

Description

Named for Paul Neill of Bell Labs and developed in the 1940's. The Type N offered the first true microwave performance.

Type N connector was developed to satisfy the need for a durable, weatherproof medium size RF connector with consistent performance through 11 GHz.

There are two families of Type N connectors:

- Standard N (Coaxial Cable)
- Helical N (Corrugated Cable)

Primary applications are the termination of medium to miniature size coaxial cable:

RG-8 and RG-225

RG-58 and RG-141

Features/Benefits

- Accommodates a wide range of medium to miniature sized RG coaxial cables in a rugged medium size design. Provides customer flexibility in their design and manufacturing with a durable connector.
- Broad line of Military (M39012 prefix), Industrial (UG prefix), and Commercial Grade (RFX suffix) products available. Gives customer choices in weighing cost versus performance benefits.
- Available in many styles: Plugs (Straight and Right Angle) and Jacks (Panel Mount, Bulkhead Mount, Receptacle). Meets many customer application demands

Applications

- Antennas
- Base Stations
- Broadcast
- Cable Assemblies
- Components
- Instrumentation
- Mil-Aero
- Radar
- Radios
- Satcom
- Surge Protection
- WLAN

Specifications

Electrical

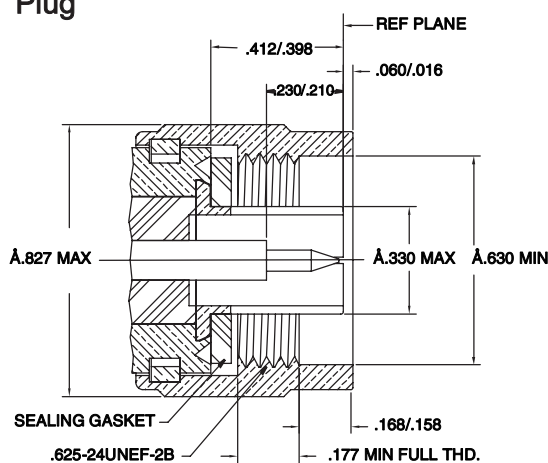
Impedance	50 ohm nominal
Frequency	0-11 GHz
Voltage Rating	1500 Volts peak
Dielectric Withstanding Voltage	2500 Volts rms
VSWR	1.3 max. 0-11 GHz
Contact Resistance	Center contact 1.0 milliohm Outer contact 0.2 milliohm
Insulation Resistance	5000 megohms (min)

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

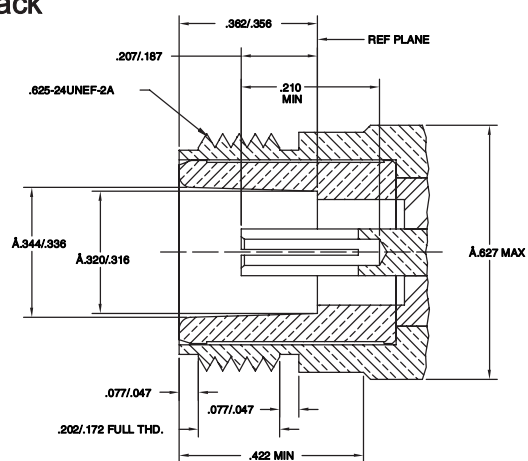
Material

Center Contact male	Brass, Gold or Silver plated
Center Contact female	Phosphor Bronze (nominal) or Beryllium Copper, Gold or Silver plated
Metal parts	Brass, Nickel*
Insulators	Teflon, None
Clamp gaskets	Silicone rubber, Synthetic rubber, None
Crimp ferrules	Annealed copper, Nickel*

Plug

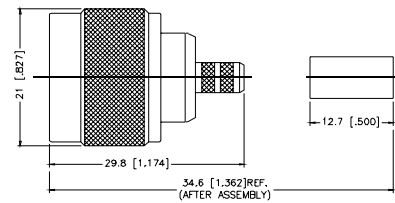


Jack



Straight Crimp Plug - Captive Contact - Standard Cable

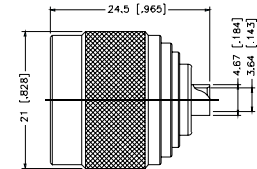
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1121A1-NT3G-1-50	01	Nickel	Teflon	50	4
N1121A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N1121A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N1121C1-NT3G-2-50	02	Nickel	Teflon	50	4
N1121A1-NT3G-3-50	03	Nickel	Teflon	50	4
N1121G1-NT3G-5-50	05	Nickel	Teflon	50	1
N1121G1-NT3G-5A-50	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
N1121C5-NT3G-LMR500-50	Times LMR500	Nickel	Teflon	50	.610 hex



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Straight Solder Plug - Semi-Rigid Cable

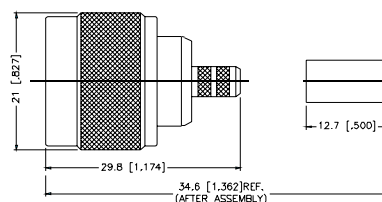
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1181A1-3G/NT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
N1181B1-3G/NT3G-11-50	11	Nickel/Gold	Teflon	50	N/A
N1181A2-3G/NT3G-12-50	12	Nickel/Gold	Teflon	50	N/A



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Crimp Plug - Ethernet Cable

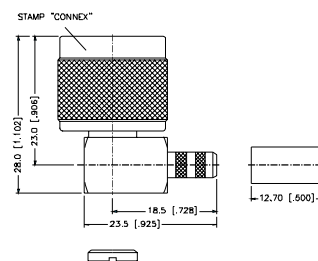
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1121A1-NT3G-9880-50	9880	Nickel	Teflon	50	6
N1121A1-NT3G-89880-50	89880	Nickel	Teflon	50	6



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Right Angle Crimp Plugs - Standard Cable

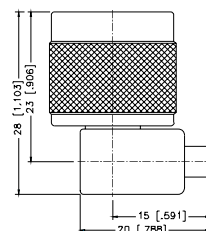
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1112B1-001-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
N1112B1-001-NT3G-1A-50	01A	Nickel	Teflon	50	3 or 4
N1112B1-NT3G-1B-50	01B	Nickel	Teflon	50	3 or 4
N1112A1-NT3G-3-50	03	Nickel	Teflon	50	4
N1112E2-NT3G-5-50	05	Nickel	Teflon	50	3
N1112E1-NT3G-5A-50	05A	Nickel	Teflon	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

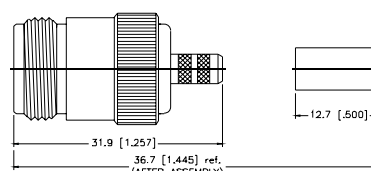
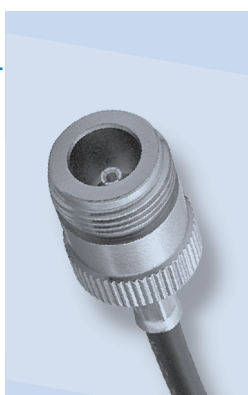
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1182A1-NT3G-10-50	10	Nickel	Teflon	50	N/A
N1182A1-NT3G-11-50	11	Nickel	Teflon	50	N/A
N1182A1-NT3G-12-50	12	Nickel	Teflon	50	N/A



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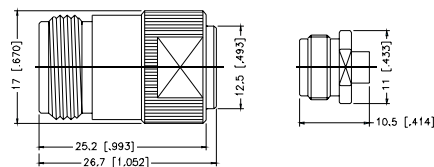
Crimp Jack - Captive Contact - Standard Cable

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

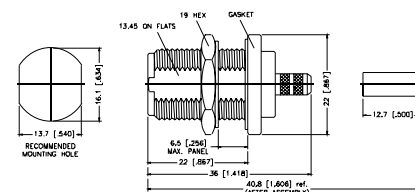
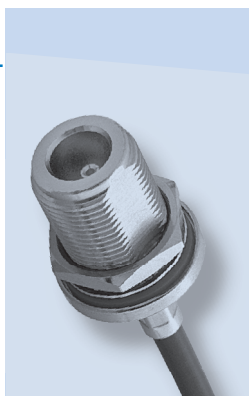


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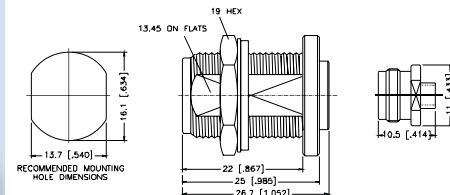
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6181A1-N/3GT3G-10-50	10	Nickel/Gold	Teflon	50	N/A
N6181A1-N/3GT3G-11-50	11	Nickel/Gold	Teflon	50	N/A



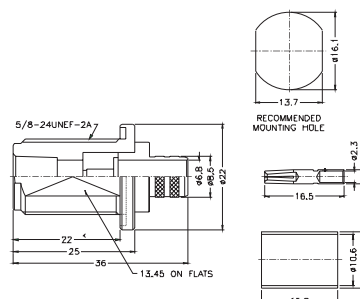
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6421A1-NT3G-1-50	01	Nickel	Teflon	50	3 or 4
N6421A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N6421A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N6421C1-001-NT3G-2-50	02	Nickel	Teflon	50	4
N6421C1-001-NT3G-3-50	03	Nickel	Teflon	50	4
N6421G1-NT3G-5-50	05	Nickel	Teflon	50	1 or 2
N6311A1-NT3G-5-50	05	Nickel	Teflon	50	1
Front Mount					
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



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



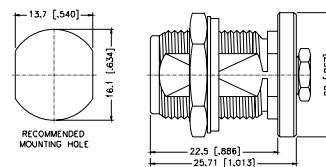
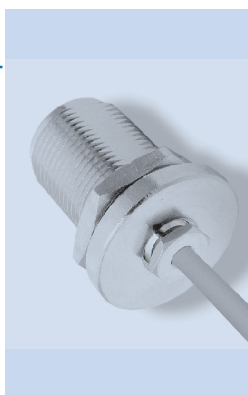
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6421A1-NT3G-9880-50	9880	Nickel	Teflon	50	6
N6421A1-NT3G-98880-50	89880	Nickel	Teflon	50	6



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Bulkhead Clamp Jack - Rear Mount - Miniature Cable

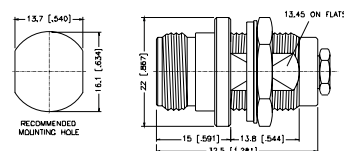
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
N6441H1-001-NT30G-5-50 Rear Mount Flatwasher	05	Nickel	Teflon	50	N/A
N6441H1-002-NT30G-5-50 Rear Mount Starwasher	05	Nickel	Teflon	50	N/A



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Bulkhead Clamp Jack - Front Mount - Miniature Cable

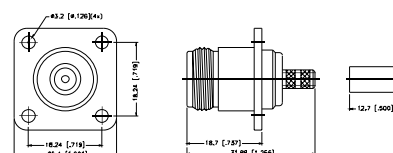
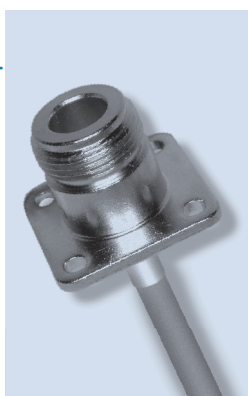
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
N6341A1-001-NT3G-5-50	05	Nickel	Teflon	50	N/A



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Straight Crimp Panel Jack - Captive Contact - Flexible Cable

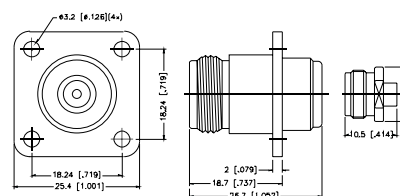
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
N6521A1-NT3G-1-50	01	Nickel	Teflon	50	4
N6521A1-NT3G-1A-50	01A	Nickel	Teflon	50	4
N6521A1-NT3G-1B-50	01B	Nickel	Teflon	50	4
N6521G1-NT3G-5-50	05	Nickel	Teflon	50	1 or 2
N6521G1-NT3G-5A-50	05A	Nickel	Teflon	50	2
N6521A1-NT3G-7-50	07	Nickel	Teflon	50	4
N6521A1-NT3G-7A-50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



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Straight Solder Panel Jack - Semi-Rigid Cable

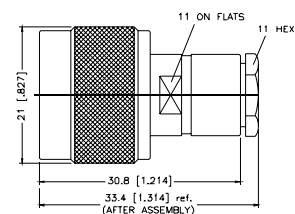
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
N6581A1-NT3G-10-50	10	Nickel	Teflon	50	N/A
N6581A1-NT3G-11-50	11	Nickel	Teflon	50	N/A



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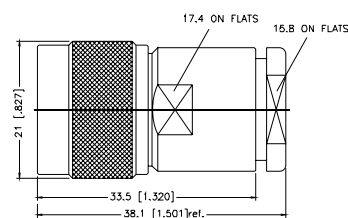
Straight Solder Plug - Captive Contact - Standard Cable

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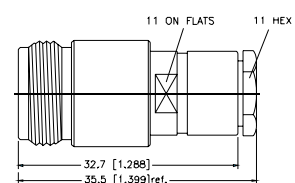
P.N.	Cable Group	Pit.	Ins.	Imp.	Crimp Tool
N1141A2-NT3G-7-50	07	Nickel	Teflon	50	N/A



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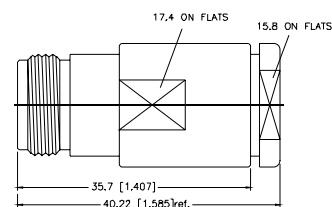
Straight Solder Jack - Captive Contact - Standard Cable

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

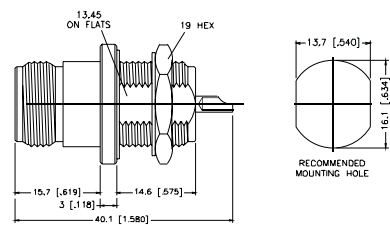


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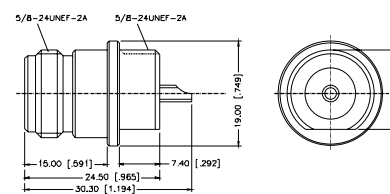
Bulkhead Receptacle - Front Mount

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**

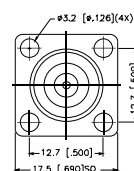
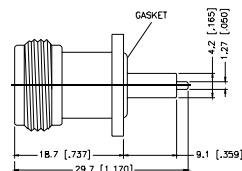
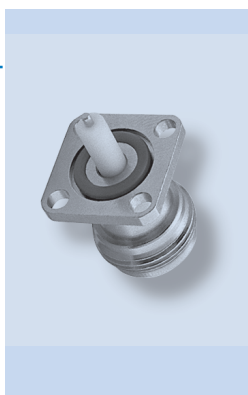
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6351B1-005-NT3G-50	N/A	Nickel	Teflon	50	N/A



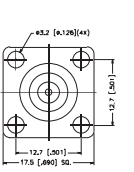
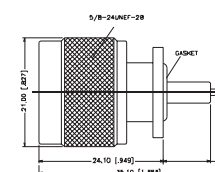
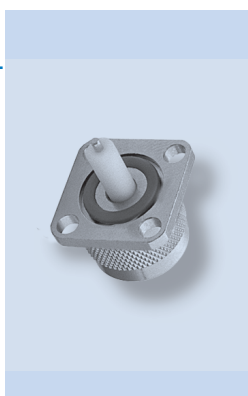
Panel Receptacle Jack - Exposed TFE Type

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

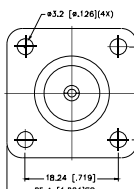
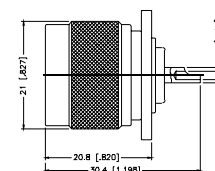
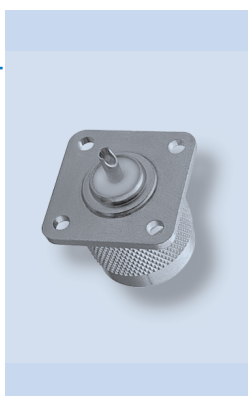
Remark: With gasket.
Extended Teflon insulation available in various lengths.
Contact Amphenol for part number and availability.

**Panel Receptacle Plug - Exposed TFE Type**

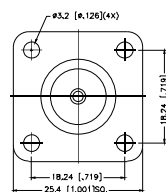
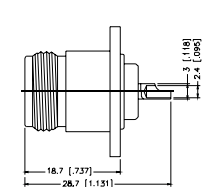
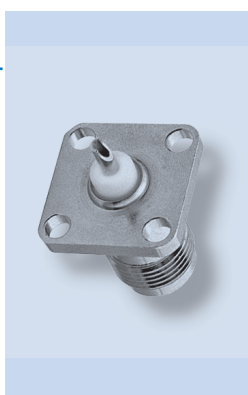
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N1551E1-NT3G-50	N/A	Nickel	Teflon	50	N/A

**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

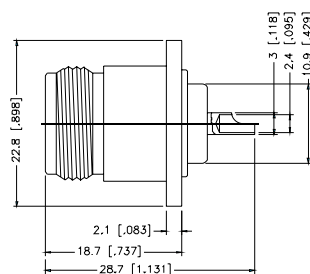
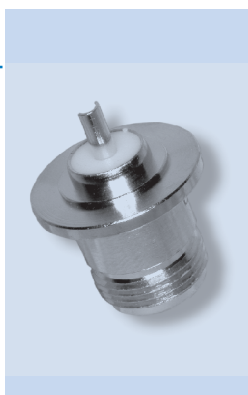
**Panel Receptacle Jack - Solder Cup terminal**

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

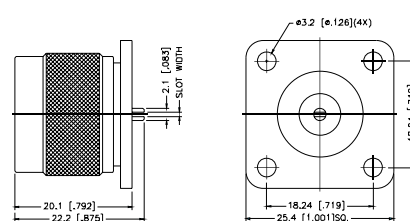
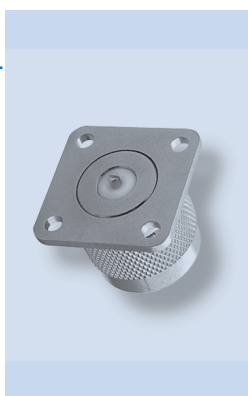


Panel Receptacle Jack - Solder Cup Terminal - Round Flange

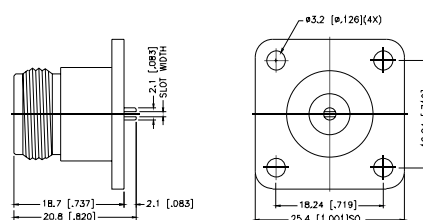
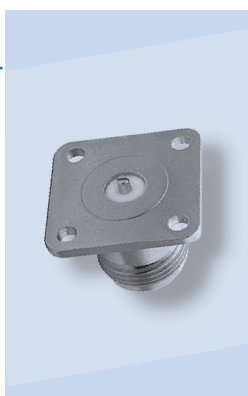
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-013-NT3G-50	N/A	Nickel	Teflon	50	N/A

**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

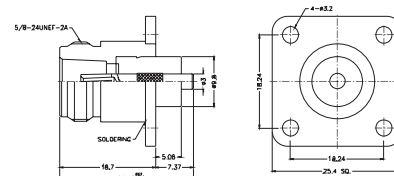
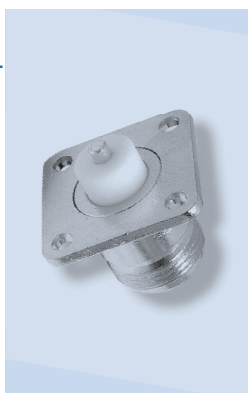
**Panel Receptacle Jack - Slot Terminal**

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

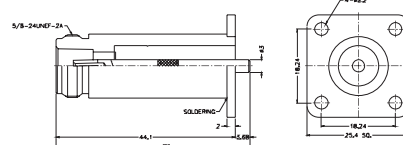


Panel Receptacle Jack - Extended Body

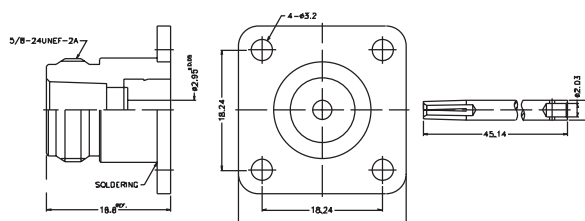
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551A1-012-NT3G-50 Blunt Post	N/A	Nickel	Teflon	50	N/A
N6551A1-019-NT3G-50 Extended Teflon	N/A	Nickel	Teflon	50	N/A



N6551A1-012-NT3G-50

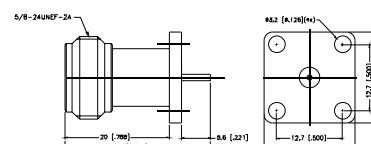
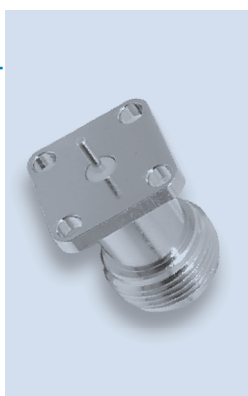


N6551A1-019-NT3G-50



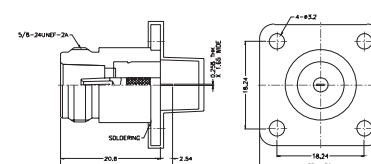
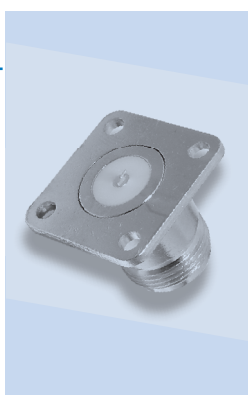
Panel Receptacle Jack - Extended body - Post Contact

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N6551E1-020-N73G-50	N/A	Nickel	Teflon	50	N/A



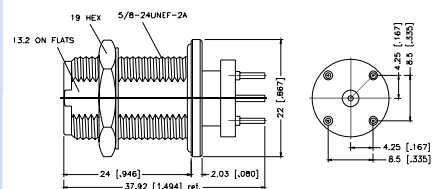
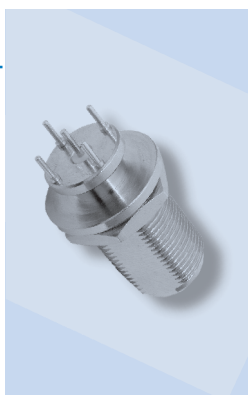
Panel receptacle Jack - Tab Post

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



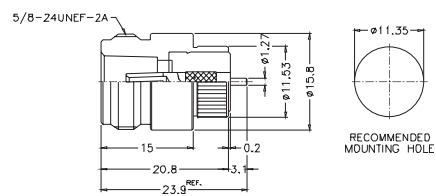
Straight P.C. Board Receptacle - Four Legs

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



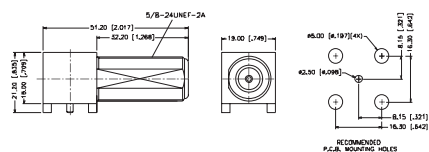
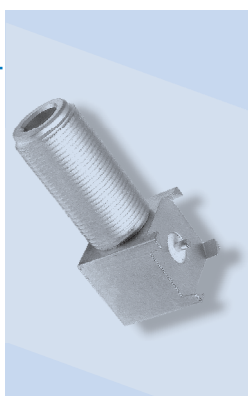
Push Fit Receptacle

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



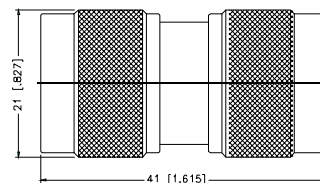
Right Angle P.C. Board Receptacle

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

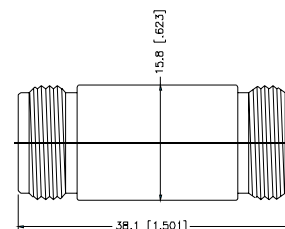


Plug-to-Plug Adapter

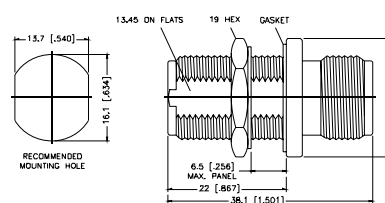
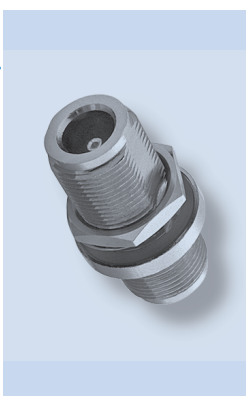
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N2071A1-NT3G-50	N/A	Nickel	Teflon	50	N/A
NM-RNM-NT3G-50 N Plug Reverse Polarized to N Jack	N/A	Nickel	Teflon	50	N/A
NF-RNF-NT3G-50 N Jack Reverse Polarized to N Plug	N/A	Nickel	Teflon	50	N/A

**Jack-to-Jack Adapter**

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

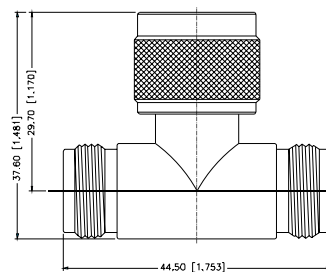
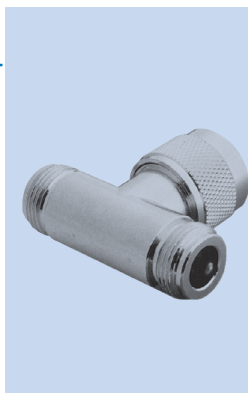
**Jack-to-Jack Bulkhead Adapter**

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

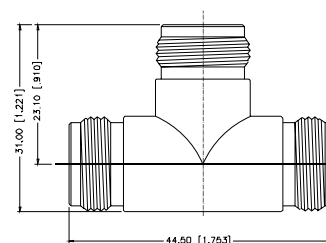


Tee Adapter - Jack-to-Plug-to-Jack

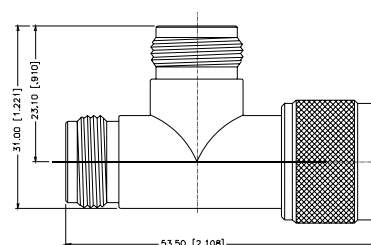
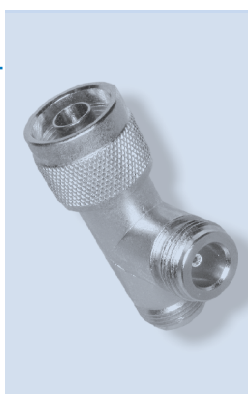
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
N9073A1-NT3G-50	N/A	Nickel	Teflon	50	N/A

**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

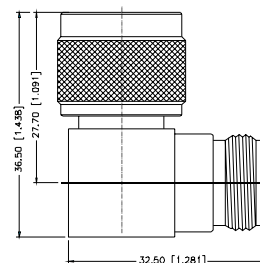
**Tee Adapter - Plug-to-Jack-to-Jack**

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

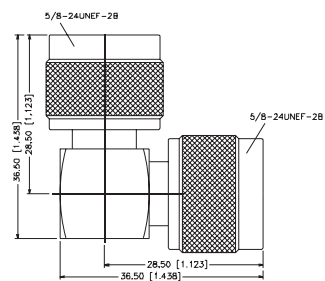
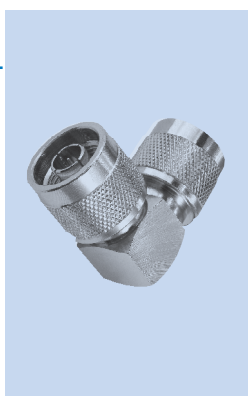


Angle Adapter - Plug-to-Jack

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

**Angle Adapter - Plug-to-Plug**

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

**Terminator Plug**

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

