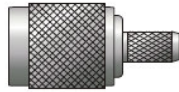


TNC Specifications 51

TNC Plug



TNC Jack



ELECTRICAL

Impedance	50 ohms
Frequency	DC to 11GHz
VSWR	1.35:1 (Cable Fixing Only)
Insertion Loss	0.2dB Maximum @ 3GHz
RF Leakage	-55dB Minimum @ 3GHz
Insulation Resistance	5Gohms Minimum
Inner Contact Resistance	1.5mohms Maximum
Outer Contact Resistance	0.2mohms Maximum
Working Voltage	500V
Dielectric Withstanding Voltage	1500V

MECHANICAL

Durability	500 mating cycles
Cable Retention	Equal to cable breaking strain

ENVIRONMENTAL

Temperature Range	-65 to +165 degrees centigrade
-------------------	--------------------------------

MATERIALS

Bodies	Brass, Nickel Plated
Pins	Brass, Gold Plated
Contacts	Phosphor Bronze, Gold Plated
Ferrules	Brass, Nickel Plated
Insulators	PTFE or Delrin
End Caps	Brass, Nickel Plated
Gaskets	Silicon Rubber
Springs	Steel, Nickel
Panel Nuts	Brass, Nickel Plated
Panel Washers	Brass, Nickel Plated

All of the above products are manufactured in accordance with MIL-C-39012.

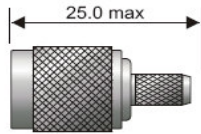
The above specifications are typical although some variations may occur.

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52 TNC Cable Fixing

Crimp Plug



F1: Straight Ferrule



F2: Fluted Ferrule



F3: Fluted Ferrule with insulator



PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN15-D316-C06	RD316	F1	B11	H2
TN15-0400-C06	RG142, 223, 400	F1	B17	H3
TN15-0174-C06	RG174, 188, 316	F2	B11	H2
TN15-0174-C06-1	RG174, 188, 316	F3	B12	H3
TN15-0179-C06	RG179, 187	F2	B11	H2
TN15-0179-C06-1	RG179PE, Triple Coax	F3	B12	H3
TN15-0058-C06	RG58, URM43	F1	B17	H3
TN15-0059-C06	RG59, 62, URM70	F1	B17	H4

CRIMP HEX SIZES (ferrule / contact)

H2	4.52mm	1.69mm
H3	5.41mm	1.69mm
H4	6.48mm	1.69mm

See pages 85-86 for application tooling

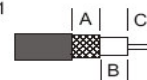
Strip Dimensions - see Illustration S.1

B11: A = 8.0mm B = 6.0mm C = 3.0mm

B12: A = 12.0mm B = 3.0mm C = 3.0mm

B17: A = 8.0mm B = 3.0mm C = 3.0mm

Illustration S.1



Plug to Plug Assemblies



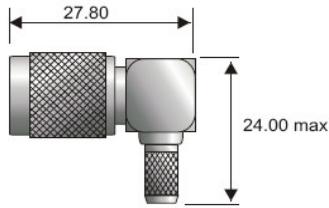
PART NUMBER	CABLE TYPE	DETAILS
DP6BDP6BB058-1000	RG58C/U, 1.0m	50 ohm 3GHz
DP6BDP6BB058-3000	RG58C/U, 3.0m	50 ohm 3GHz
DP6BDP6BB058-5000	RG58C/U, 5.0m	50 ohm 3GHz
DP6BDP6BBM43-1000	URM43, 1.0m	50 ohm 1GHz
DP6BDP6BBM43-3000	URM43, 3.0m	50 ohm 1GHz
DP6BDP6BBM43-5000	URM43, 5.0m	50 ohm 1GHz
DP6BDP6BB223-1000	RG223/U, 1.0m	50 ohm 11GHz
DP6BDP6BB223-3000	RG223/U, 3.0m	50 ohm 11GHz
DP6BDP6BB223-5000	RG223/U, 5.0m	50 ohm 11GHz
DP6BDP6BB174-500	RG174A/U, 0.5m	50 ohm 1GHz
DP6BDP6BB174-1000	RG174A/U, 1.0m	50 ohm 1GHz
DP6BDP6BB316-500	RG316/U, 0.5m	50 ohm 3GHz
DP6BDP6BB316-1000	RG316/U, 1.0m	50 ohm 3GHz

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TNC Cable Fixing 53

Crimp Right Angle Plug (Crimp / Solder)



PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN17-D316-C06	RD316	F1	B15	H2
TN17-0400-C06	RG142, 223, 400	F1	B14	H3
TN17-0174-C06	RG174, 188, 316	F2	B15	H2
TN17-0174-C06-1	RG174, 188, 316	F3	B16	H3
TN17-0179-C06-1	RG179, 187	F3	B16	H3
TN17-0058-C06	RG58, URM43	F1	B14	H3
TN17-0059-C06	RG59, 62, URM70	F1	B14	H4

Strip Dimensions - see Illustration S.1

B14: A = 8.0mm B = 8.0mm C = 3.0mm

B15: A = 8.0mm B = 7.0mm C = 3.0mm

B16: A = 10.0mm B = 6.0mm C = 3.0mm

Crimp Jack



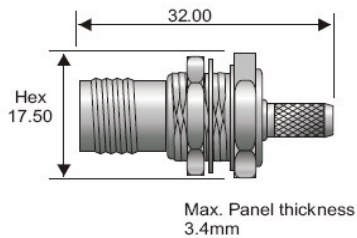
PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN10-D316-C06	RD316	F1	B17	H2
TN10-0400-C06	RG142, 223, 400	F1	B17	H3
TN10-0174-C06	RG174, 188, 316	F2	B17	H2
TN10-0174-C06-1	RG174, 188, 316	F3	B12	H3
TN10-0179-C06-1	RG179, 187	F3	B12	H3
TN10-0058-C06	RG58, URM43	F1	B17	H3
TN10-0059-C06	RG59, 62, URM70	F1	B17	H4

Strip Dimensions - see Illustration S.1

B12: A = 12.0mm B = 3.0mm C = 3.0mm

B17: A = 8.0 mm B = 3.0mm C = 3.0mm

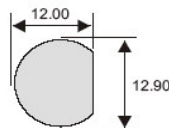
Crimp Bulkhead Jack - Hex Flange



PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN02-D316-C06	RD316	F1	B11	H2
TN02-0400-C06	RG142, 223, 400	F1	B11	H3
TN02-0174-C06	RG174, 188, 316	F2	B11	H2
TN02-0058-C06	RG58, URM43	F1	B11	H3
TN02-0059-C06	RG59, 62, URM70	F1	B11	H4

Strip Dimensions - see Illustration S.1

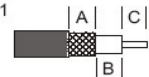
B11: A = 8.0mm B = 6.0mm C = 3.0mm



Crimp Hex Sizes:

See Page 52 for ferrule styles and crimp hex sizes.

Illustration S.1

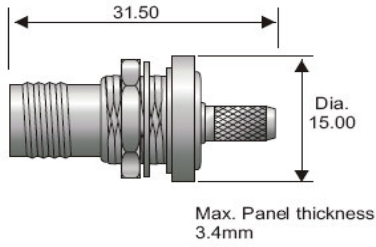


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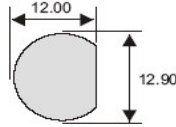
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54 TNC Cable Fixing and Adaptors

Crimp Bulkhead Jack - Circular Flange

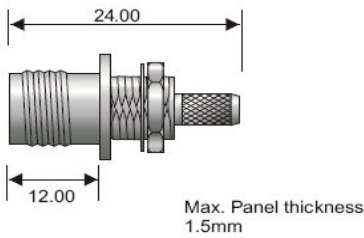


PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN02-D316-C06-1	RD316	F3	B11	H3
TN02-0400-C06-2	RG142, 223, 400	F1	B11	H3
TN02-0174-C06-1	RG174, 188, 316	F3	B12	H3
TN02-0058-C06-2	RG58, URM43	F1	B11	H3

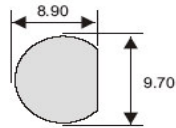


Strip Dimensions - see Illustration S.1
B11: A = 8.0mm B = 6.0mm C = 3.0mm
B12: A = 12.0mm B = 3.0mm C = 3.0mm

Crimp Panel Mount Jack - Front

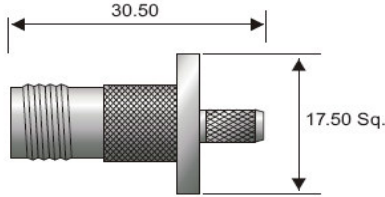


PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN62-D316-C06-1	RD316	F3	B12	H3
TN62-0400-C06	RG142, 223, 400	F1	B17	H3
TN62-0174-C06-1	RG174, 188, 316	F3	B12	H3
TN62-0058-C06	RG58, URM43	F1	B17	H3

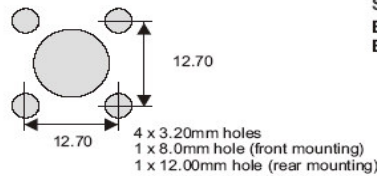


Strip Dimensions - see Illustration S.1
B17: A = 8.0mm B = 3.0mm C = 3.0mm
B12: A = 12.0mm B = 3.0mm C = 3.0mm

Crimp Flange Jack

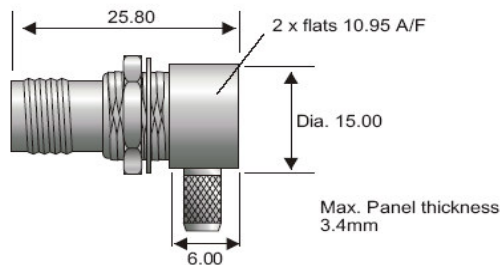


PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN06-0400-C06	RG142, 223, 400	F1	B17	H3
TN06-0174-C06-1	RG174, 188, 316	F3	B12	H3
TN06-0058-C06	RG58, URM43	F1	B17	H3

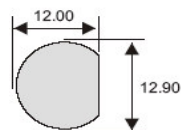


Strip Dimensions - see Illustration S.1
B12: A = 12.0mm B = 3.0mm C = 3.0mm
B17: A = 8.0mm B = 3.0mm C = 3.0mm

Crimp Right Angle Bulkhead Jack



PART NUMBER	CABLE TYPE	FERRULE	STRIP DIMS	HEX SIZES
TN02-0174-C06-1-LP	RG174, 188, 316	F1	B11	H1



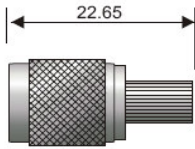
Strip Dimensions - see Illustration S.1
B11: A = 8.0mm B = 6.0mm C = 3.0mm

Crimp Hex Sizes:
 See Page 52 for ferrule styles and crimp hex sizes.



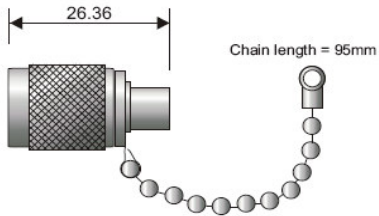
TNC Adaptors 55

Terminator



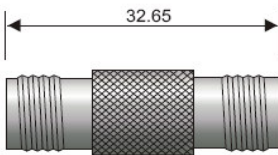
PART NUMBER	DETAILS	IMPEDANCE	RATING
TN15-50-A06	Nickel Plated	50	1/2 watt

Terminator with chain



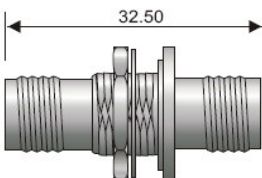
PART NUMBER	DETAILS	IMPEDANCE	RATING
TN15-50-A06-1	Nickel Plated, with chain	50	1/2 watt

Jack to Jack Adaptor



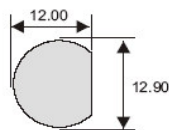
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN10-10-A06	Brass Body, Nickel Plated	50	Delrin

Bulkhead Jack to Jack Adaptor



Max. Panel thickness
5.8mm

PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-10-A06	Brass Body, Nickel Plated	50	Delrin

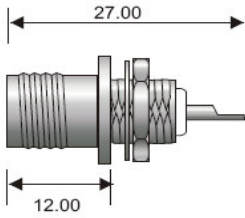


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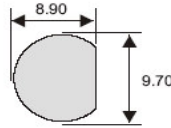
56 TNC Panel and PCB Fixing

Panel Jack - Solder Receptacle

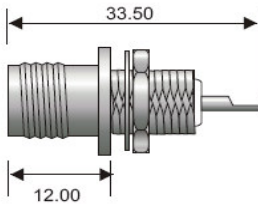


Max. Panel thickness
2.9mm

PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN62-X001-N06	Nickel Plated	50	Delrin
TN62-X001-N06-2	Nickel Plated	50	PTFE

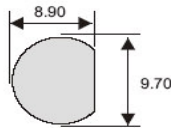


Panel Jack - Solder Receptacle, Long Barrel

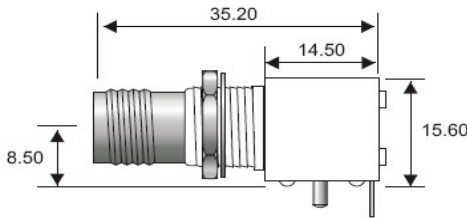


Max. Panel thickness
7.0mm

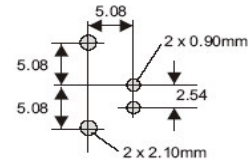
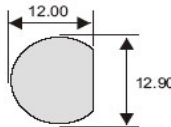
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN62-X001-N06-4	Nickel Plated	50	Delrin
TN62-X001-N06-6	Nickel Plated	50	PTFE



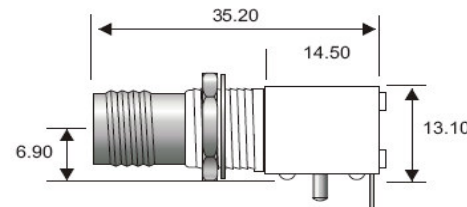
Insulated Right Angle PCB Jack



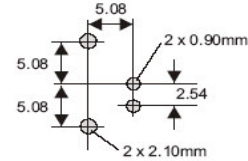
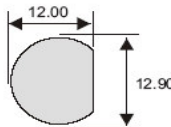
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X170-N06	White Insulated Body	50	Delrin



Insulated Right Angle PCB Jack - Low Profile

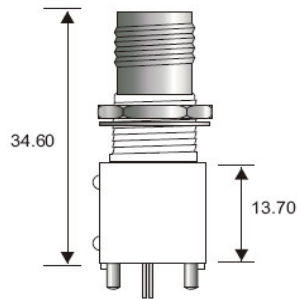


PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X170-N06-2	White Insulated Body	50	Delrin

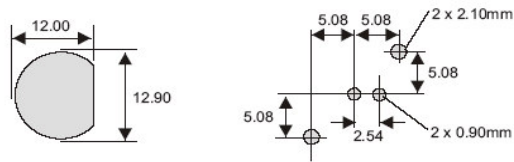


TNC PCB Fixing 57

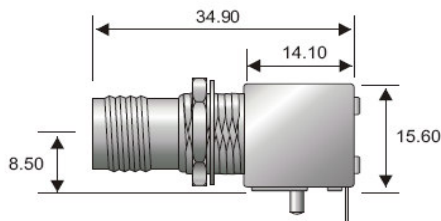
Insulated Vertical PCB Jack



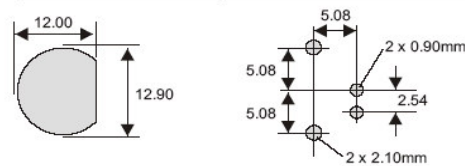
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X180-N06	White Insulated Body	50	Delrin



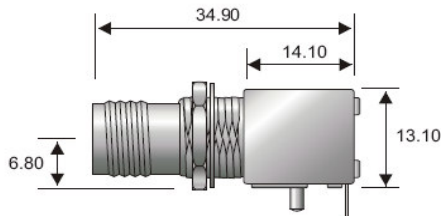
Shielded Right Angle PCB Jack



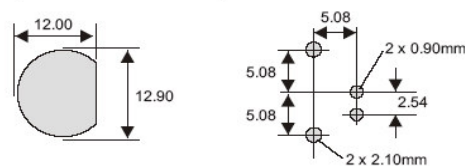
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X600-N06	Shielded Nickel Plated Body	50	Delrin



Shielded Right Angle PCB Jack - Low Profile



PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X600-N06-2	Shielded Nickel Plated Body	50	Delrin

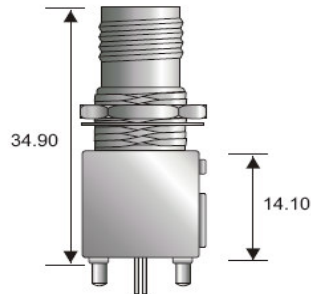


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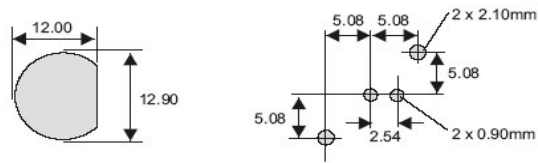
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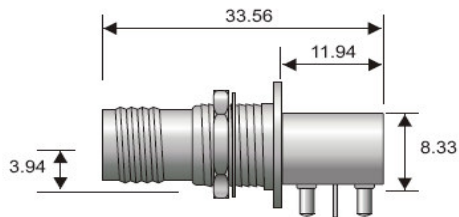
Shielded Vertical PCB Jack



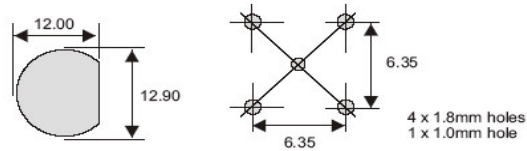
PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X150-N06	Shielded Nickel Plated Body	50	Delrin



Shielded Right Angle PCB Jack, Extra Low Profile



PART NUMBER	DETAILS	IMPEDANCE	DIELECTRIC
TN02-X600-N11-4	Shielded Tin Plated Body	50	Delrin
TN02-X600-N06-4	Shielded Nickel Plated Body	50	Delrin



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