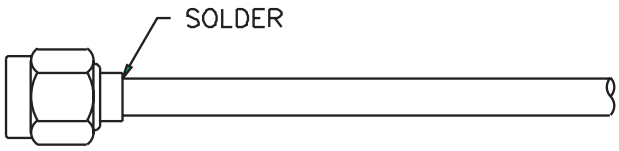


STEP 2.

STEP 3.



STEP 4.



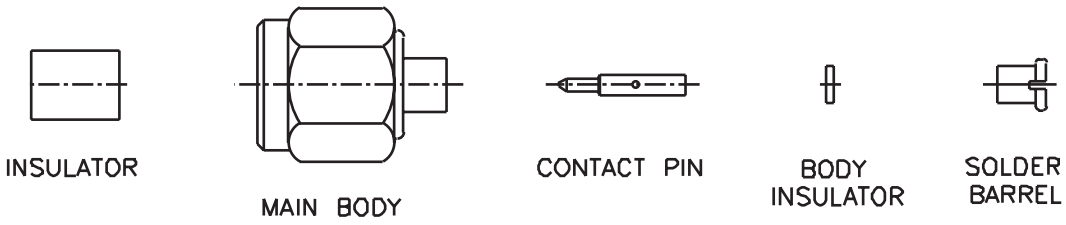
STEP 1. All parts of the connector are shown.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Insert inner conductor into the CONTACT PIN and solder it as shown.

STEP 4. Solder the MAIN BODY to cable as shown.
(Avoid excessive heat which may distort dielectric).
Then press the INSULATOR into the MAIN BODY until it stops.

Solder (.047 Semi-Rigid)



STEP 1. All parts of the connector are shown.

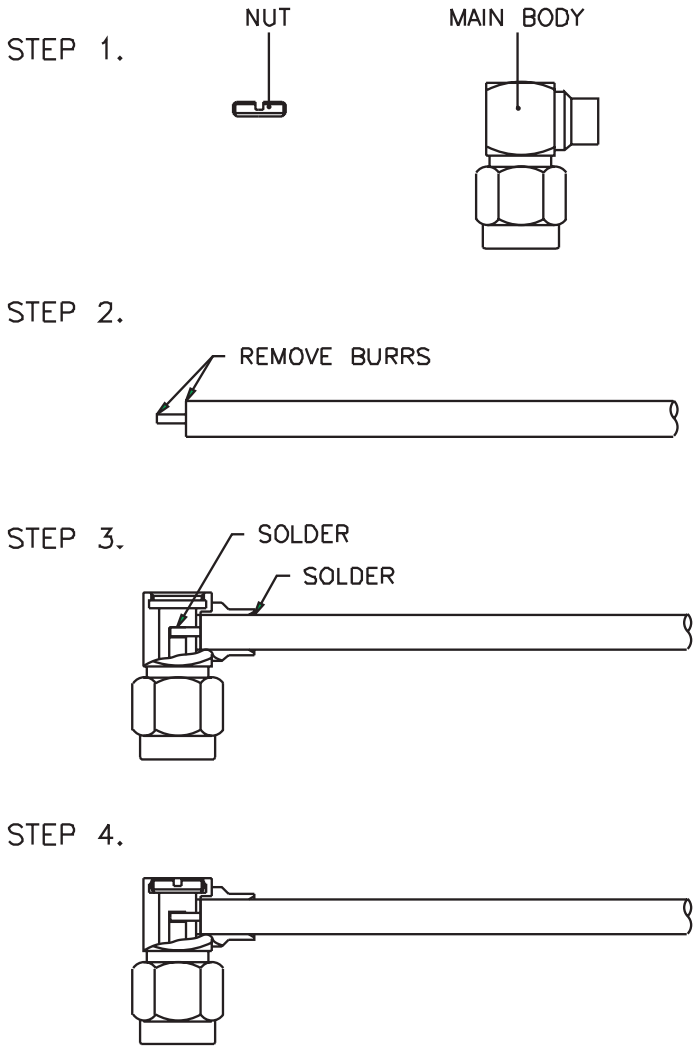
STEP 2. Strip cable as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Insert SOLDER BARREL, BODY INSULATOR and center CONTACT PIN onto cable.

STEP 4. Assemble cable into connector body and solder barrel onto main connector body.
(Avoid excessive heat which may distort dielectric).

Cable Assembly Instruction D

Solder (Semi-Rigid)



STEP 1. All parts of the connector are shown.

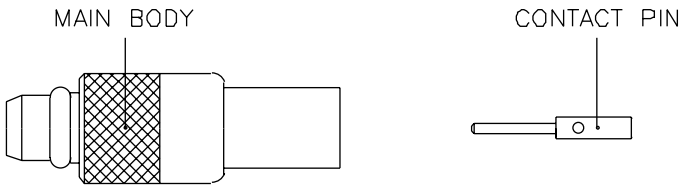
STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Solder inner conductor to the contact pin of MAIN BODY, and solder cable jacket to the MAIN BODY as shown.

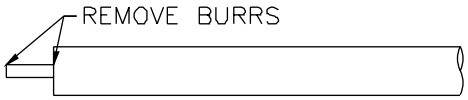
STEP 4. Screw the NUT into the MAIN BODY until it stops.

Solder (Semi-Rigid)

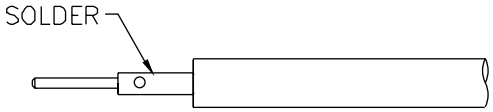
STEP 1.



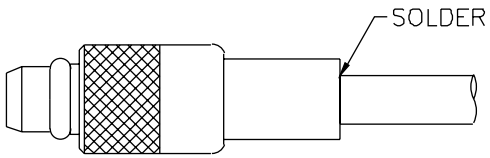
STEP 2.



STEP 3.



STEP 4.



STEP 1. All parts of the connector are shown.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

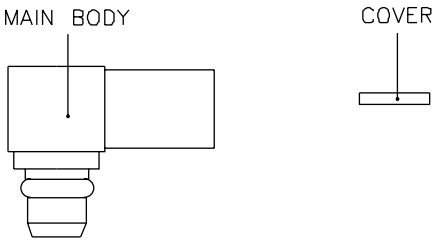
STEP 3. Insert inner conductor into the CONTACT PIN and solder it as shown.

STEP 4. Solder the MAIN BODY to cable as shown.

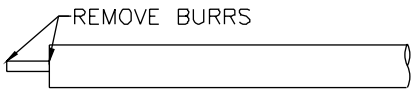
Cable Assembly Instruction F

Solder (Semi-Rigid)

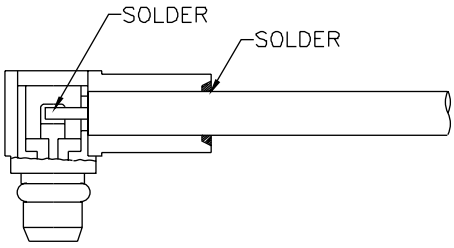
STEP 1.



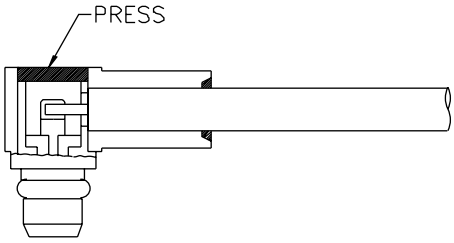
STEP 2.



STEP 3.



STEP 4.



STEP 1. All parts of the connector are shown.

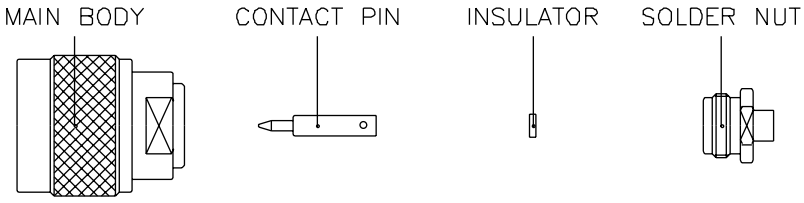
STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Solder inner conductor to the contact pin of MAIN BODY, and solder cable jacket to the MAIN BODY as shown.

STEP 4. Press the COVER into the MAIN BODY until it is flat with the MAIN BODY.

Solder (Semi-Rigid)

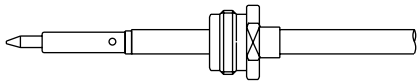
STEP 1.



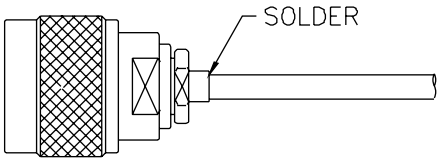
STEP 2.

STEP 3.

STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

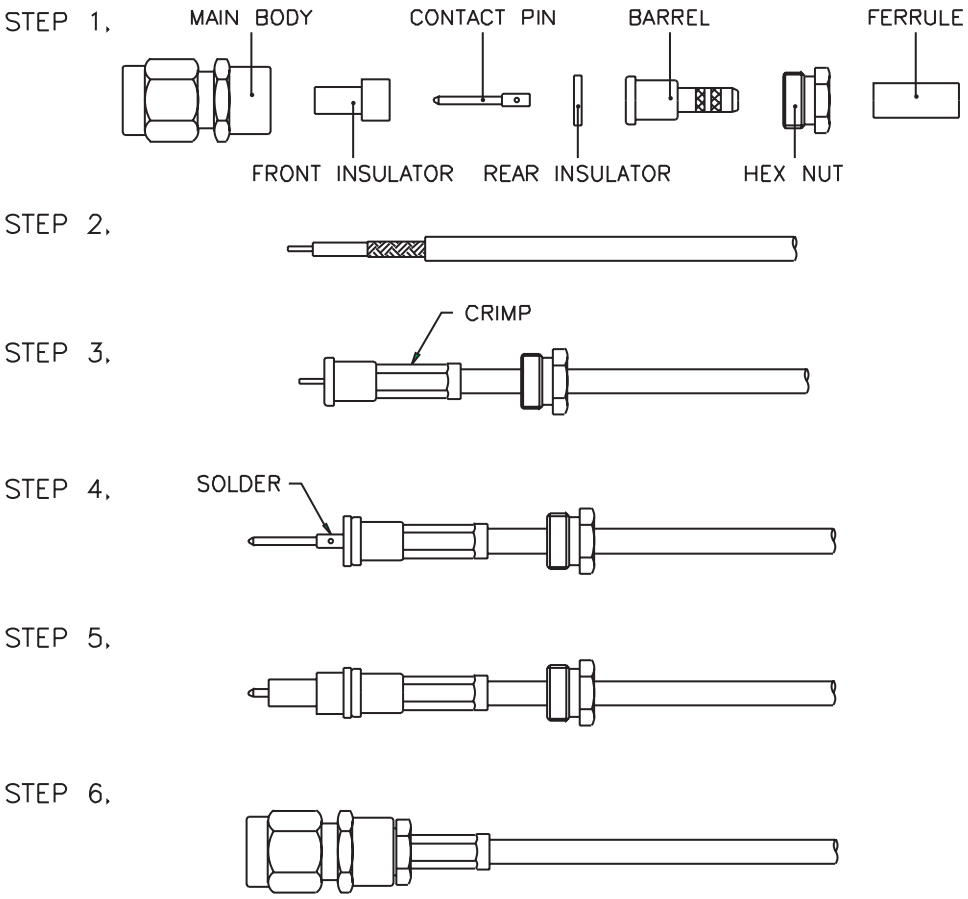
STEP 3. Slide the INSULATOR onto inner conductor against the jacket. Then insert inner conductor into the CONTACT PIN and solder it as shown.

STEP 4. Slide the SOLDER NUT onto cable.

STEP 5. Insert cable and parts into MAIN BODY, then screw the SOLDER NUT until it is tight and solder it as shown.

Cable Assembly Instruction H

Solder-crimp



STEP 1. All parts of the connector are shown.

STEP 2. Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

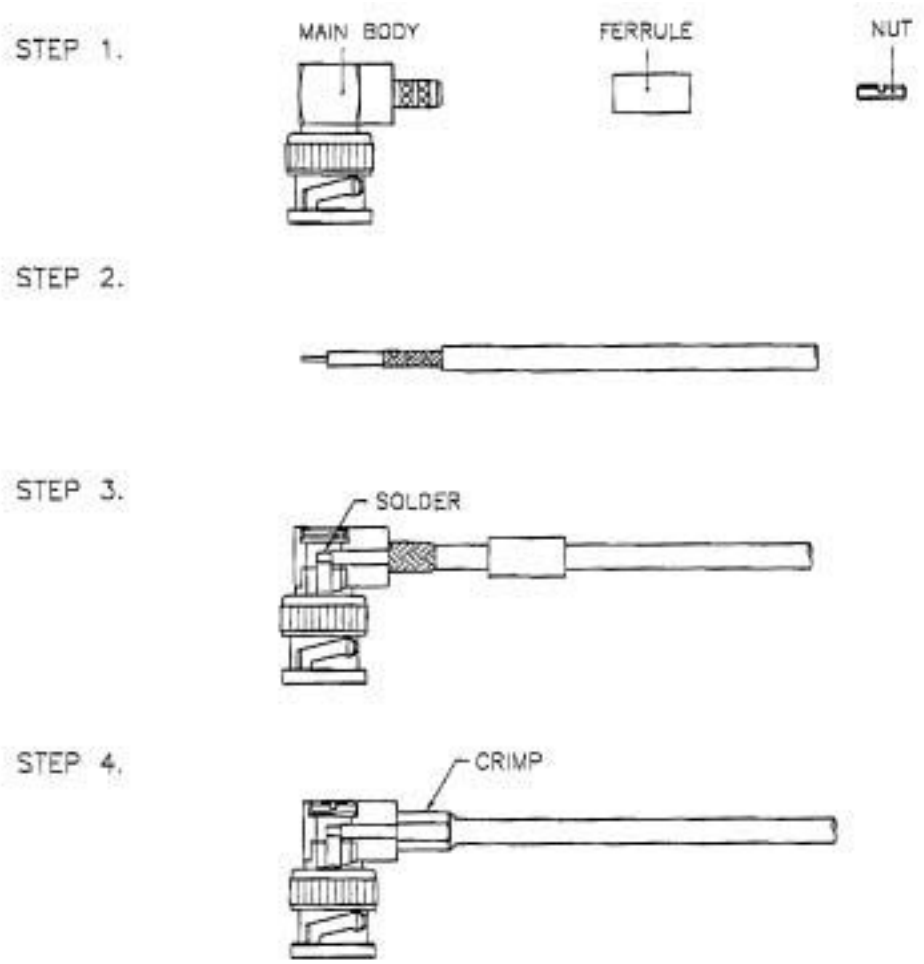
STEP 3. Slide the HEX NUT and FERRULE onto cable.
Then insert the BARREL into braid and dielectric, and slide the FERRULE over braid and crimp it as shown.

STEP 4. Slide the REAR INSULATOR against the BARREL.
Then insert inner conductor into the CONTACT PIN and solder it as shown.

STEP 5. Slide the FRONT INSULATOR against the REAR INSULATOR.

STEP 6. Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tight.

Solder-crimp



STEP 1. All parts of the connector are shown.
A crimp tool is necessary to complete the termination.

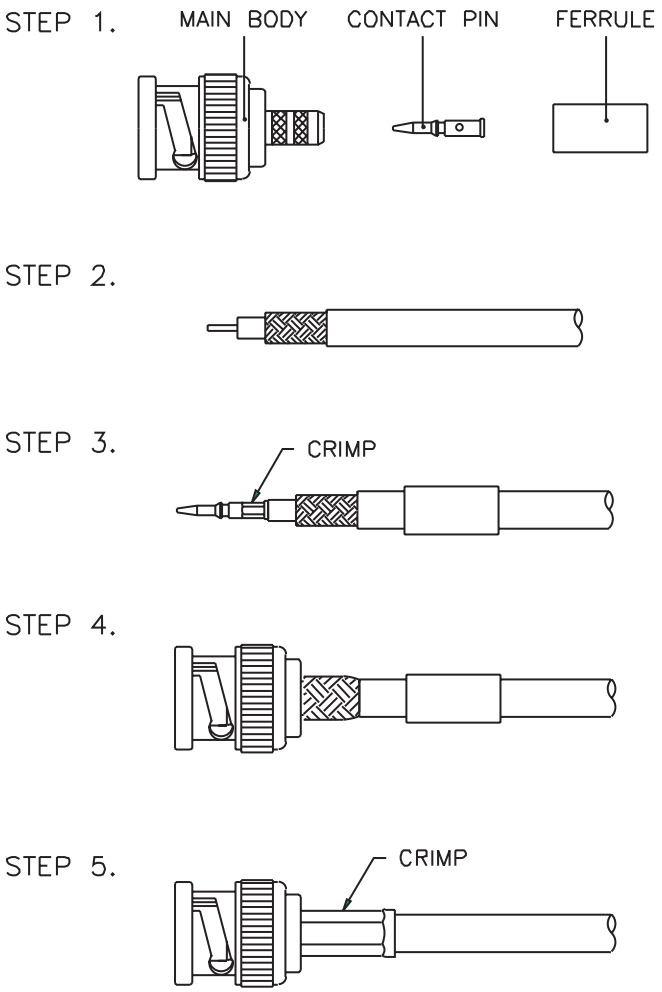
STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the FERRULE onto cable Solder inner conductor to the contact pin of MAIN BODY. And insert the MAIN BODY into braid and dielectric.

STEP 4. Slide the FERRULE over braid and crimp it with the crimp tool as shown. Screw NUT onto MAIN BODY.

Cable Assembly Instruction J

Crimp-crimp



STEP 1. All parts of the connector are shown.
A crimp tool is necessary to complete the connection.

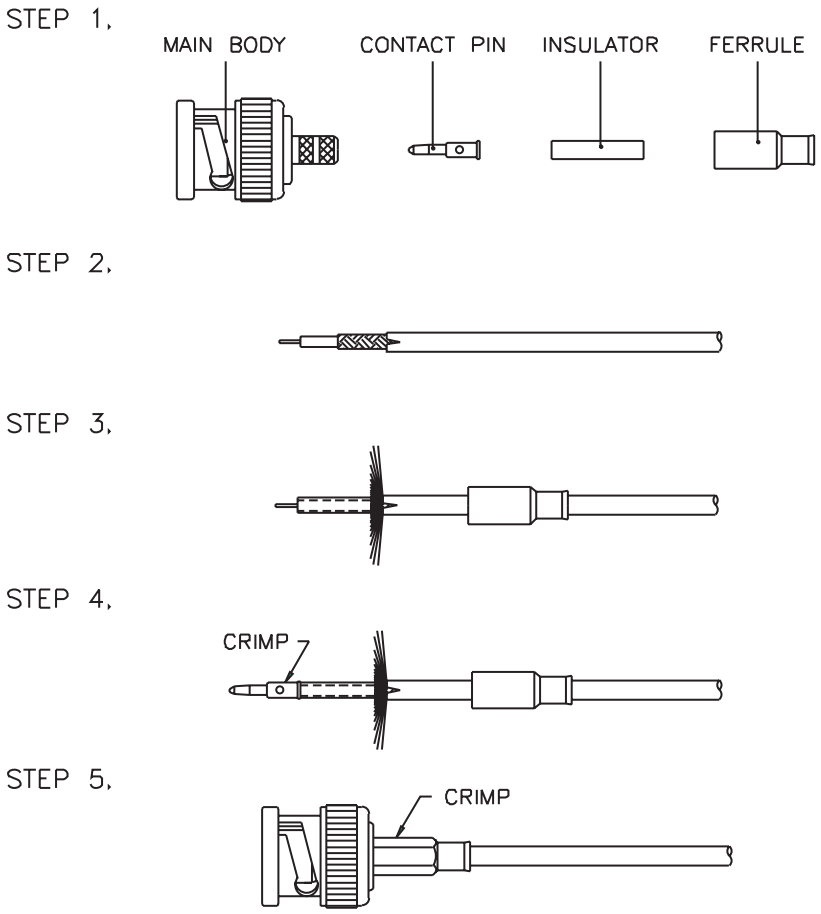
STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Insert inner conductor into the CONTACT PIN and crimp/solder on the cable. Then slide the FERRULE onto cable.

STEP 4. Insert the MAIN BODY into braid and dielectric.

STEP 5. Slide the FERRULE over braid, crimp it with the crimp tool as shown.

Crimp-crimp



STEP 1. All parts of the connector are shown.
A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the FERRULE onto cable, then fold back braid wire and slide the INSULATOR onto dielectric as shown.

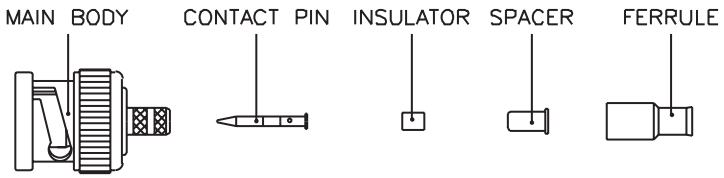
STEP 4. Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.

STEP 5. Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.

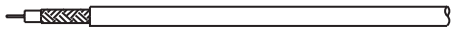
Cable Assembly Instruction L

Crimp-crimp

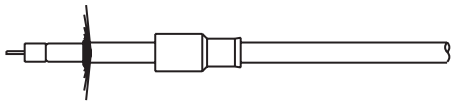
STEP 1.



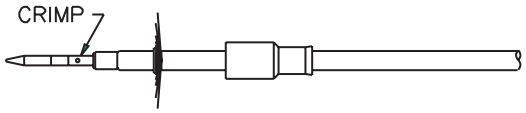
STEP 2.



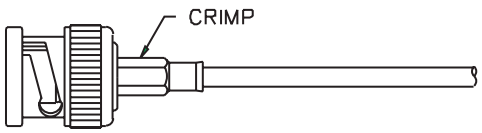
STEP 3.



STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown.
A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

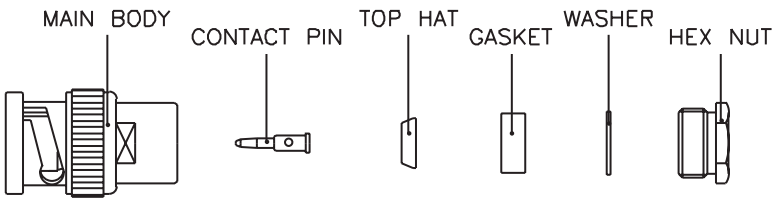
STEP 3. Slide the FERRULE onto cable, then fold back braid wire and slide the SPACER and INSULATOR onto dielectric as shown.

STEP 4. Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.

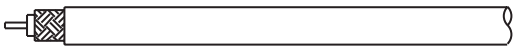
STEP 5. Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.

Clamp-solder

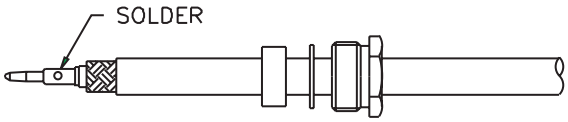
STEP 1.



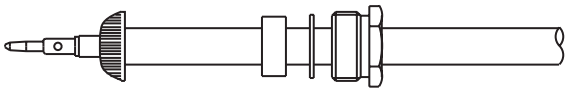
STEP 2.



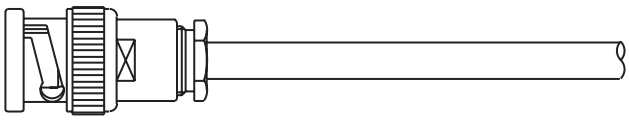
STEP 3.



STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown.

STEP 2. Strip the cable inner conductor, dielectric, and jacket as per “RECOMMENDED CABLE STRIPPING DIM’S” in catalog.

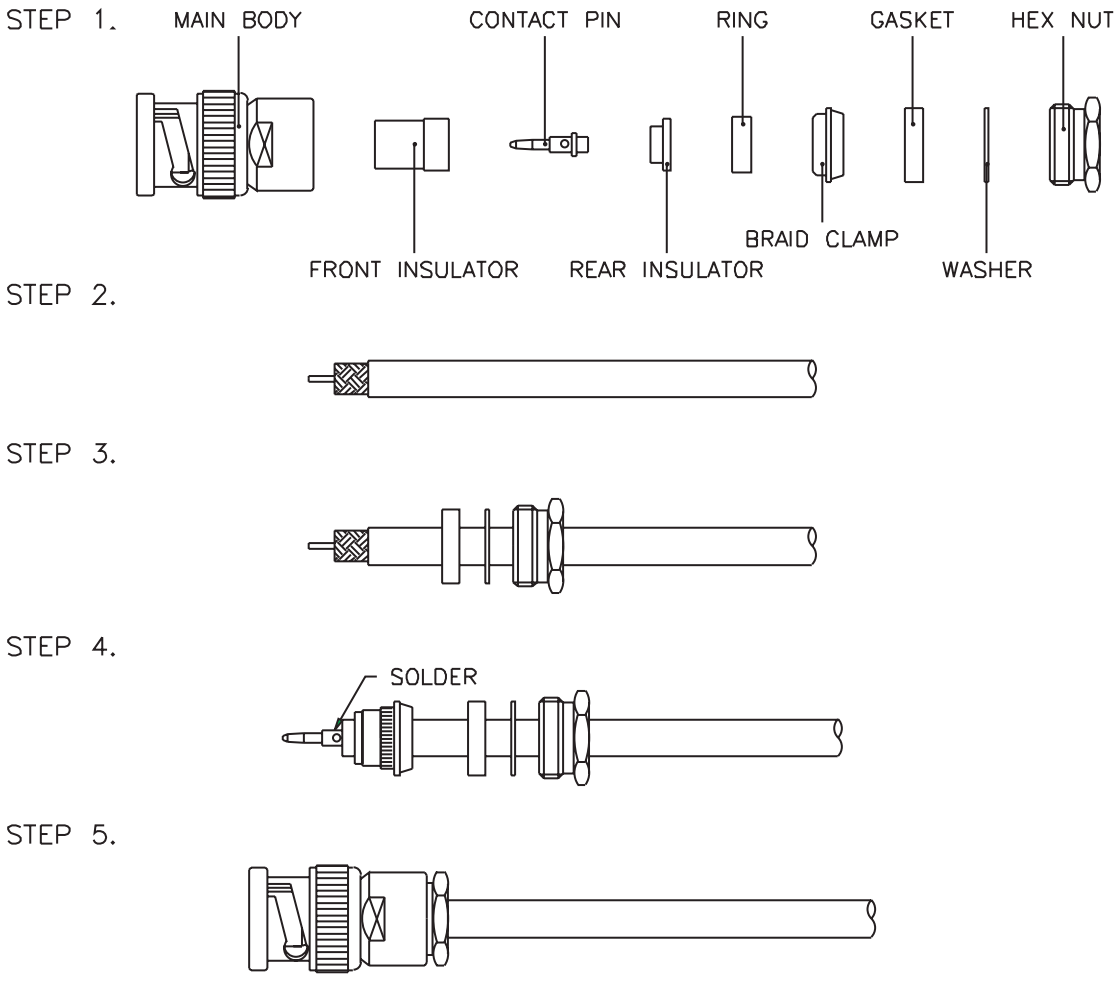
STEP 3. Insert inner conductor into the CONTACT PIN and solder it as shown. Then slide the HEX NUT, WASHER, and GASKET onto cable one by one.

STEP 4. Place the TOP HAT over braid and push back against cable jacket. Fold back braid wire as shown.

STEP 5. Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tightened.

Cable Assembly Instruction N

Clamp-solder



STEP 1. All parts of the connector are shown.

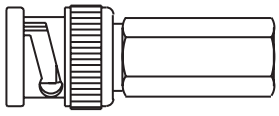
STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the HEX NUT, WASHER, and GASKET onto cable one by one.

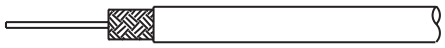
STEP 4. Place the BRAID CLAMP over braid and push back against cable jacket. Fold back braid wire as shown, and slide the RING and REAR INSULATOR against the BRAID CLAMP. Then insert inner conductor into the CONTACT PIN and solder it.

STEP 5. Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tightened.

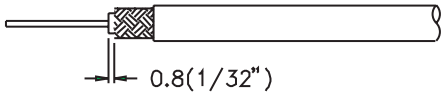
STEP 1.



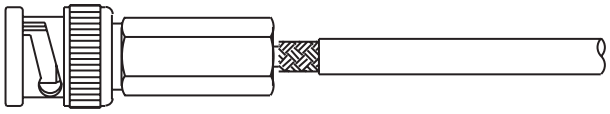
STEP 2.



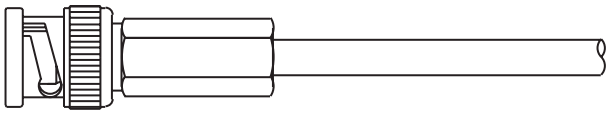
STEP 3.



STEP 4.



STEP 5.



STEP 1. The connector is shown.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

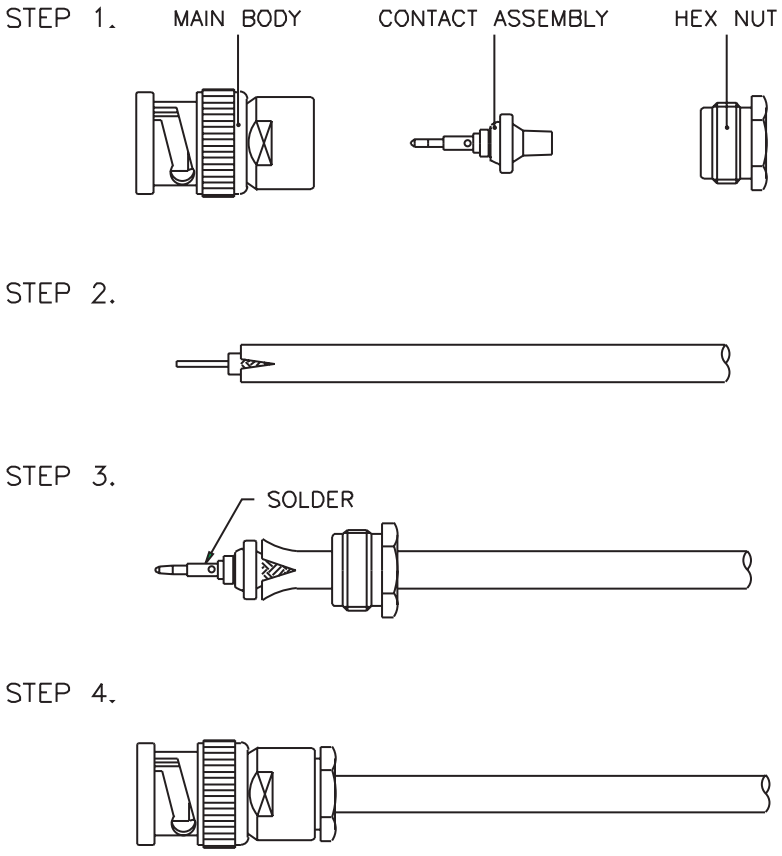
STEP 3. Twist braid in a clockwise direction so that at least 0,8mm of dielectric is bared, and braid is left flat.

STEP 4. Insert inner conductor into back end of connector gently, and feed it into the guide hole.

STEP 5. Push and screw connector onto cable in a clockwise direction until it stops.

Cable Assembly Instruction P

Solder-wedge compression



STEP 1. All parts of the connector are shown.

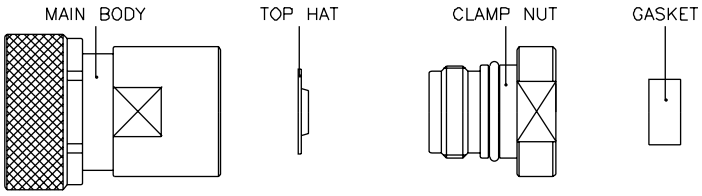
STEP 2. Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the HEX NUT onto cable, then insert the CONTACT ASSEMBLY under braid and jacket.

STEP 4. Insert cable and parts into the MAIN BODY, then screw the HEX NUT until it is tight.

Clamp

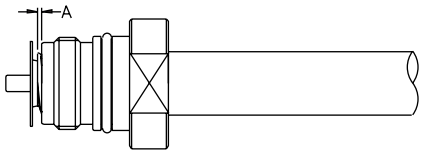
STEP 1.



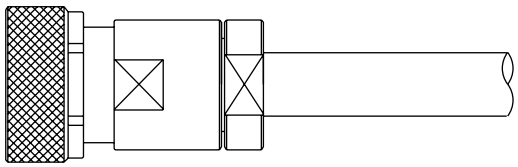
STEP 2.

STEP 3.

STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown.

STEP 2. Strip the inner conductor, dielectric, outer conductor, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

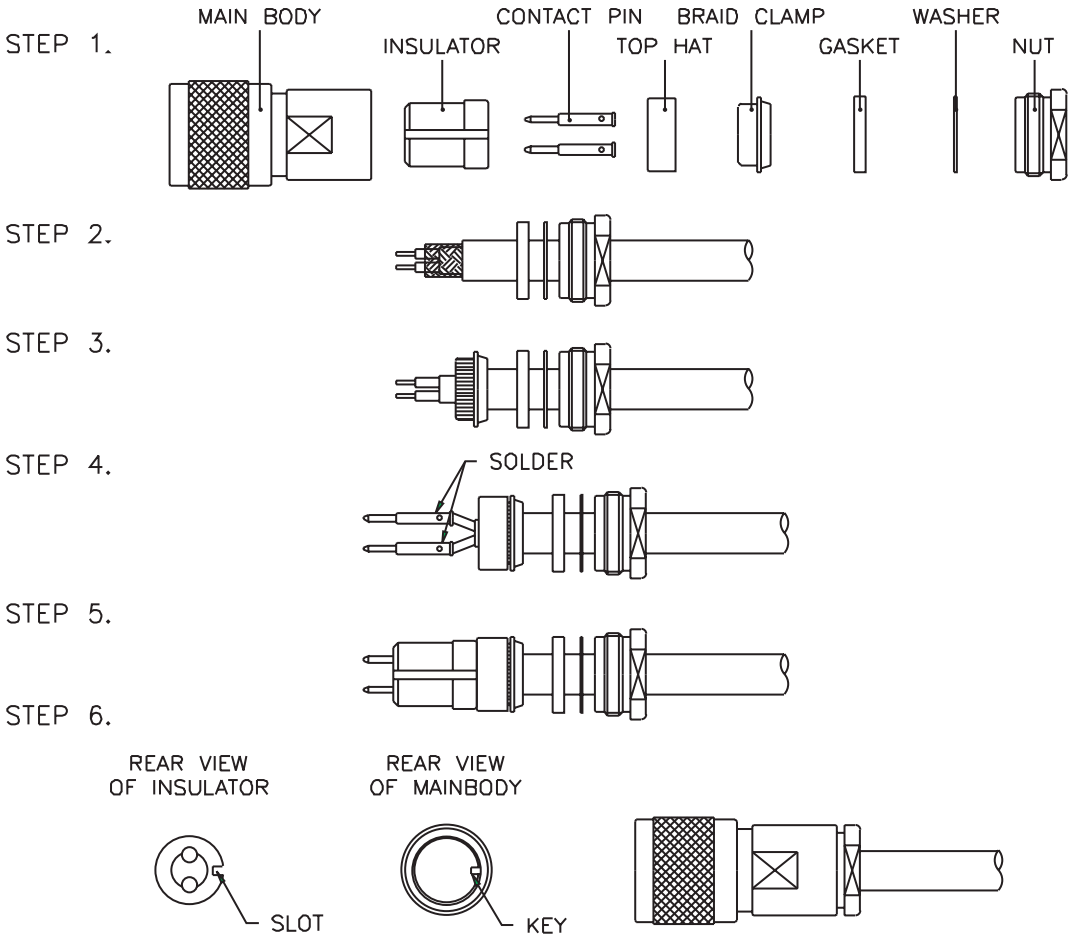
STEP 3. Thread the GASKET onto the cable until it is against the cable jacket.

STEP 4. Thread the CLAMP NUT onto the cable until the A dimension is 1-1.5 mm, then push the TOP HAT onto the outer conductor of cable inside as shown.

STEP 5. Thread the MAIN BODY onto the CLAMP NUT and tighten the connection with wrenches, hold the CLAMP NUT and turn only the MAIN BODY.

Cable Assembly Instruction R

Twin Solder-clamp



STEP 1. All parts of the connector are shown.

STEP 2. Strip the cable inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog. Then slide the NUT, WASHER, and GASKET onto cable.

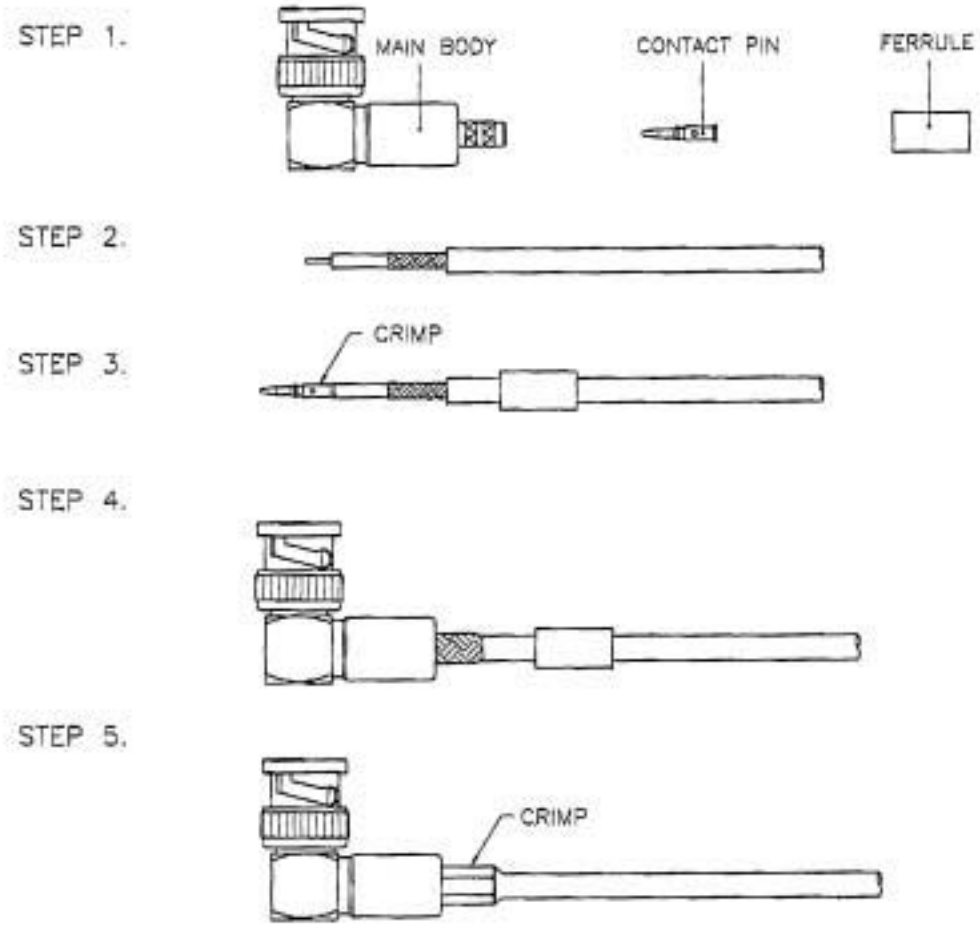
STEP 3. Place the BRAID CLAMP over braid and push back against cable jacket. Fold back braid wire as shown.

STEP 4. Slide the TOP HAT against the BRAID CLAMP. Then insert inner conductor into the CONTACT PINs and solder them.

STEP 5. Insert the CONTACT PINs into the INSULATOR until the INSULATOR is against the TOP HAT.

STEP 6. Insert cable and parts into the MAIN BODY, aligning slot of the INSULATOR with key in the MAIN BODY. Then screw the NUT until it is tight.

Crimp-crimp



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the termination.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

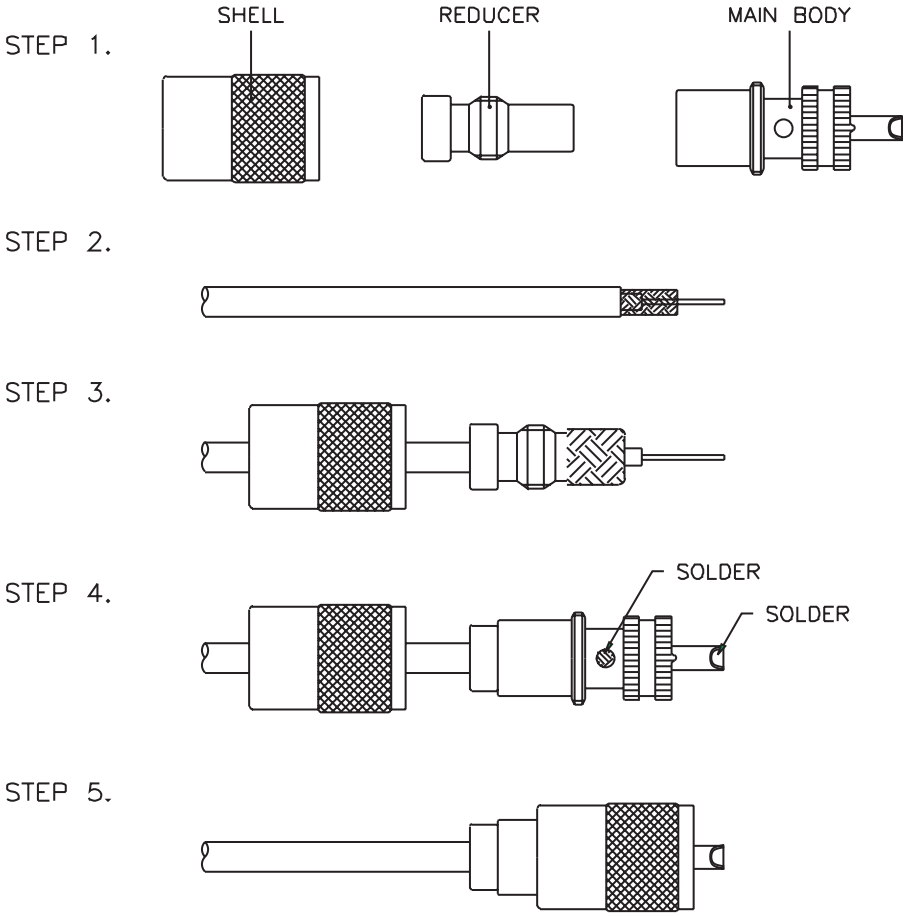
STEP 3. Insert inner conductor into the CONTACT PIN and crimp it with the crimp tool as shown. Then slide the FERRULE onto cable.

STEP 4. Insert the MAIN BODY into braid and dielectric.

STEP 5. Slide the FERRULE over braid and crimp it with the crimp tool as shown.

Cable Assembly Instruction T

Solder (with reducer)



STEP 1. All parts of the connector are shown.

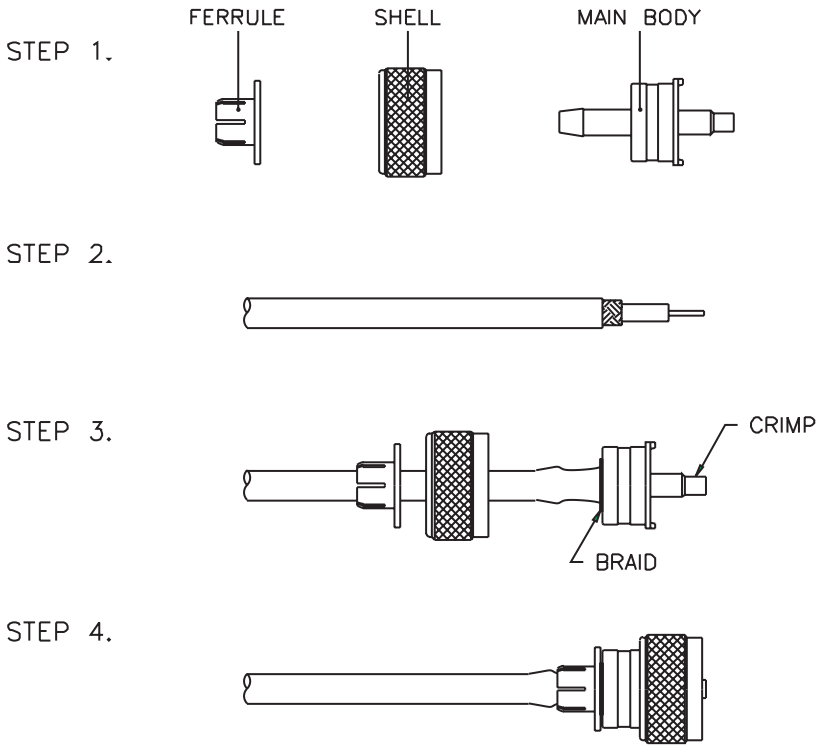
STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the SHELL and REDUCER onto cable, then fold back braid wire over the REDUCER as shown.

STEP 4. Screw the MAIN BODY onto the REDUCER and solder it as shown.

STEP 5. Slide the SHELL forward and screw in place on the MAIN BODY.

FCP



STEP 1. All parts of the connector are shown.

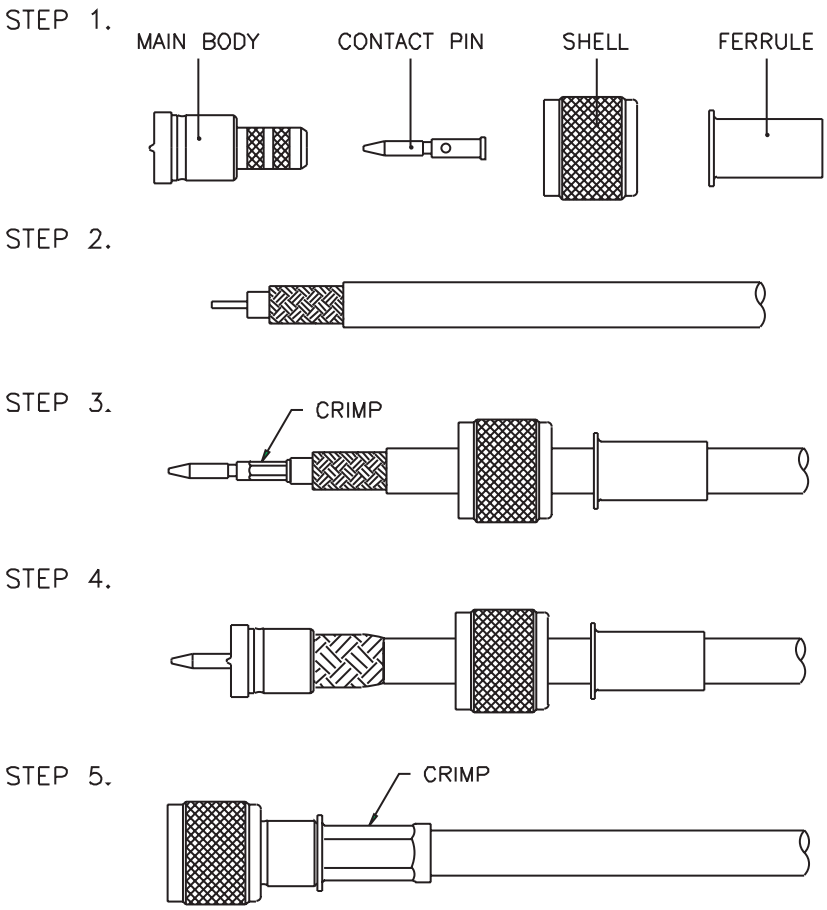
STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the FERRULE and SHELL onto cable one by one, and insert the MAIN BODY into braid and dielectric until it is against cable jacket. Then crimp the CONTACT PIN as shown.

STEP 4. Slide the SHELL onto the MAIN BODY, and push the FERRULE until it is against the MAIN BODY. If inner conductor sticks out beyond the CONTACT PIN, trim it.

Cable Assembly Instruction V

Crimp-crimp



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

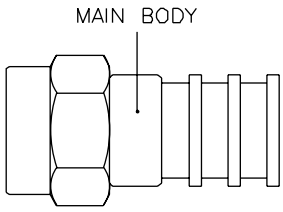
STEP 3. Insert inner conductor into the CONTACT PIN, crimp it with the crimp tool as shown. Then slide the FERRULE and SHELL onto cable one by one.

STEP 4. Insert the MAIN BODY under braid and dielectric.

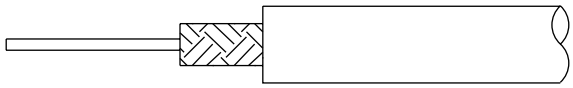
STEP 5. Slide the SHELL until it is against the MAIN BODY, then slide the FERRULE over braid, crimp it with the crimp tool as shown.

Crimp

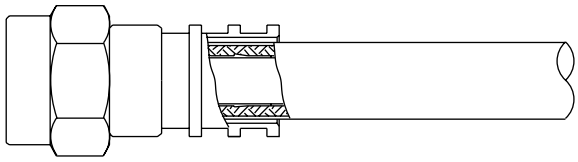
STEP 1.



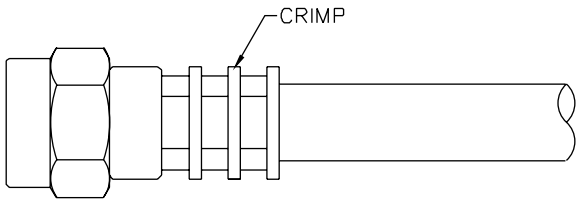
STEP 2.



STEP 3.



STEP 4.



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

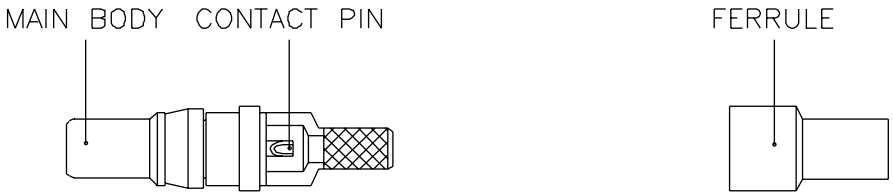
STEP 3. Insert cable into the back end of MAIN BODY gently, and feed it into the guide hole.

STEP 4. Crimp it with the crimp tool as shown.

Cable Assembly Instruction X

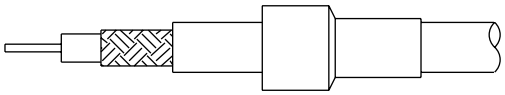
Solder-crimp

STEP 1.

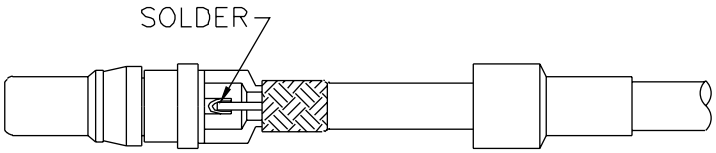


STEP 2.

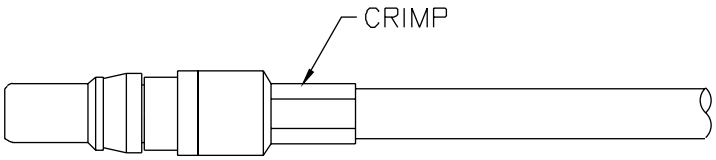
STEP 3.



STEP 4.



STEP 5.



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

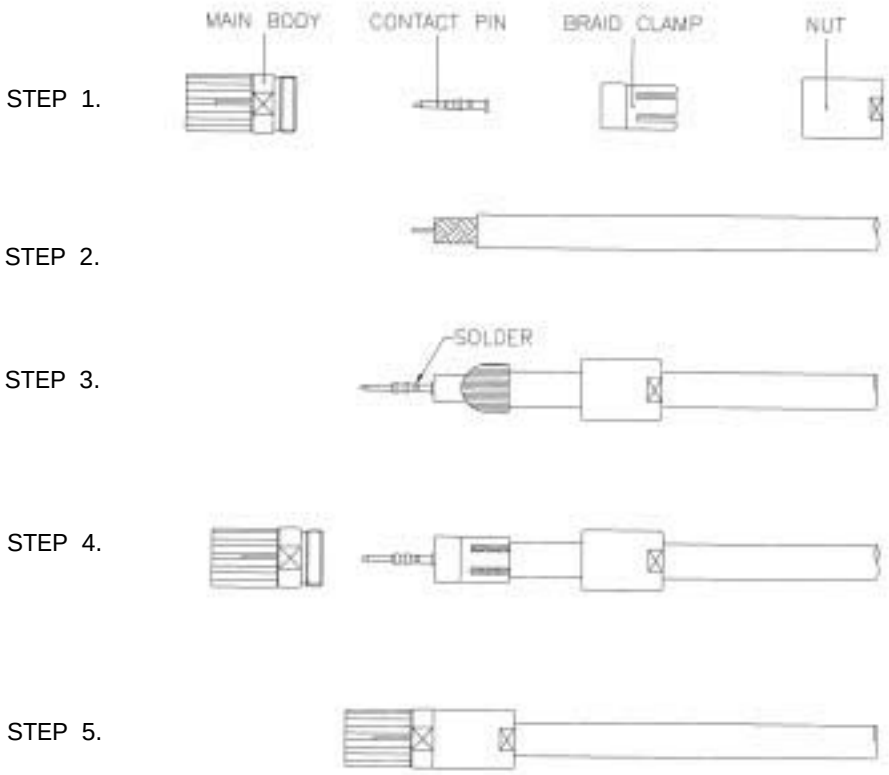
STEP 2. Strip the inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3. Slide the FERRULE onto cable.

STEP 4. Solder inner conductor to contact pin of the MAIN BODY as shown.

STEP 5. Slide the FERRULE over braid; crimp it with the crimp tool as shown.

Solder-clamp



STEP 1. All parts of the connector are shown.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

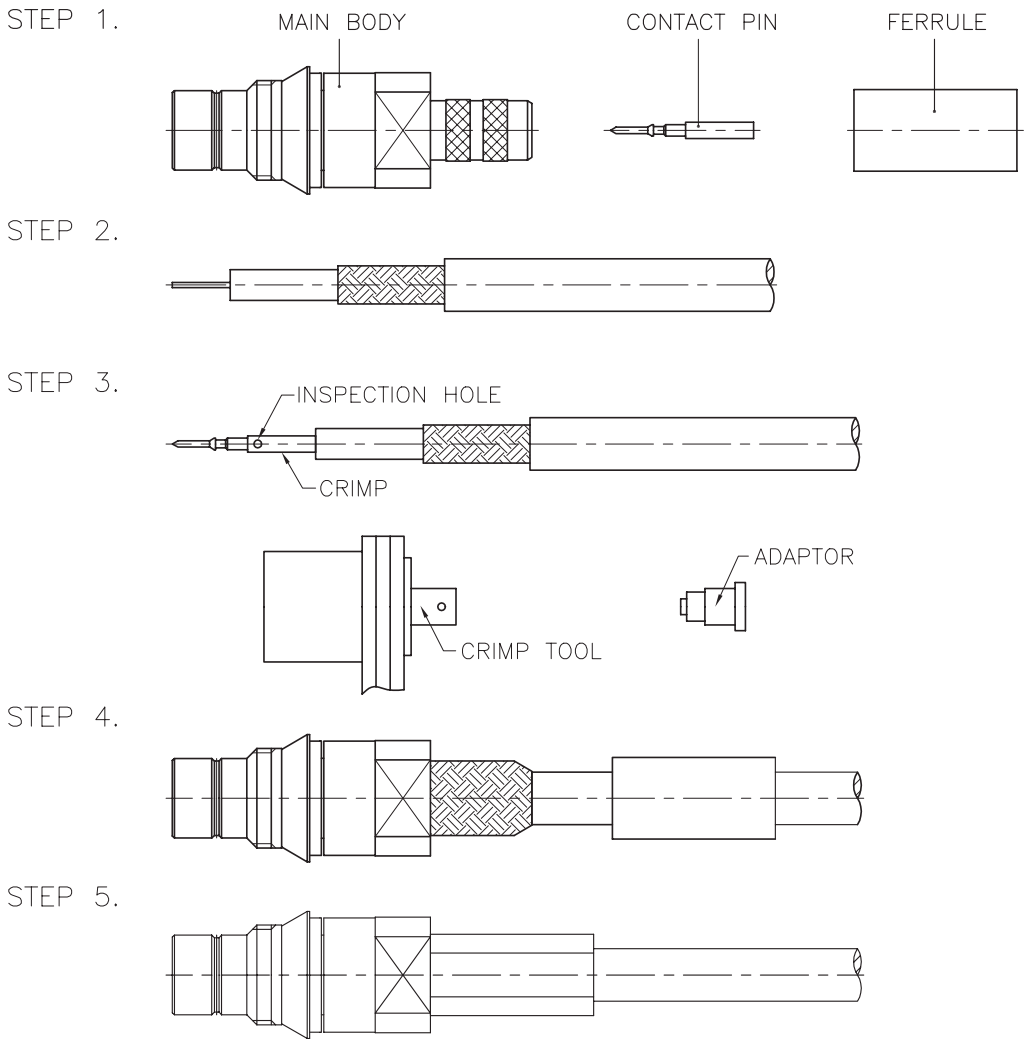
STEP 3. Slide the NUT onto cable, then insert inner conductor into the CONTACT PIN and solder it, fold back braid wire as shown.

STEP 4. Place the BRAID CLAMP over braid and push back against cable jacket.

STEP 5. Insert cable and parts into the MAIN BODY, then screw the NUT until it is tightened.

Cable Assembly Instruction Z

Crimp - crimp



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the termination.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalog.

STEP 3.1 Place centre contact on conductor.
(ensure conductor is visible through inspection hole)
STEP 3.2 Place adaptor in crimp tool
STEP 3.3 Insert cable into adaptor. Push home.
STEP 3.4 Crimp centre contact

STEP 4. Insert the MAIN BODY into braid and dielectric.

STEP 5. Slide the FERRULE over braid and crimp it with the crimp tool as shown.

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