



BNC Connectors

KLS offers 50 and 75 ohm BNC connectors. Please visit following pages for details.

The **BNC** connector (Bayonet Neill–Concelman) is a common type of RF connector used for coaxial cable. It is used with radio, television, and other radio-frequency electronic equipment, test instruments, video signals, and was once a popular computer network connector.

The **BNC** connectors are made to match the characteristic impedance of cable at either 50 ohms or 75 ohms. It is usually applied for frequencies below 3 GHz [1] and voltages below 500 Volts. [2] Similar connectors using the bayonet connection principle exist, and a threaded connector is also available.

Family:

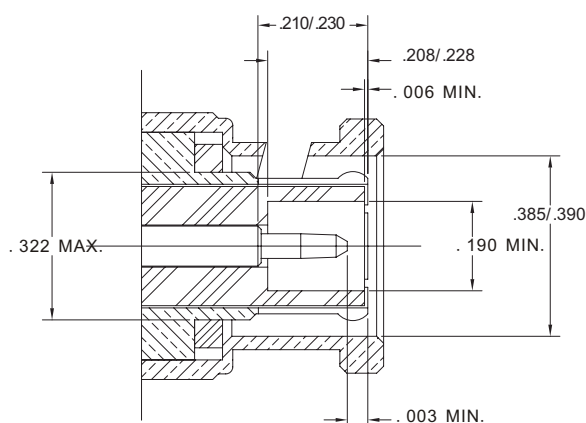
[BNC Plugs](#)[BNC Jacks](#)[BNC Adapters](#)

Under construction

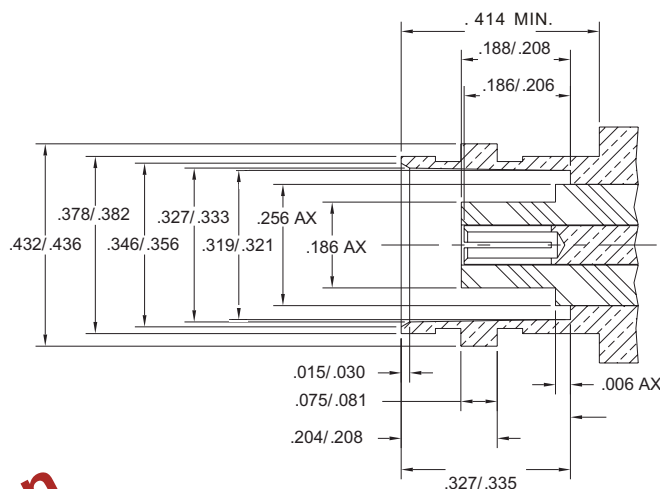
■ Material

Body and outer contacts	Brass, nickel plated
Male contact	Brass, gold plated
Female contact	Beryllium copper or phosphor bronze, gold or silver plated
Crimp ferrule	Copper or brass, nickel plated
Other metal parts	Brass, nickel plated (except M39012 silver plated)
Insulator	PTFE, copolymer of styrene, glass TFE (hermetically sealed)
Gasket	Silicone rubber

■ Dimension (Unit/Inch/1 inch=25.4mm)



Plug



Jack

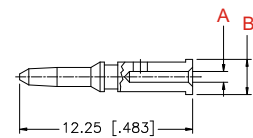
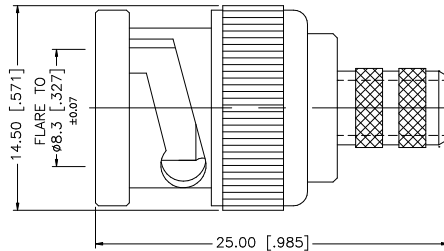
■ Main characteristic

Temperature Range	-65 ~ +165 ° C (PE Cable -40 ~ +85 ° C)
Vibration	MIL-STD-202, Method 213
Impedance	50Ω, 75Ω
Frequency	Up to 4GHZ
Working Voltage	500V Max.
Dielectric withstanding Voltage	1500V rms
Contact resistance between internal contact	≤ 1.5 mΩ
Contact resistance between outer conduct:	≤ 1 mΩ
Insulation resistance:	≥ 5000 MΩ
VSWR Straight:	≤ 1.22
VSWR curved:	≤ 1.30
The Durability:	≥ 500 times(cycles)

■ Meet Standard

MIL-C-39012
CECC 22120
IEC 60169-8

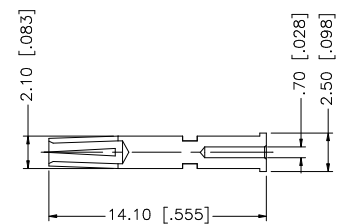
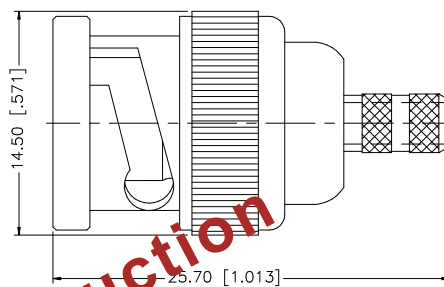
■ BNC Plugs Straight Crimp



Dimension/Inch

Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

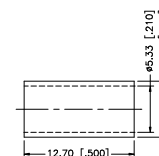
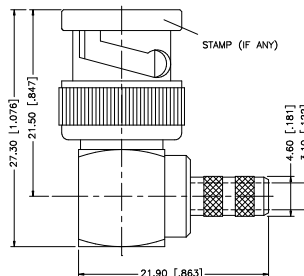
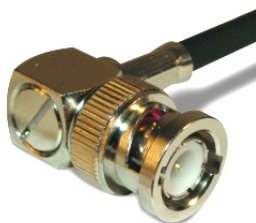
■ RP-BNC Plugs Straight Crimp



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

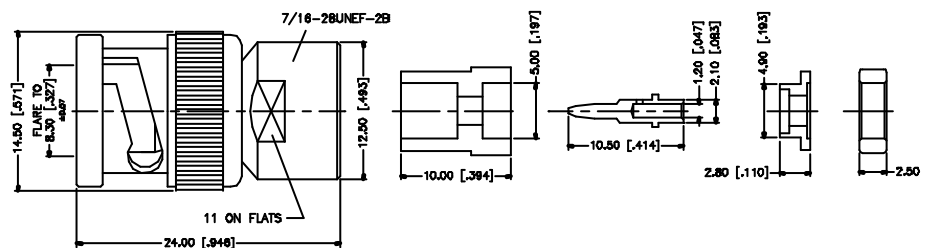
* RP-TNC Reverse-polarity TNC

■ BNC Plugs Right Angle Crimp



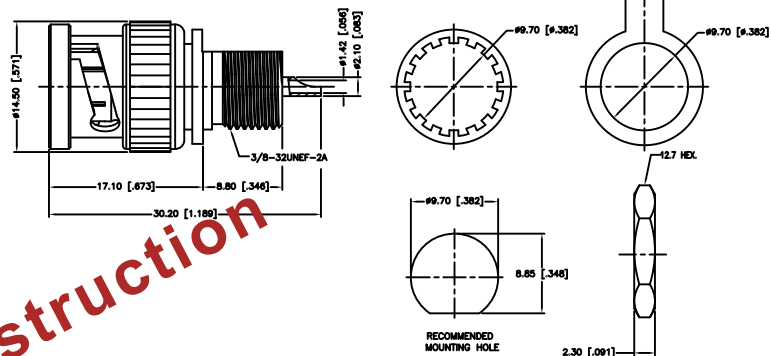
Art No.
37-622-49
37-622-50
37-622-51

■ BNC Plugs Straight Screw Connection



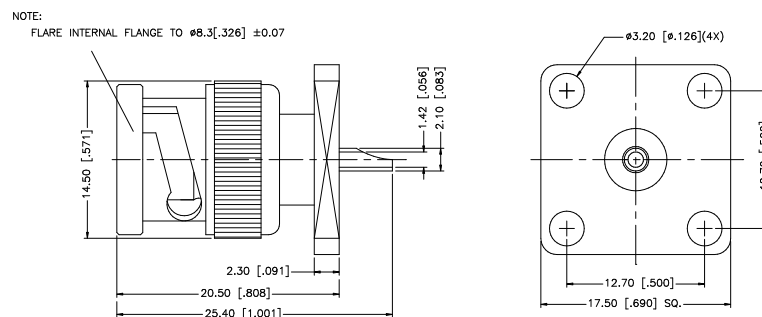
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Plugs Straight Solder Cup Bulkhead



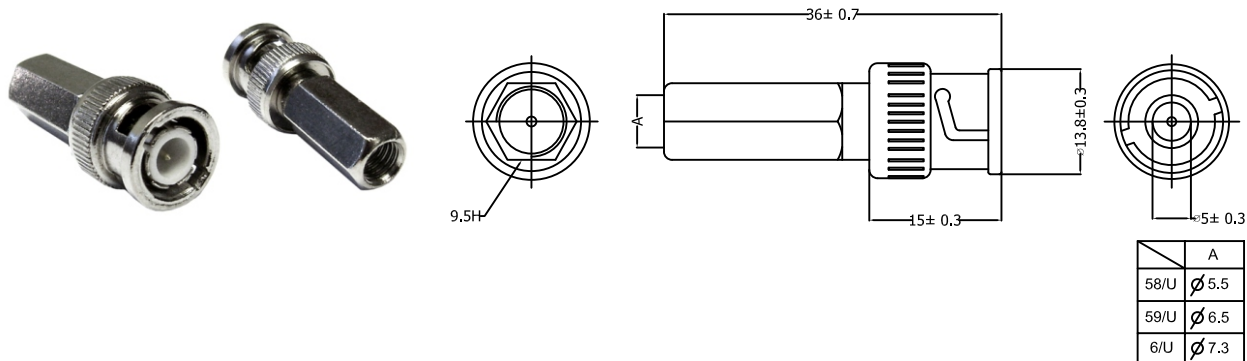
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Plugs Straight Solder Cup Flange Pannel Mount



Art No.
37-622-49
37-622-50
37-622-51

■ BNC Plugs Straight Twist-On



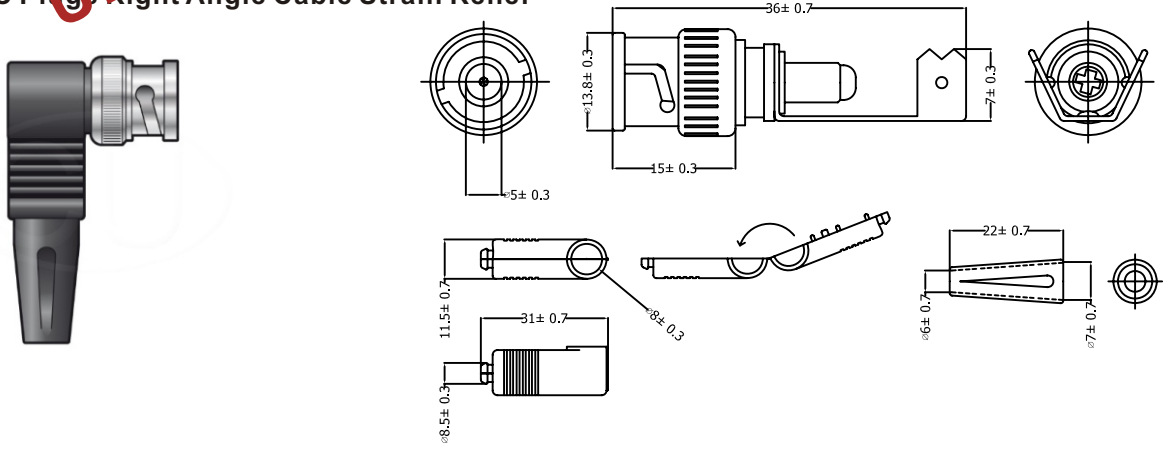
Art No.	KLS P/N	Suitable Cable	Size A	Size B
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37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Plugs Right Angle Twist-On



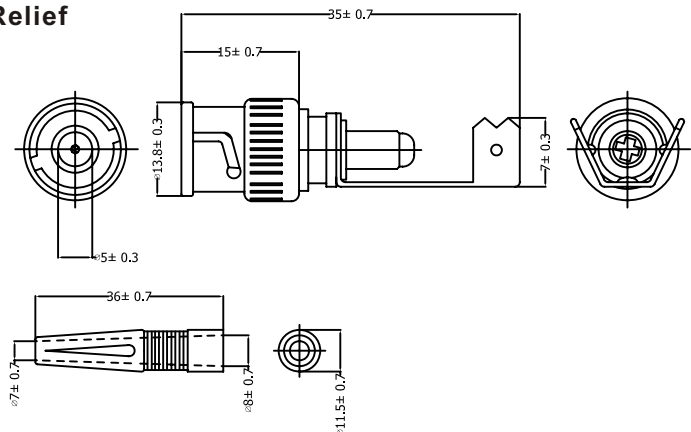
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Plugs Right Angle Cable Strain Relief



Art No.
37-622-49
37-622-50
37-622-51

■ BNC Plugs Straight Cable Strain Relief



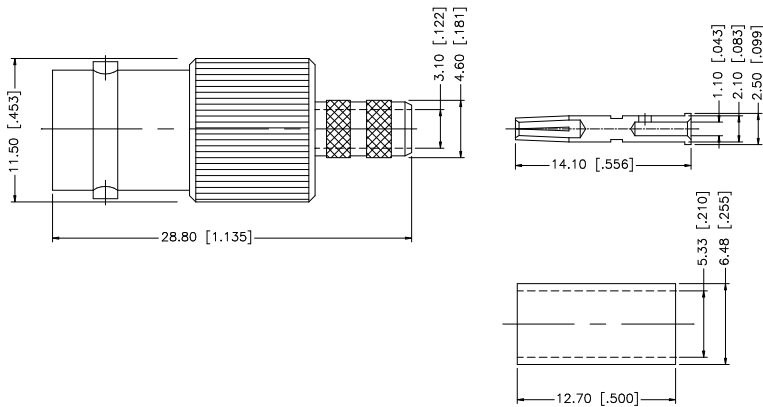
Art No.	KLS P/N	Suitable Cable	Size A	Size B
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37-622-50		RG59/U		
37-622-51		RG174/U		



Under construction

BNC Jacks and Adapters

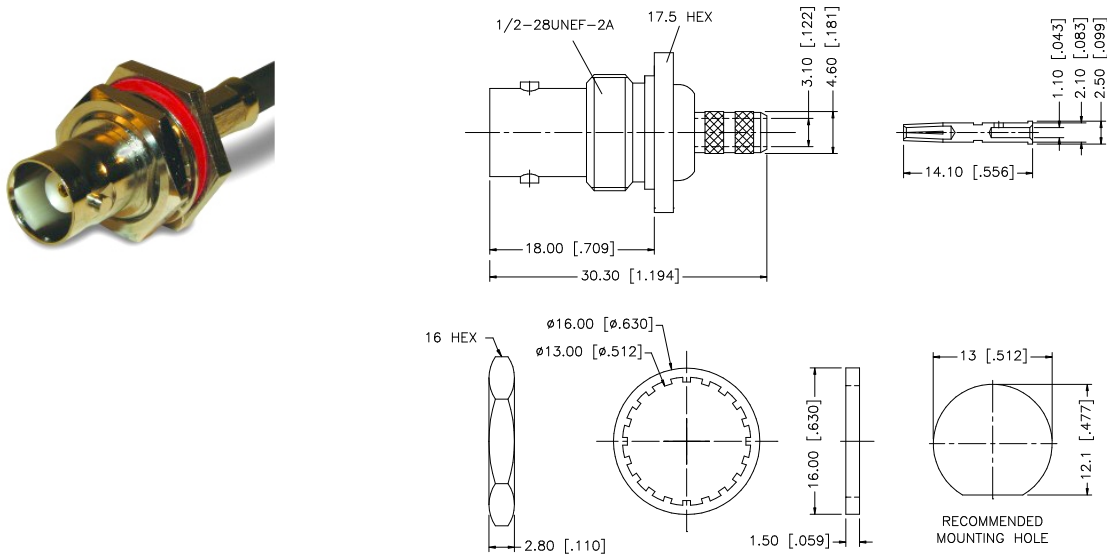
BNC Jacks Straight Crimp



Art No.
37-622-49
37-622-50
37-622-51

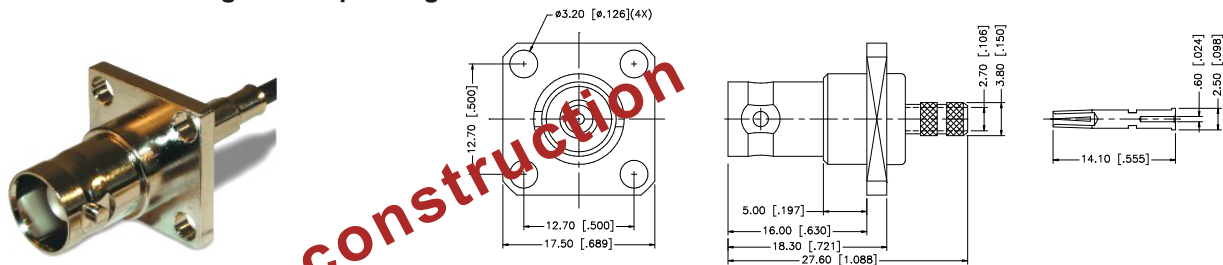
All specification & Dimension are subject to change , please call to KLS

■ BNC Jacks Straight Crimp Bulkhead Panel Mount



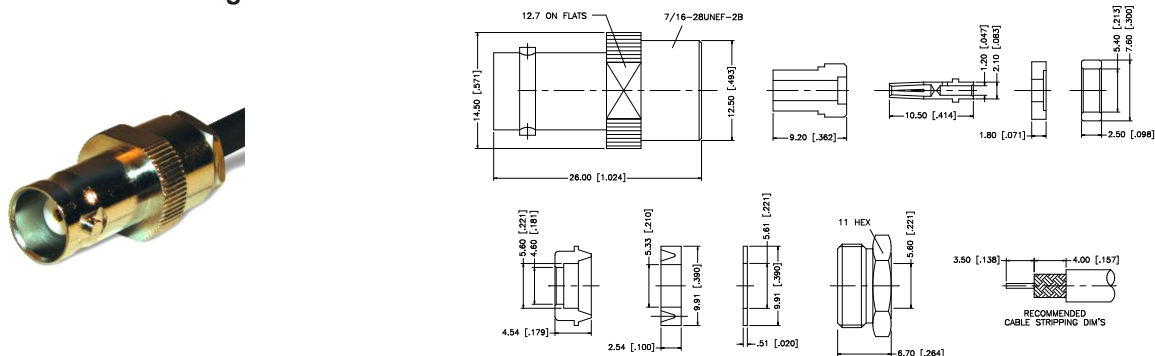
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Jacks Straight Crimp Flange 4 Screw Holes



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

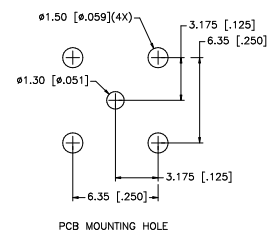
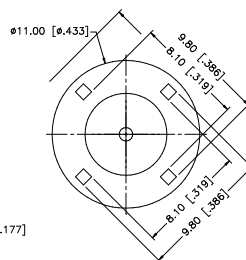
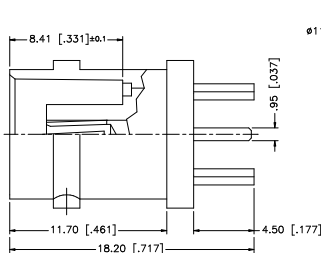
■ BNC Jacks Straight Screw Connection



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

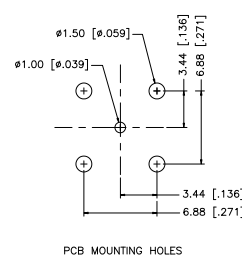
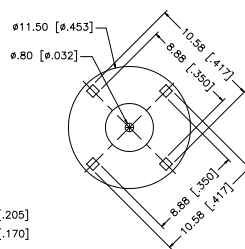
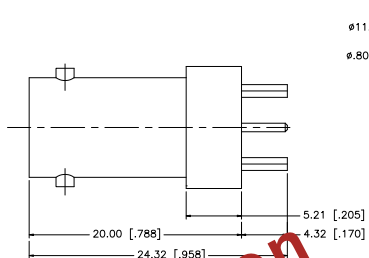
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■ BNC Jacks Straight PCB Through Hole



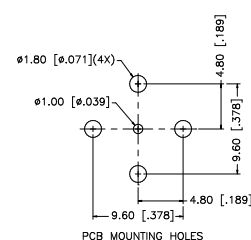
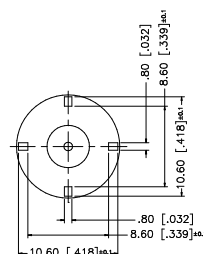
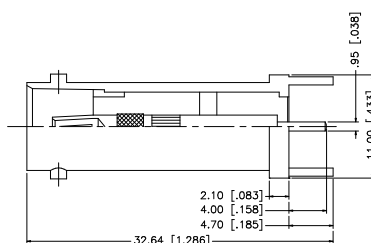
Art No.	KLS P/N	Suitable Cable	Size A	Size B
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37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Jacks Straight PCB Through Hole



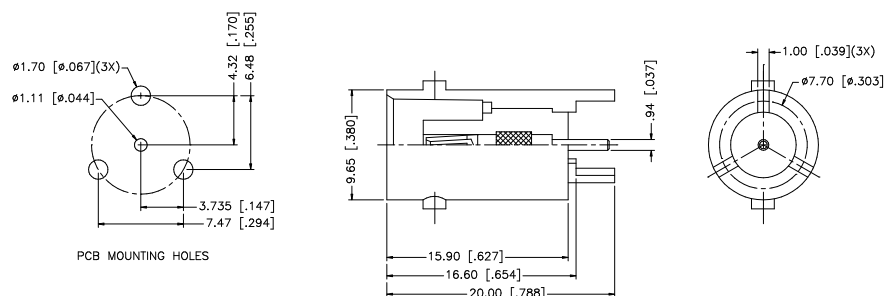
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Jacks Straight PCB Through Hole



Art No.
37-622-49
37-622-50
37-622-51

■ BNC Jacks Straight PCB Through Hole



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Jacks Straight Flange Solder Cup

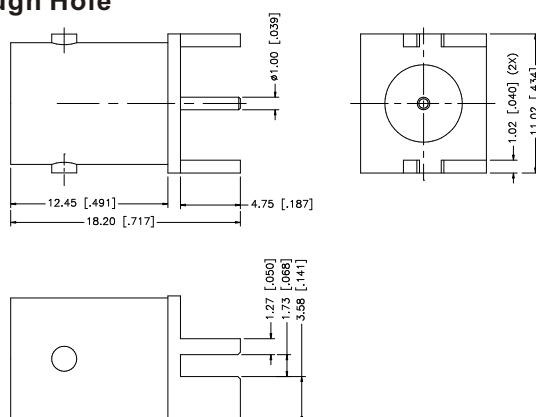


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Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

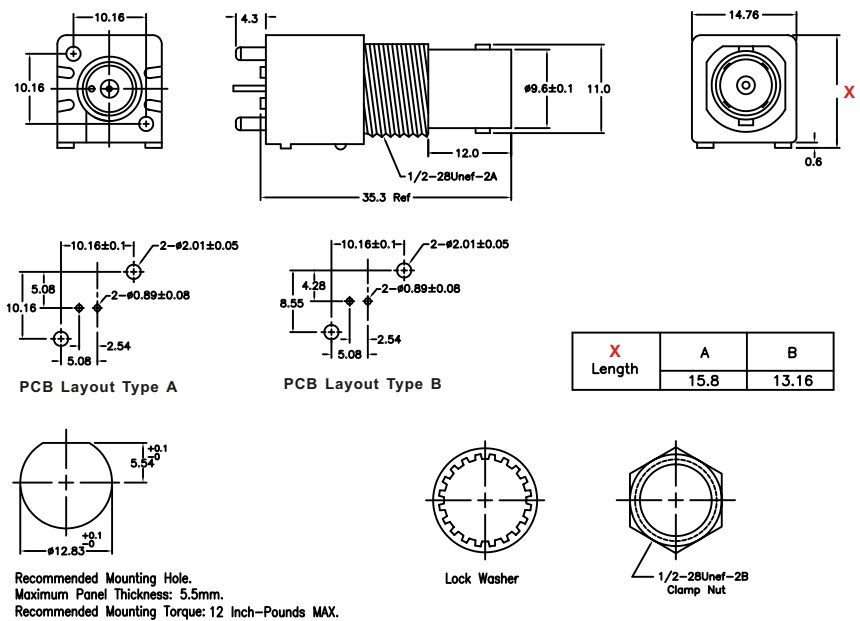
■ BNC Jacks Straight PCB Through Hole



Art No.
37-622-49
37-622-50
37-622-51

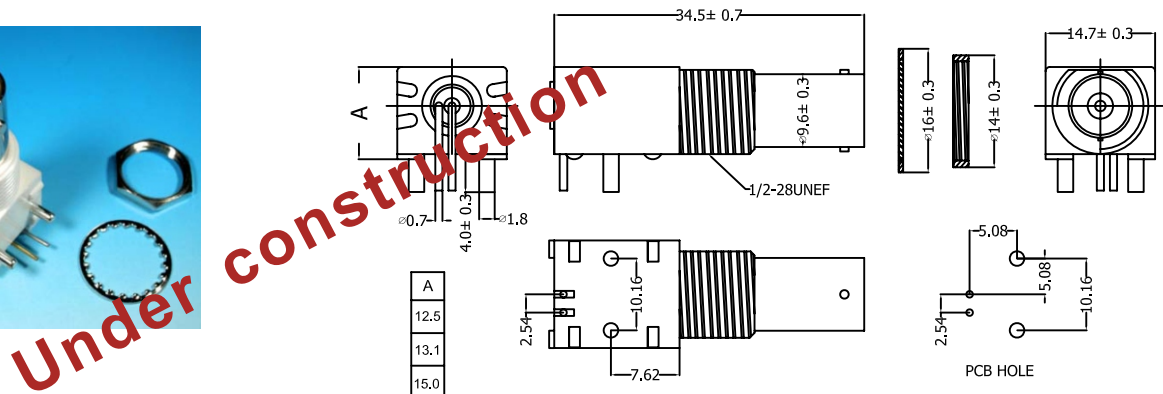
All specification & Dimension are subject to change , please call to KLS

■ BNC Jacks Straight PCB Through Hole Plastic Housing Bulkhead



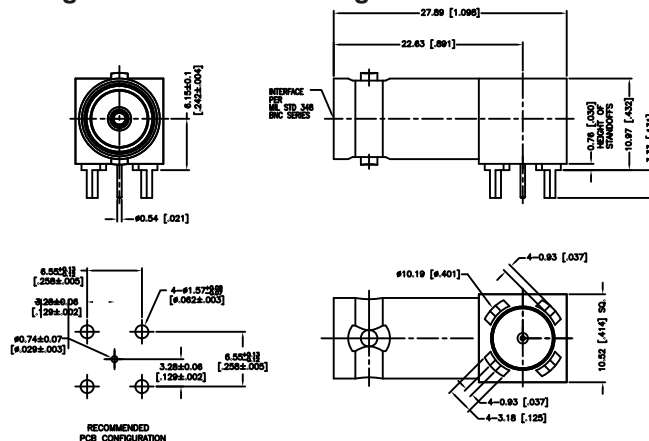
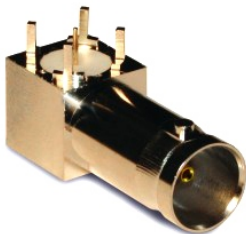
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		

■ BNC Jacks Right Angle PCB Through Hole Plastic Housing Bulkhead



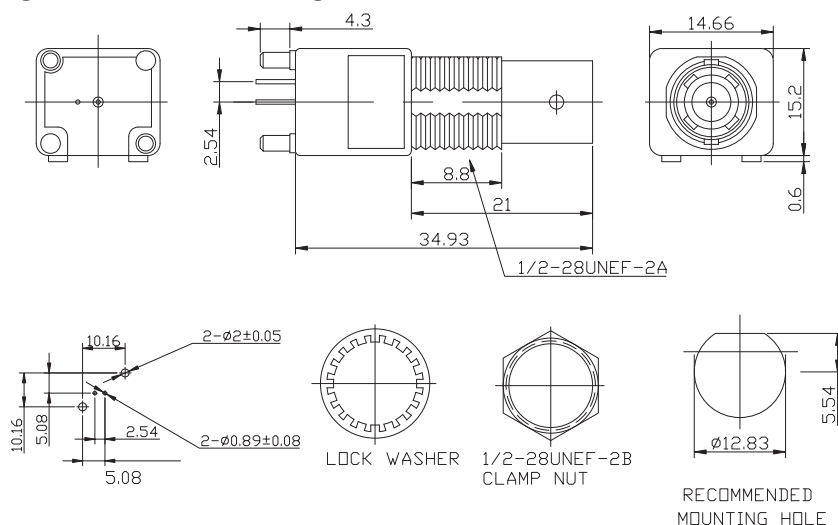
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Jacks Right Angle PCB Through Hole Metal Housing



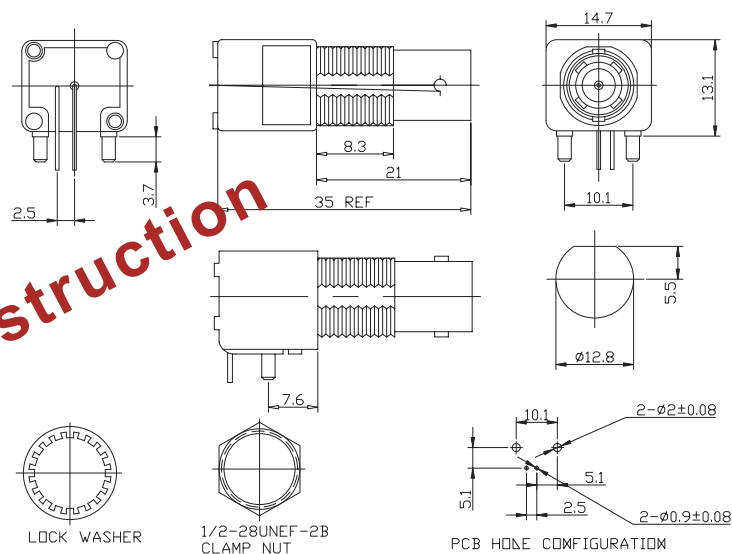
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Jacks Straight PCB Through Hole Metal Housing



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		

■ BNC Jacks Right Angle PCB Through Hole Metal Housing Bulkhead



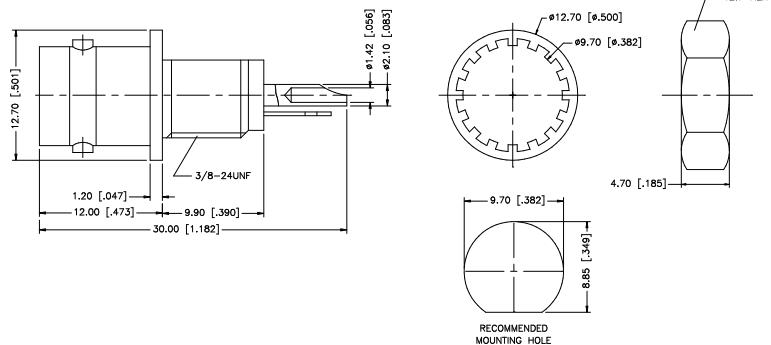
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Jacks Right Angle PCB Through Hole Plastic Housing

Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

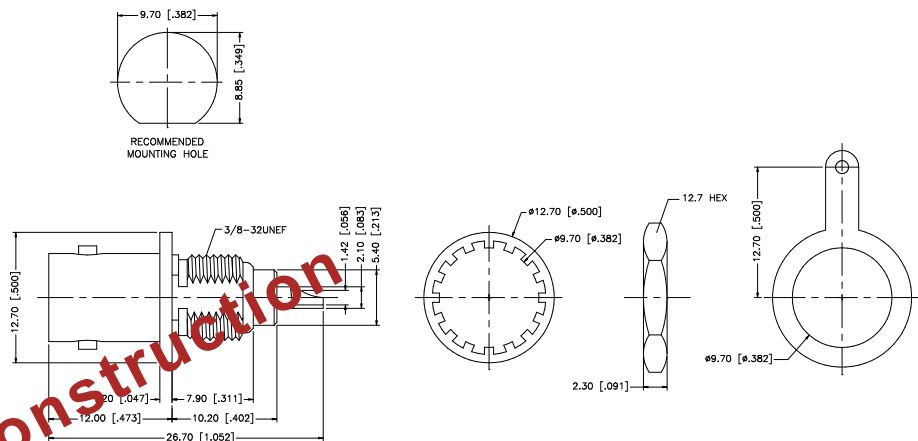
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■ BNC Jacks Straight Solder Cup Bulkhead Isolated



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		
37-622-50		RG59/U		
37-622-51		RG174/U		

■ BNC Jacks Straight Solder Cup Bulkhead



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

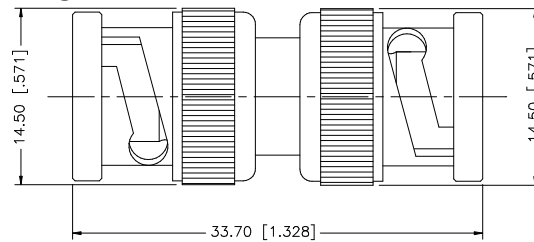
■ BNC Jacks Right Angle PCB Through Hole Plastic Housing

Art No.
37-622-49
37-622-50

All specification & Dimension are subject to change , please call to KLS

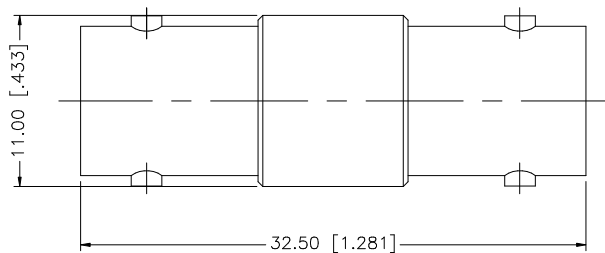
BNC Adapters

■ BNC Adapters BNC Plug To BNC Plug



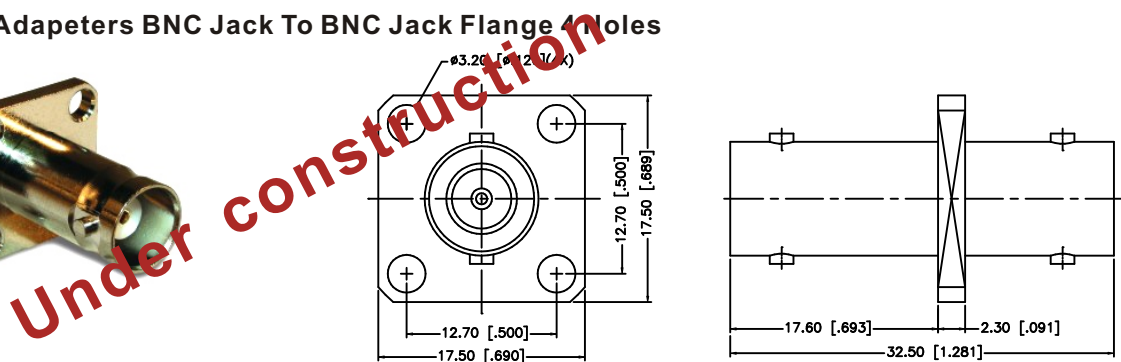
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Adapters BNC Jack To BNC Jack



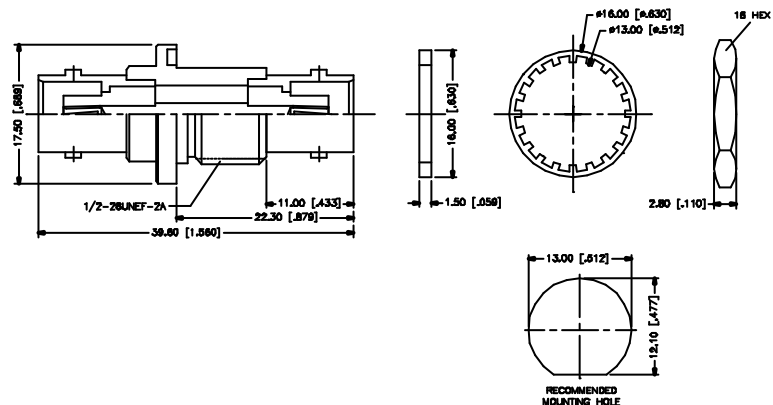
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Adapters BNC Jack To BNC Jack Flange 4 Holes



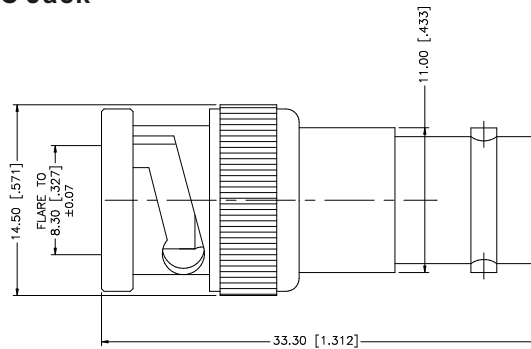
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Adapters BNC Jack To BNC Jack Bulkhead



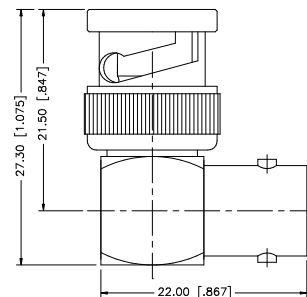
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Adapters Straight BNC Plug To BNC Jack



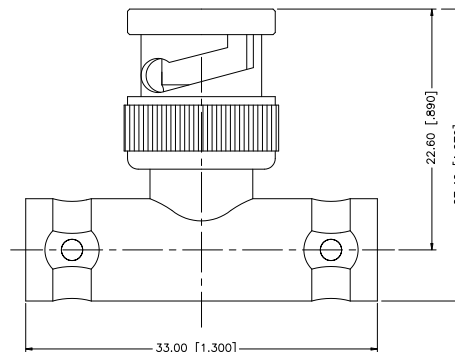
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC Adapters Right angle BNC Plug To BNC Jack



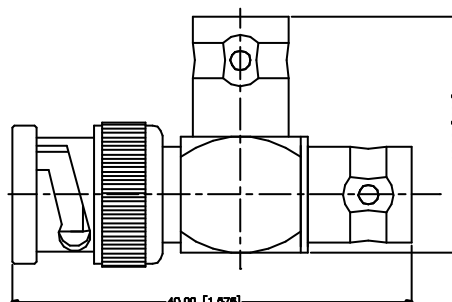
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC TEE Adapters Jack-Plug-Jack



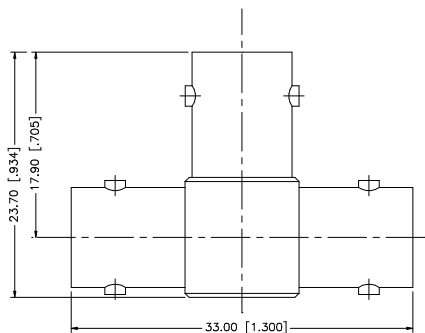
Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC TEE Adapters Plug-Jack-Jack



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

■ BNC TEE Adapeters Jack-Jack-Jack



Art No.	KLS P/N	Suitable Cable	Size A	Size B
37-622-49		RG58/U		

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