

TNC Type Connectors



- TNC series is screw coupling type connectors produced by modifying the connection method of BNC series.
- Connection is strong mechanically and strong against outer vibration, and less high frequency leakage, as the connection is made by screw coupling.
- Electrical and mechanical performance are based on BNC series.

Note :

TNC series is intermateable with TNC75 series.(75Ω group)

CONFORMING STANDARD

MIL-C-39012

SPECIFICATION

Characteristic Impedance	50 Ω
Dielectric withstanding voltage	1500V AC (rms) for 1 minute
Insulation resistance	1000MΩ min. at 500V DC
Contact resistance	3mΩ max.
VSWR	1.3max. at 2GHz

Specifications depends on each connector although these are basic specifications.

MATERIAL/FINISH

Shell (Body)	Copper alloy/Silver or Nickel plating
Contact (male)	Copper alloy/Silver or Gold plating
Contact (female)	Copper alloy/Silver or Gold plating
Insulators	PTFE
Gaskets	Silicone rubber

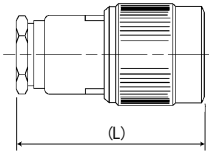
The performance may differ depending on the specification.

TNC Series

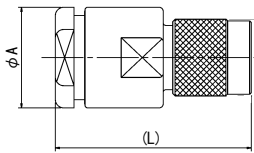
Unit : mm

■ Plug

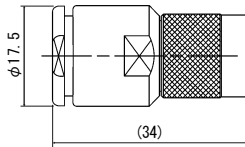
Clamp Type



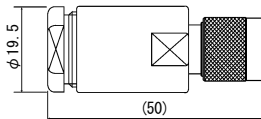
P/N	Applicable Cable	(L)	Finish	
			Shell	Contact
TNC-P-3	3D-2V	25.0	Ag	Ag
	3D-QEV			
TNC-P-58U	RG-58/U	26.0	Ag	Ag
	RG-55/U			



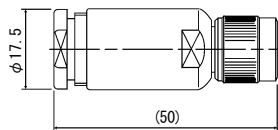
P/N	Applicable Cable	φ A	(L)	Finish	
				Shell	Contact
TNC-SP-5	5D-2V	17.5	34.0	Ni	Au
	5D-QEV				
TNC-SP-5D2W	5D-2W	19.0	37.3	Ni	Au
	5D-2BW1				
TNC-SP-5DSFA	5D-SFA	17.5	34.0	Ni	Au
	5D-SFA(PE)				



P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SP-5DFAE	5D-FAE	Ni	Au



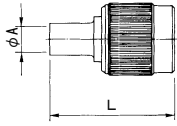
P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SP-8DSFA	8D-SFA	Ni	Au



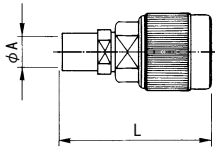
P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-P-5DFB-1	5D-FB	Ni	Ag

■ Plug

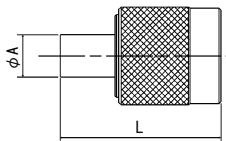
Crimp Type



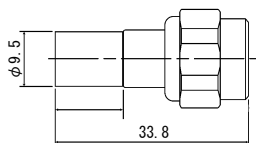
P/N	Applicable Cable	φ A	L	Finish		Hand Crimp Tool P/N	Note
				Shell	Contact		
TNC-P-1.5D2V-CR10	1.5D-2V	4.0	23.3	Ni	Ag	CR-H-1120A	Delta-mate
	1.5D-QEW						
TNC-P-1.5DQEW	1.5D-2W	5.5	22.3	Ni	Au	CR-H-1100	—
	1.5D-QEW						
TNC-P-2.5D2V-CR10	2.5D-2V	5.5	24.3	Ni	Ag	CR-H-1119	Delta-mate
	2.5D-QEW						
TNC-P-2.5D2W-CR10	2.5D-2W	6.3	24.3	Ni	Ag	CR-H-1115	Delta-mate
	2.5D-QEW						
TNC-P-3D2V-CR10	3D-2V	7.1	24.3	Ni	Ag	CR-H-1116	Delta-mate
	3D-QEW						
TNC-P-3D2W-CR10	3D-2W	7.9	24.3	Ni	Ag	CR-H-1135	Delta-mate
	3D-QEW						
TNC-P-5D2V-CR10	5D-2V	9.5	28.7	Ni	Ag	CR-H-1130	Delta-mate



P/N	Applicable Cable	φ A	L	Finish		Hand Crimp Tool P/N
				Shell	Contact	
TNC-P-2DFB-1	2D-FB	6.2	29.7	Ni	Au	CR-H-1105
TNC-SP-1.5DW-CR1	1.5D-2W	4.8	30	Ni	Au	CR-H-1156A
	1.5D-QEW					
TNC-SP-1.5DHQS-CR1	1.5D-HQ SUPER	4.8	30	Ni	Au	CR-H-1156A



P/N	Applicable Cable	φ A	L	Finish		Hand Crimp Tool P/N
				Shell	Contact	
TNC-SP-2DFB-CR1	2D-FB	6.2	24.0	Ni	Au	CR-H-13982
	2.4DS-FXLV					
TNC-SP-2DFU-CR1	2D-FU	6.2	24.0	Ni	Au	CR-H-13982
TNC-SP-3DFXL-CR1	3D-FXL	7.0	28.0	Ni	Au	CR-H-14451
TNC-SP-5DSQFB-CR1	5D-SQFB	9.5	28.5	Ni	Au	CR-H-16768
	CECX-5D-FB					



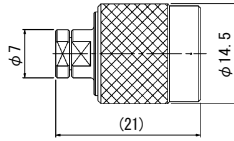
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-SP-5DSFA-CR1	5D-SFA	Ni	Au	CR-H-16768
	5D-SFA(PE)			

TNC Series

Unit : mm

■ Plug

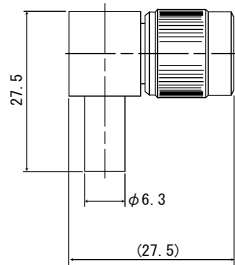
Semi-Rigid and Semi-Flexible Cable Type



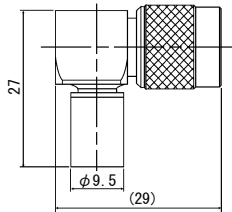
P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SP-141-SO	UT-141A	Ag	Ag
	FCCA VGO		
TNC-SP-141-SO-D1	UT-141A	Ni	Au
	FCCA VGO		

Unit : mm

■ Right Angle Plug



P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-LP-58U-CR1	RG-58/U	Ag	Ag



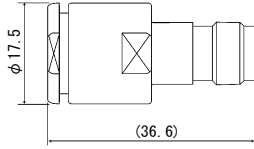
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-LP-5DSQFB-CR1	5D-SQFB	Ni	Au	CR-H-16768
	CECX-5D-FB			

TNC Series

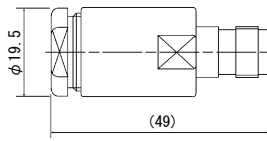
Unit : mm

Jack

Clamp Type



P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SJ-5DSFA	5D-SFA	Ni	Au
	5D-SFA(PE)		

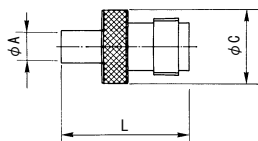


P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SJ-8DSFA	8D-SFA	Ni	Au

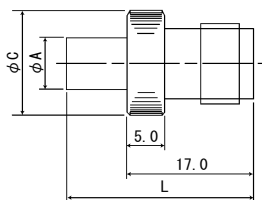
Unit : mm

Jack

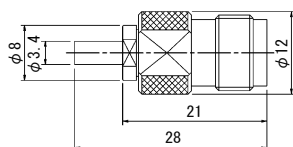
Crimp Type



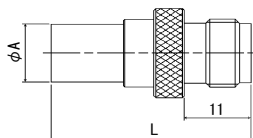
P/N	Applicable Cable	φ A	φ C	L	Finish		Hand Crimp Tool P/N
					Shell	Contact	
TNC-J-1.5D-CR10	1.5D-2V	4.0	12.0	26.8	Ni	Ag	CR-H-1101
	1.5D-QEV						
TNC-J-1.5DXW-CR10-120	1.5D-XWTA	5.5	12.0	26.8	Ni	Ag	CR-H-1142
TNC-J-1.5DQEW-CR10	1.5D-2W	5.5	12.0	26.8	Ni	Ag	CR-H-1100
	1.5D-QEW						
TNC-SJ-2DFB-CR1	2D-FB	6.2	12.0	26.2	Ni	Au	CR-H-13982
	2D-FBV						
TNC-J-2.5DV-CR1	2.5D-XFV	5.9	12.0	25.0	Ni	Au	CR-H-1163
	2.5D-QEV						
TNC-J-2.5D2W-CR10	2.5D-2W	6.25	14.6	25.0	Ni	Ag	CR-H-1105
	2.5D-QEW						
TNC-SJ-3DFXL-CR1	3D-FXL	7.0	14.5	27.8	Ni	Au	CR-H-14451
	3D-SQFB						
TNC-SJ-5DSQFB-CR1	5D-SQFB	9.5	14.5	31.0	Ni	Au	CR-H-16768
	CECX-5D-FB						



P/N	Applicable Cable	φ A	φ C	L	Finish		Hand Crimp Tool P/N
					Shell	Contact	
TNC-J-3D2V-CR10	3D-2V	7.1	14.6	25.42	Ni	Ag	CR-H-1102
	3D-QEV						
TNC-J-3D2W-CR10	3D-2W	7.9	14.6	25.42	Ni	Ag	CR-H-1135
	3D-QEW						



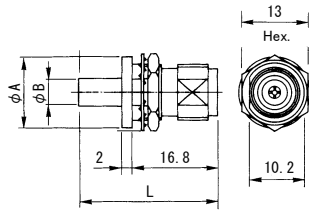
P/N	Applicable Cable	Finish	
		Shell	Contact
TNC-SJ-188AU-CR1	RG-188A/U	Ni	Au
	F-MF		



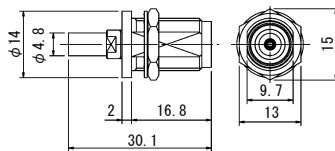
P/N	Applicable Cable	φ A	L	Finish		Hand Crimp Tool P/N
				Shell	Contact	
TNC-SJ-2.5DVS-CR1	2.5D-2VS	5.9	28	Ni	Au	CR-H-1163
TNC-SJ-5DSFA-CR1	5D-SFA(PE)	9.5	33	Ni	Au	CR-H-16768

Unit : mm

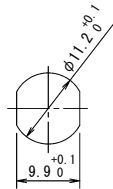
■ Bulkhead Jack



Mounting Hole



Mounting Hole



P/N	Applicable Cable	A	B	L	Finish		Hand Crimp Tool P/N
					Shell	Contact	
TNC-BJ-2.5DQEWS	2.5D-2W	14.0	6.25	27.9	Ni	Ag	CR-H-1105
	2.5D-QEWS						
TNC-BJ-2.5DVS-CR1	2.5D-2VS	14.0	5.9	26.8	Ni	Au	CR-H-1163
	2.5DS-QEHV(TA)						
TNC-BJ-58U-CR10	RG-58A/U	14.0	6.25	28.3	Ni	Ag	CR-H-1105

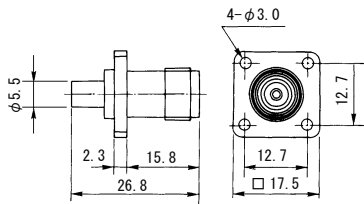
※ Panel Thickness 2.7mm Max.

P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-BJ-1.5DW-CR1	1.5D-2W	Ni	Au	CR-H-1156A
	1.5D-QEWS			

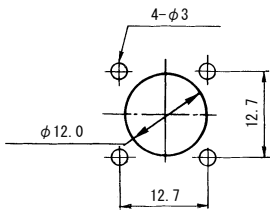
※ Panel Thickness 2.7mm Max.

■ Panel Jack

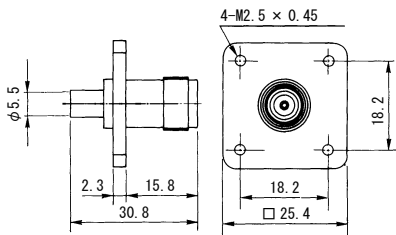
Crimp Type



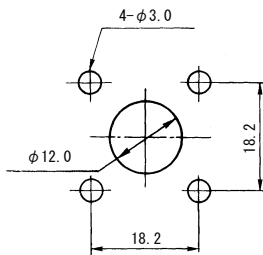
Mounting Hole



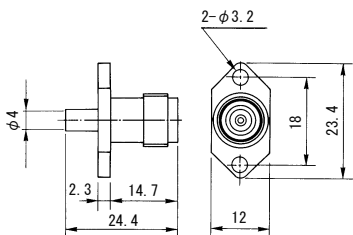
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-PJ-1.5DQEW-CR10	1.5D-QEW	Ni	Ag	CR-H-1142
	1.5D-2W			



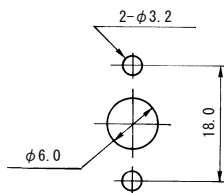
Mounting Hole



P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-PJ-1.5DXW-CR10-M	1.5D-XW	Ni	Ag	CR-H-1100
	1.5D-XWTA			



Mounting Hole

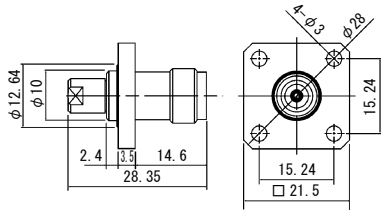


P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
TNC-PJ-2H-1.5D-CR10	1.5D-QEV	Ni	Ag	CR-H-1101
	1.5D-2V			

Unit : mm

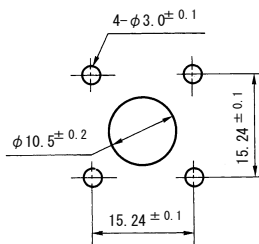
■ Panel Jack

Semi-Rigid and Semi-Flexible Cable Type

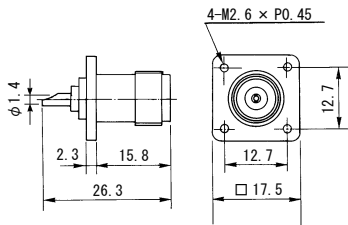


P/N	Applicable Cable	Finish		Note
		Shell	Contact	
TNC-PJ-85-SO-3	FCCAVG1	Ni	Au	with flange and O ring
	UT-85			

Mounting Hole

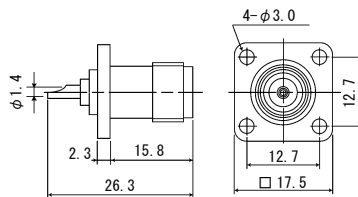
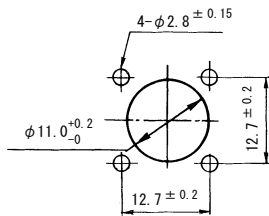


■ Receptacle



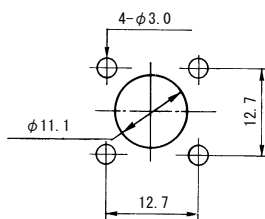
P/N	Finish	
	Shell	Contact
TNC-R	Ag	Au
TNC-R-NiAU	Ni	Au

Mounting Hole

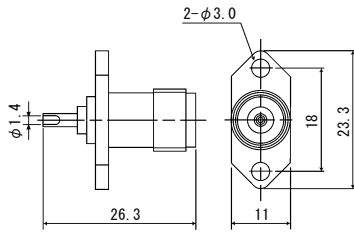


P/N	Finish	
	Shell	Contact
TNC-R2	Ag	Ag
TNC-R2-Ni	Ni	Ag
TNC-R2-NiCAu	Ni	Au

Mounting Hole

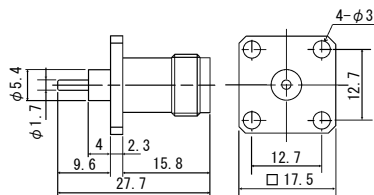
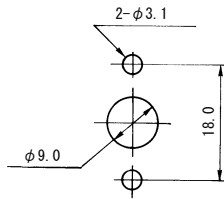


■ Receptacle



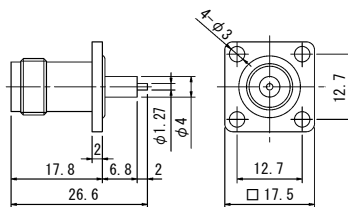
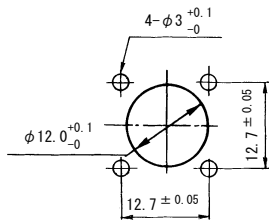
P/N	Finish	
	Shell	Contact
TNC-R2-2H-Ni	Ni	Ag

Mounting Hole



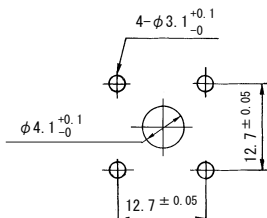
P/N	Finish	
	Shell	Contact
TNC-SR-3	Ni	Au

Mounting Hole

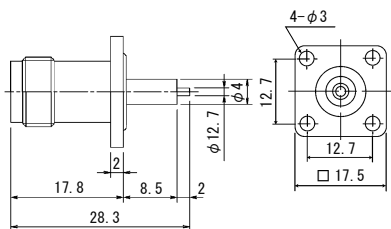


P/N	Finish	
	Shell	Contact
TNC-SR-6	Ni	Au

Mounting Hole

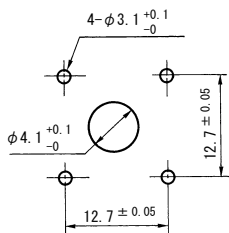


■ Receptacle

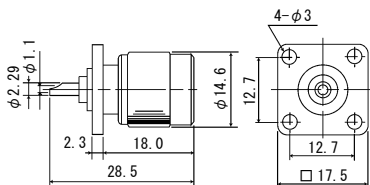


P/N	Finish	
	Shell	Contact
TNC-SR-9	Ni	Au

Mounting Hole

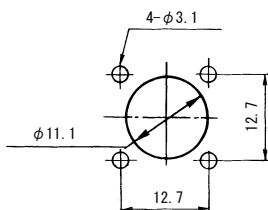


■ Plug Receptacle

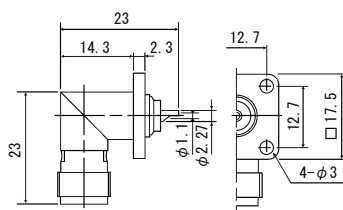


P/N	Finish	
	Shell	Contact
TNC-PR	Ag	Ag

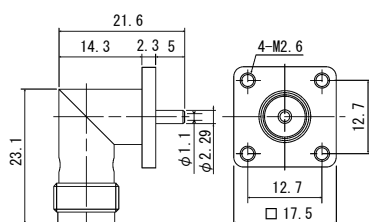
Mounting Hole



■ Right Angle Receptacle



P/N	Finish	
	Shell	Contact
TNC-LR	Ag	Au
TNC-LR-Ni	Ni	Ag



P/N	Finish	
	Shell	Contact
TNC-LR-1	Ag	Ag