

TNC SERIES

MINIATURE COAXIAL CONNECTORS



Description

Fully compatible to prevailing transmission protocols worldwide, Jy Chyun's TNC products feature a precision execution of an optimized structural design ensuring the coupler firmly holds the antenna in place. The line comes in a 50 ohm model and a 75 ohm model, with both compatible for a range of bandwidth ranging from DC to 11 GHz and 1 GHz, respectively. Jy Chyun's TNC products have been widely adopted in antennas, satellite, ATM and data transmission applications.

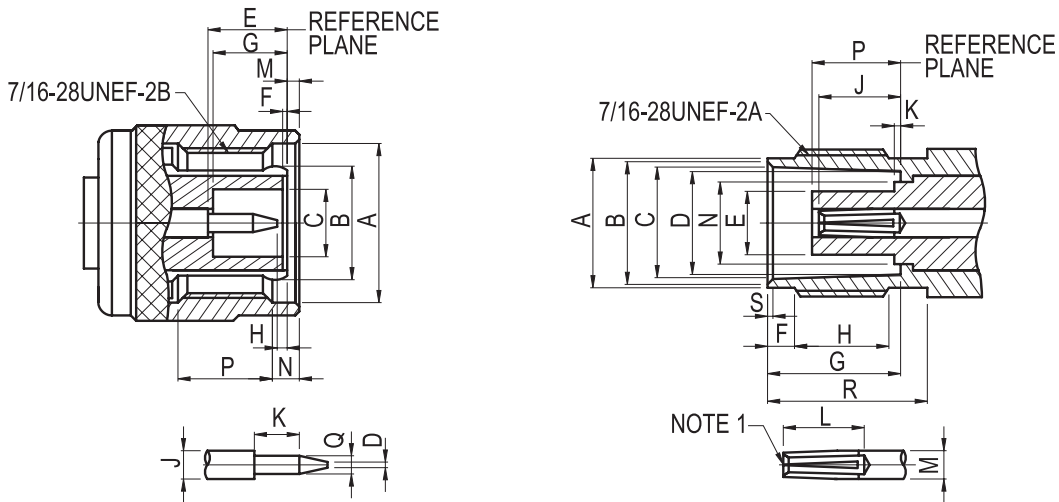
Applications

- Antennas
- Cellular Mobile Phones
- Instrumentation
- Computer Networks / LANs
- Test and Measurement
- Aircraft and Missile
- Microwave Components (Filter,Diplexors)
- Radar
- Base Stations

Specifications

Electrical		Material		
Impedance	50 ohm	Parts Name	Material	Finish
Frequency Range	0 - 11 GHz	Center Contact	Plug: Brass	Gold plated*
Working Voltage	500 Volts rms.		Jack: Phosphor Bronzd(nominal)or Berylium Copper	
Dielectric Withstanding Voltage	1500 Volts rms.	Metal parts	Brass	Nickel*
VSWR	Straight: 1.3 max.	Insulators	Delrin, PBT polyester**	None
	Right Angle: 1.5 max.	Clamp gaskets	Silicone rubber, Synthetic rubber	None
Contact Resistance	Center Contact: 3 milliohms	Crimp Ferrules	Annealed copper	Nickel*
	Outer Contact: 2 milliohms			
Insulation Resistance	5000 megohms min.	*Silver plated body or contact is only available for special requirements **Unless otherwise noted as Teflon		

Interface Mating Dimensions



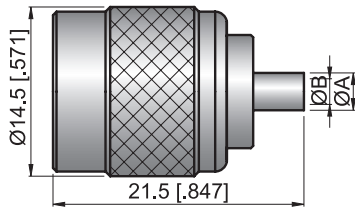
PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	11.18(.440)	-
B	FLARED TO MEET GOOD ELECTRICAL CONTACT	
C	4.83(.190)	-
D	1.32(.052)	1.37(.054)
E	5.33(.210)	5.84(.230)
F	0.15(.006)	0.46(.018)
G	5.28(.208)	5.79(.228)
H	0.08(.003)	1.02(.040)
J	2.06(.081)	2.21(.087)
K	1.98(.078)	-
M	-	1.98(.078)
N	1.60(.063)	-
P	3.96(.156)	-
Q	-	0.64(.025)

JACK		
Letter	Millimeters	
	Minimum	Minimum
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.

Semi-Rigid Cable

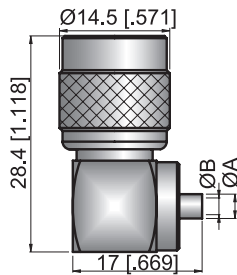
STRAIGHT PLUG, Solder



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5612101S3	Semi-Rigid .085	3.2(.126)	2.2(.087)
TNC-C5612101S4	Semi-Rigid .141	4.6(.181)	3.6(.142)

Semi-Rigid Cable

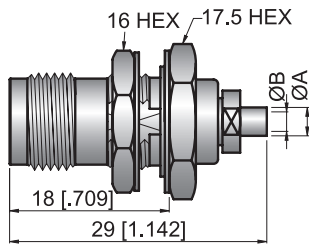
RIGHT ANGLE PLUG, Solder



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5622102S3	Semi-Rigid .085	3.2(.126)	2.2(.087)
TNC-C5622102S4	Semi-Rigid .141	4.6(.181)	3.6(.142)

Semi-Rigid Cable

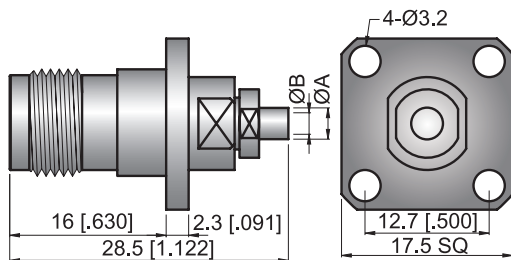
BULKHEAD STRAIGHT JACK, Solder



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5714101S3	Semi-Rigid .085	3.2(.126)	2.2(.087)
TNC-C5714101S4	Semi-Rigid .141	4.6(.181)	3.6(.142)

Semi-Rigid Cable

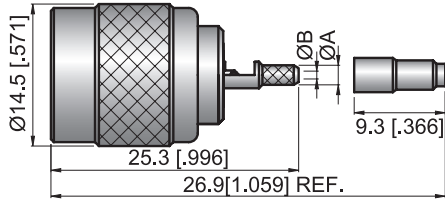
4-HOLE PANEL STRAIGHT JACK, Solder



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5715102S3	Semi-Rigid .085	3.2(.126)	2.2(.087)
TNC-C5715102S4	Semi-Rigid .141	4.6(.181)	3.6(.142)

Flexible Cable

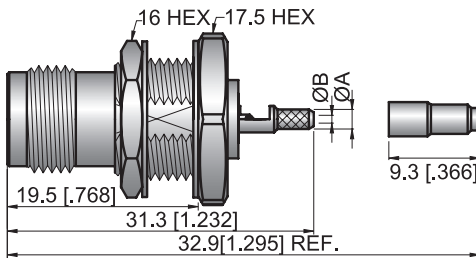
STRAIGHT PLUG, Crimp-SIDE SOLDER TYPE



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5613101M1	Ø1.13/mm	2(.079)	0.8(.031)
TNC-C5613101M2	Ø1.32/mm	1.75(.069)	0.8(.031)
TNC-C5613101M4	Ø1.37/mm	2(.079)	1(.039)
TNC-C5613101R7	RG178.RG196	2(.079)	1(.039)

Flexible Cable

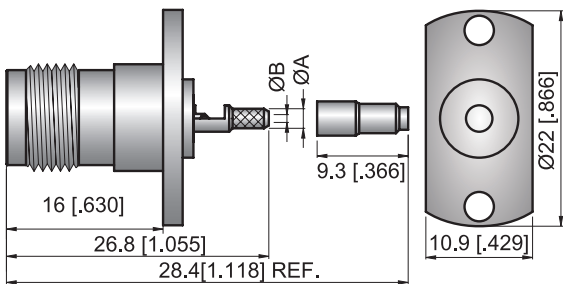
BULKHEAD STRAIGHT JACK, Crimp-SIDE SOLDER TYPE



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5714101M1	Ø1.13/mm	2(.079)	0.8(.031)
TNC-C5714101M2	Ø1.32/mm	1.75(.069)	0.8(.031)
TNC-C5714101M4	Ø1.37/mm	2(.079)	1(.039)
TNC-C5714101R7	RG178.RG196	2(.079)	1(.039)

Flexible Cable

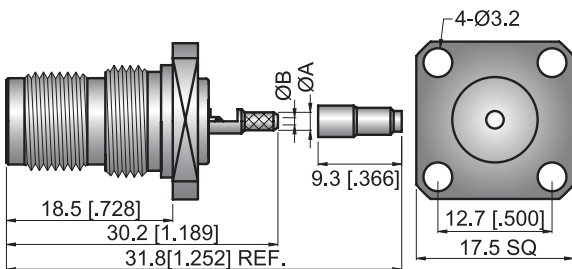
2-HOLE PANEL STRAIGHT JACK, Crimp-SIDE SOLDER TYPE



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5915101M1	Ø1.13/mm	2(.079)	0.8(.031)
TNC-C5915101M2	Ø1.32/mm	1.75(.069)	0.8(.031)
TNC-C5915101M4	Ø1.37/mm	2(.079)	1(.039)
TNC-C5915101R7	RG178.RG196	2(.079)	1(.039)

Flexible Cable

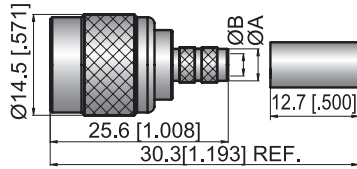
4-HOLE PANEL STRAIGHT JACK, Crimp-SIDE SOLDER TYPE



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5915102M1	Ø1.13/mm	2(.079)	0.8(.031)
TNC-C5915102M2	Ø1.32/mm	1.75(.069)	0.8(.031)
TNC-C5915102M4	Ø1.37/mm	2(.079)	1(.039)
TNC-C5915102R7	RG178.RG196	2(.079)	1(.039)

Flexible Cable

STRAIGHT PLUG, Crimp

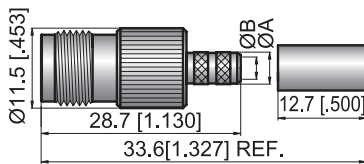


Part Number.	Cable Type	Dimension	
		A	B
TNC-C5611101Y1	YE50	5.3(.209)	4.3(.169)
TNC-C5611101R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5611101R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

*Reverse Polarity Series

Flexible Cable

STRAIGHT JACK, Crimp

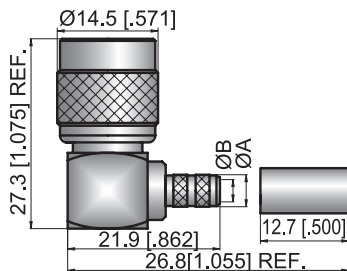


Part Number.	Cable Type	Dimension	
		A	B
TNC-C5711101R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5711105R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

*Reverse Polarity Series

Flexible Cable

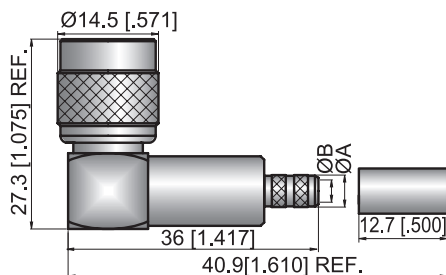
RIGHT ANGLE PLUG, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5621102R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5621102R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

Flexible Cable

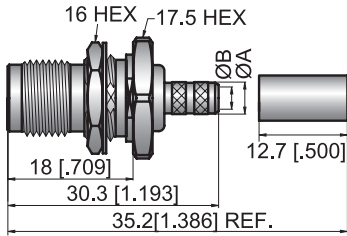
RIGHT ANGLE PLUG, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5621103R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5621103R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

Flexible Cable

BULKHEAD STRAIGHT JACK, Crimp

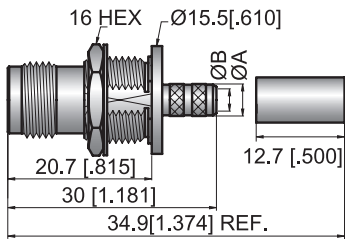


Part Number.	Cable Type	Dimension	
		A	B
TNC-C5714102R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5714102R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

*Reverse Polarity Series

Flexible Cable

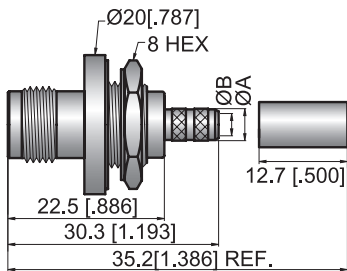
BULKHEAD STRAIGHT JACK, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5714103R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5714103R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

Flexible Cable

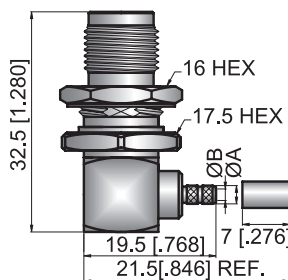
BULKHEAD STRAIGHT JACK, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5714104R4	RG58.RG141.RG303	4.6(.181)	3.2(.126)
TNC-C5714104R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

Flexible Cable

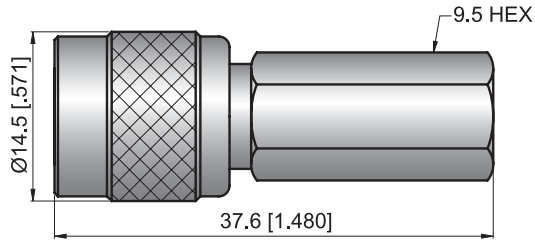
BULKHEAD RIGHT ANGLE JACK, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5724101R5	RG174.RG188.RG316	2.7(.106)	1.7(.067)

Flexible Cable

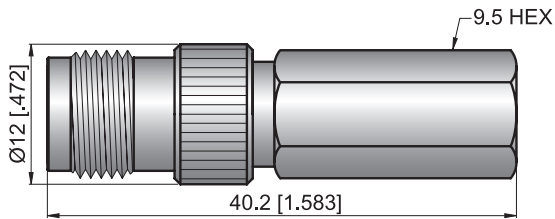
STRAIGHT PLUG, TWIST-ON



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5617104R4	RG58.RG141.RG303		

Flexible Cable

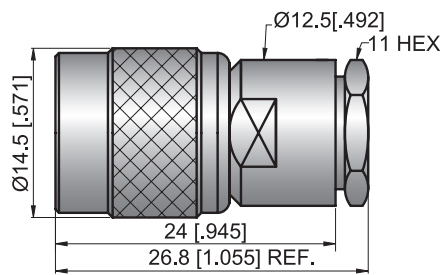
STRAIGHT JACK, TWIST-ON



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5717105R4	RG58.RG141.RG303		

Flexible Cable

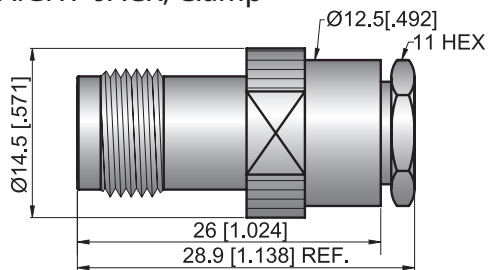
STRAIGHT PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5617105R4	RG58.RG141.RG303		

Flexible Cable

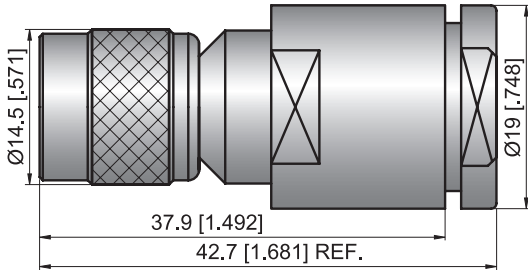
STRAIGHT JACK, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5717106R4	RG58.RG141.RG303		

Flexible Cable

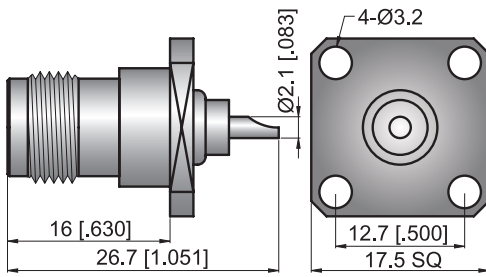
STRAIGHT PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5617101R8	RG214		

Panel Receptacle

PANEL STRAIGHT JACK

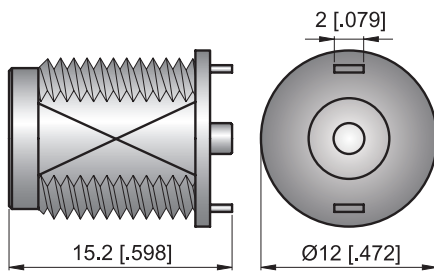


Part Number.	Cable Type	Dimension	
		A	B
TNC-C5715101Z0			

*Reverse Polarity Series

P.C.B SURFACE Mount

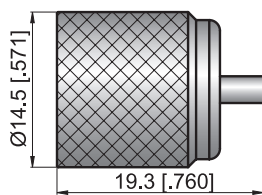
STRAIGHT JACK



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5716102Z0			

Antenna

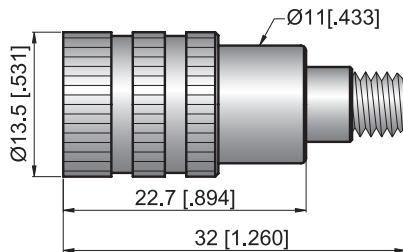
STRAIGHT PLUG, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5611101A1			

Antenna

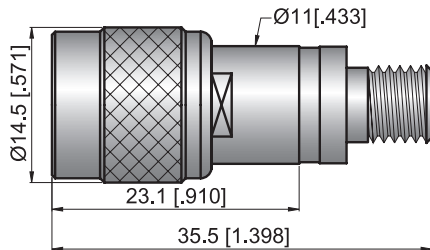
STRAIGHT PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5617108A1			

Antenna

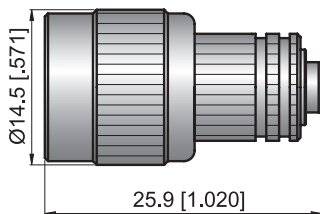
STRAIGHT PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-C5617109A1			

Antenna

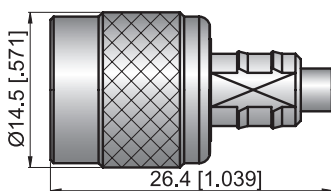
STRAIGHT PLUG, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-E5611107A1			

Antenna

STRAIGHT PLUG, Crimp

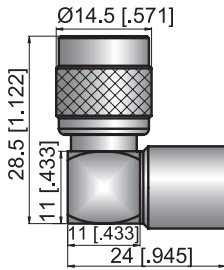


Part Number.	Cable Type	Dimension	
		A	B
TNC-C5611102A1			

*Reverse Polarity Series

Antenna

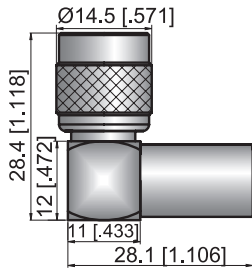
RIGHT ANGLE PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-E5627111A1			

Antenna

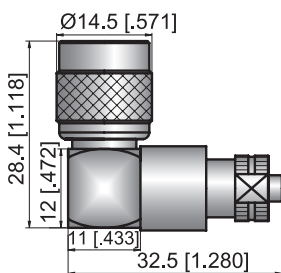
RIGHT ANGLE PLUG, Clamp



Part Number.	Cable Type	Dimension	
		A	B
TNC-E5627112A1			

Antenna

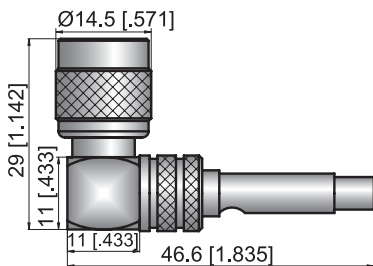
RIGHT ANGLE PLUG, Crimp



Part Number.	Cable Type	Dimension	
		A	B
TNC-E5621113A1			

Antenna

RIGHT ANGLE PLUG, Solder



Part Number.	Cable Type	Dimension	
		A	B
TNC-E5622114A1			