

1.6/5.6 DIN connectors are push on and push on threaded connectors are named after their outer diameter of the inner conductor and inner diameter of the outer conductor.

The major advantage of this connector is that the plug and socket could be mounted on panels and plugged together.



Series 1.6/5.6 DIN

Microminiature Coaxial Connector

Technical Data

Material Data

Cable Connector

PCB Connector

Adaptor within-Series

Microminiature Coaxial Connector

Description

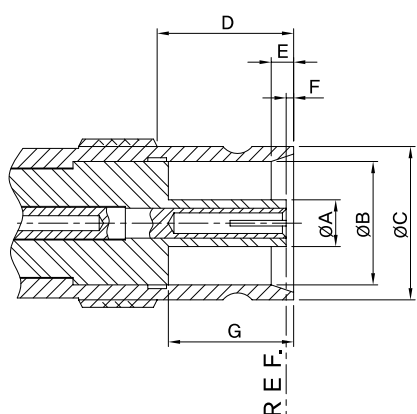
1.6/5.6 DIN connectors are push on and push on threaded connectors are named after their outer diameter of the inner conductor and inner diameter of the outer conductor. The major advantage of this connector is that the plug and socket could be mounted on panels and plugged together.

Contents

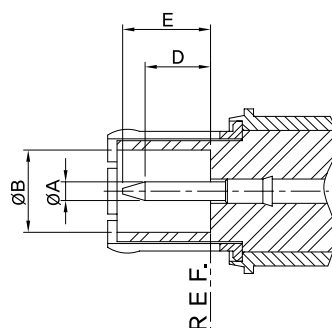
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Interface Dimensions

Plug (Male)



Jack (Female)



Interface Dimensions in mm/inch

	Plug (Male)		Jack (Female)	
	Min.	Max.	Min.	Max.
A	-	3.80/0.150	0.97/0.038	1.03/0.041
B	6.60/0.260	6.69/0.263	4.00/0.157	-
C	8.10/0.319	8.25/0.325	-	-
D	7.00/0.276	7.50/0.295	3.90/0.154	4.30/0.169
E	0.90/0.035	1.10/0.043	5.40/0.213	5.50/0.217
F	0.25/0.010	-	-	-
G	6.70/0.264	-	-	-

Technical Data

Requirement

ELECTRICAL DATA

Impedance	75Ω
Frequency range	DC 1GHz
Dielectric withstanding voltage (at sea level)	1.5 KV rms, 50 Hz
Working voltage (at sea level)	≤ 300 V rms, 50 Hz
Insulation resistance	≥ 500 MΩ
Contact resistance	
- Center contacts	≤ 4 mΩ
- Outer contacts	≤ 2.0 mΩ

Specification

TEST REQUIREMENTS

MECHANICAL DATA

Engagement force	≥ 12 N / 2.76 lbs
Disengagement force	≥ 2.2 N / 0.5 lbs
Durability (matings)	≥ 500

TEST REQUIREMENTS

Material Data

Connector Part	Material		Plating
	Male	Female	
PIN	Brass	Beryllium-Copper	Gold
INSULATOR	PTFE	PTFE	-
BODIES	Brass	Brass	Gold & Nickel
JACK	-	Beryllium-Copper	Gold
COUPLING	Brass	-	Nickel
NUT	-	Brass	Nickel
WASHER	-	Brass	Nickel

Cable Connector

● Straight Cable Plug(male)

For flexible cable
Screw-On Type
Cable entry crimp
Centre Contact Soldered

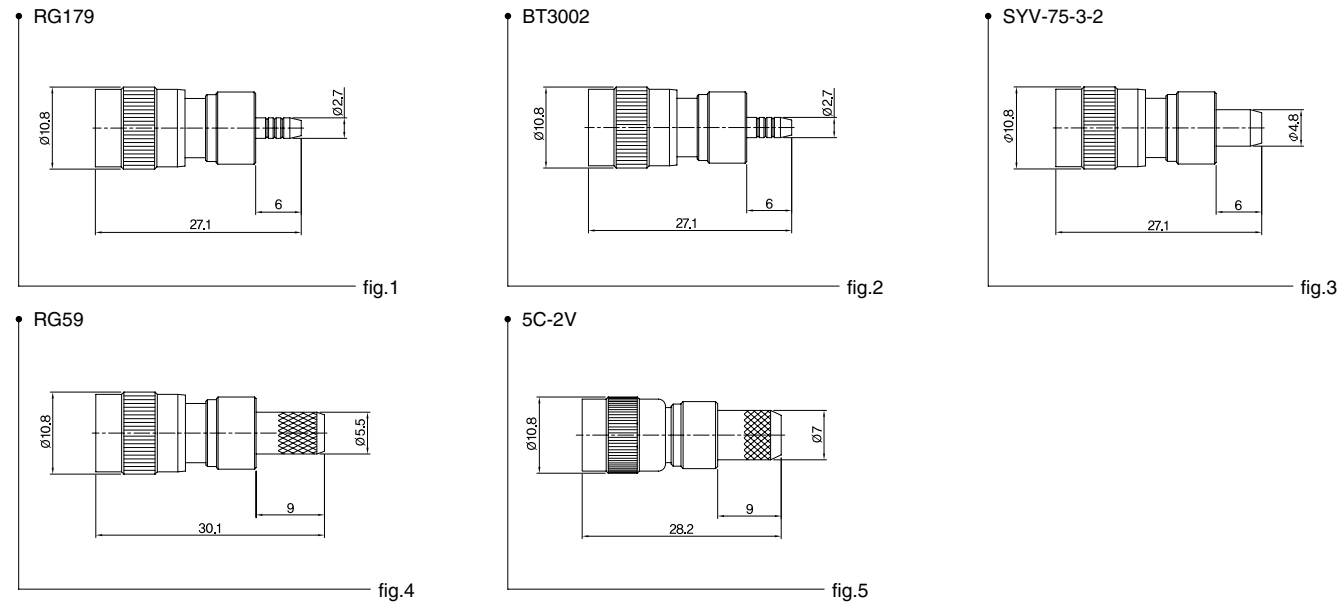


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	1.6/5.6DIN75-PC-179	K318-074-000	CN3911X04-001-1/1	X04 RG179	Gold	Nickel	Nickel		
2	1.6/5.6DIN75-PC-BT-3002	K318-073-000	CN3911X22-001-1/1	X22 BT3002	Gold	Nickel	Nickel		
3	1.6/5.6DIN75-PC-SYV-75-3-2	K318-075-000	CN3911X21-001-1/1	X21 SYV-75-3-2	Gold	Nickel	Nickel		
4	1.6/5.6DIN75-PC-59	K318-084-000	CN3911X09-001-1/1	X09 RG59	Gold	Nickel	Nickel		
5	1.6/5.6DIN75-PC-5C-2V	K318-083-000	CN3911X10-001-1/1	X10 5C-2V	Gold	Nickel	Nickel		

● Right Angle Cable Plug (male)

For flexible cable
Screw-On Type
Cable entry crimp
Centre Contact Soldered

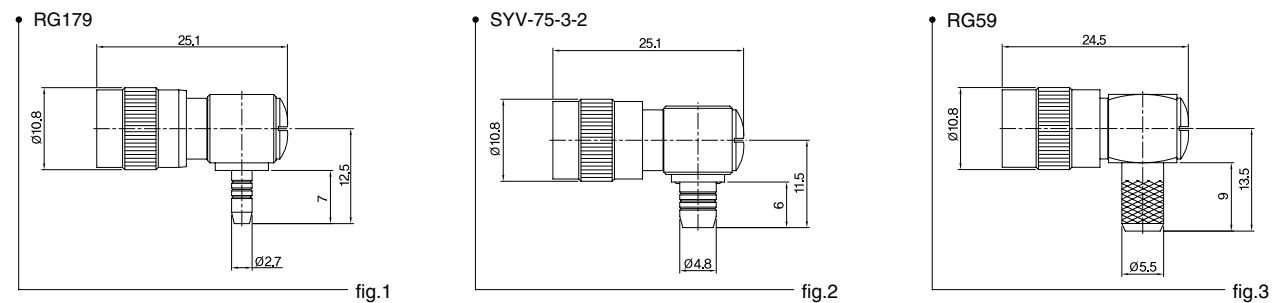


Fig	Type	Code		Cable Goup (example)	Plating			AS-In	Note
		Old Code	New Code		Pin	Body	Coupling		
1	1.6/5.6DIN75-LPC-179	K318-124-000	CN3931X04-001-1/1	X04 RG179	Gold	Nickel	Nickel		
2	1.6/5.6DIN75-LPC-SYV-75-3-2	K318-123-000	CN3931X21-001-1/1	X21 SYV-75-3-2	Gold	Nickel	Nickel		
3	1.6/5.6DIN75-LPC-59	K318-125-000	CN3931X09-001-1/1	X09 RG59	Gold	Nickel	Nickel		

● Straight Bulkhead Cable Jacks (female)

For flexible cable
Screw-On + Slide-On Type
Cable entry crimp
Centre Contact Soldered

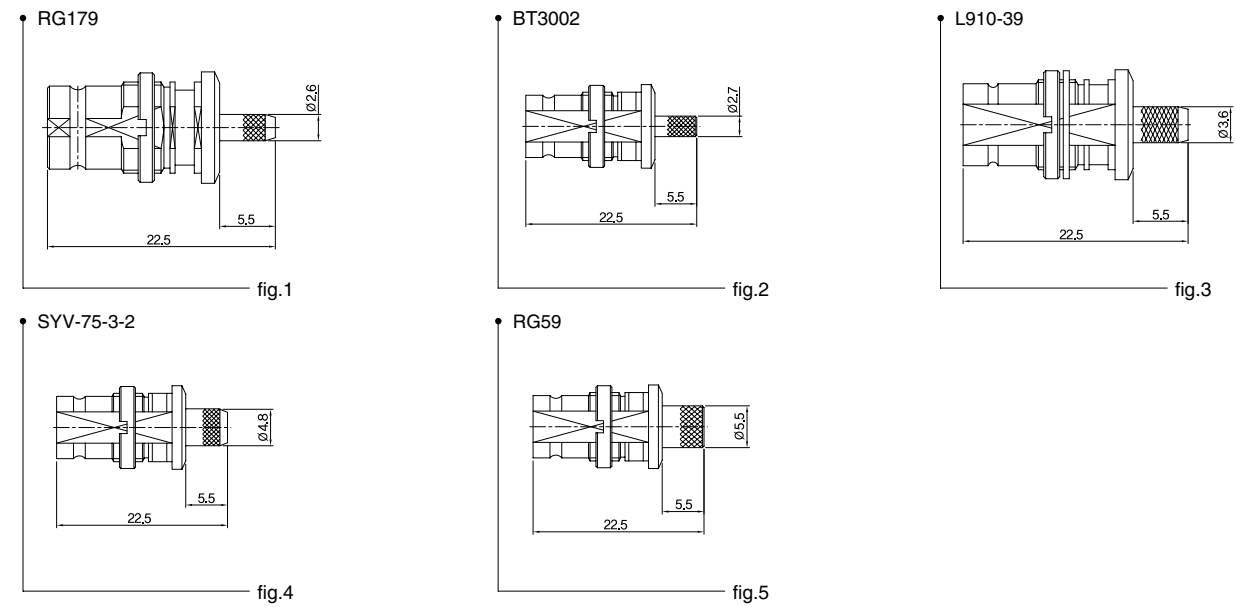


Fig	Type	Code		Cable Goup (example)	Plating		AS-In	Note
		Old Code	New Code		Pin	Body		
1	1.6/5.6DIN75-BJ-C-179	K318-351-000	CN3922X04-001-1/1	X04 RG179	Gold	Gold		
2	1.6/5.6DIN75-BJ-C-BT3002	K318-357-000	CN3922X22-001-1/1	X22 BT3002	Gold	Gold		
3	1.6/5.6DIN75-BJ-C-L910-39	K318-355-000	CN3922X05-001-1/1	X05 L910-39	Gold	Nickel		
4	1.6/5.6DIN75-BJ-C-SYV-75-3-2	K318-356-000	CN3922X21-001-1/1	X21 SYV-75-3-2	Gold	Gold		
5	1.6/5.6DIN75-BJ-C-59	K318-352-000	CN3922X09-001-1/1	X09 RG59	Gold	Gold		

● Right Angle Cable Jacks (female)

For flexible cable
Screw-On + Slide-On Type
PCB Soldered
Cable entry crimp

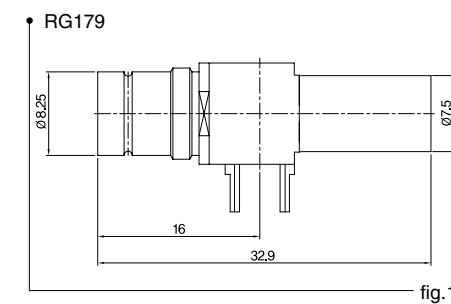


Fig	Type	Code		Cable Goup (example)	Plating		AS-In	Note
		Old Code	New Code		Pin	Body		
1	1.6/5.6DIN75-LJ-4R-C-179	K318-353-000	CN3953X04-001-1/1	X04 RG179	Gold	Gold		

PCB Connector

Straight PCB Jack (female)

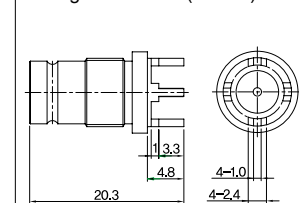


fig.1

Right Angle PCB Jacks (female)

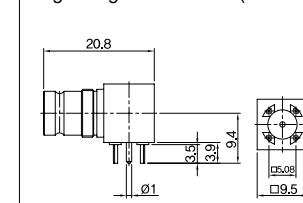


fig.2

Right Angle PCB Jacks (female)

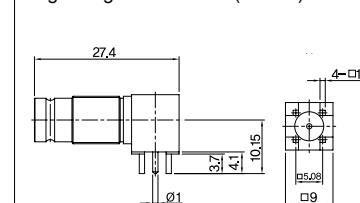


fig.3

Fig	Type	Code		Plating			Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body	Coupling			
1	1.6/5.6DIN75-J-4R-R	K318-566-000	CN3951000-001-1/1	Gold	Gold		ML35		
2	1.6/5.6DIN75-LJ-4R-R	K318-666-000	CN3953000-001-1/1	Gold	Gold		ML8		
3	1.6/5.6DIN75-LBJ-4R-R	K318-666-002	CN3954000-001-1/1	Gold	Gold		ML9		

Adaptor within-Series

Straight Adaptor Plug to Plug (male)

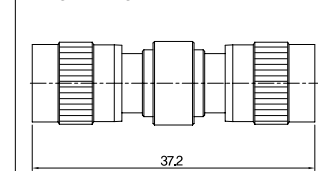


fig.1

Bulkhead mounted Jack to Jack (female)

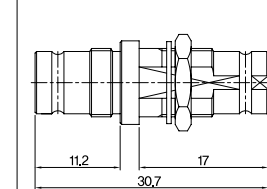


fig.2

Plug to Jack (male + female)

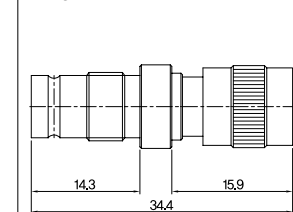


fig.3

U-Link

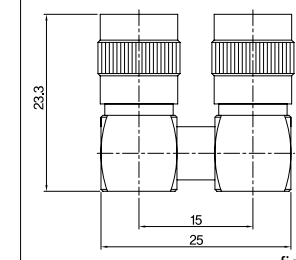
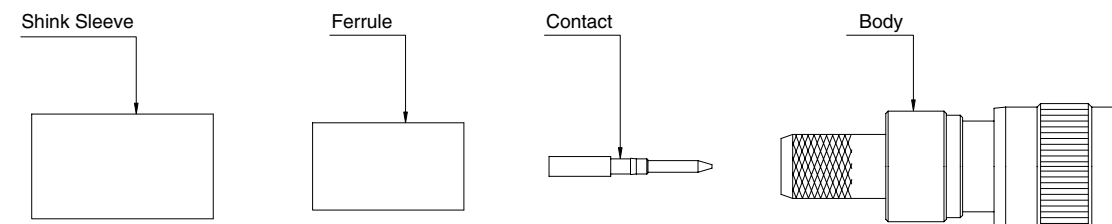


fig.4

Fig	Type	Code		Plating			Mounting Hole	AS-In	Note
		Old Code	New Code	Pin	Body	Coupling			
1	1.6/5.6DIN75-A-PP	K318-792-000	AD3911-001-1/1	Gold	Nickel	Nickel	-		
2	1.6/5.6DIN75-BA-JJ	K318-795-000	AD3922-001-1/1	Gold	Gold	-	-		
3	1.6/5.6DIN75-A-JP	K318-794-000	AD3913-001-1/1	Gold	Gold	Nickel	-		
4	1.6/5.6DIN75-U/LINK P-P	K318-790-000	AD3961-001-1/1	Gold	Nickel	Nickel	-		

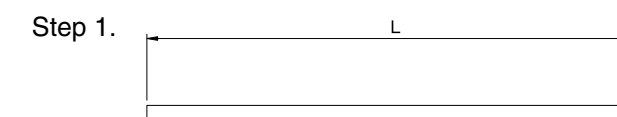
STANDARD CRIMP



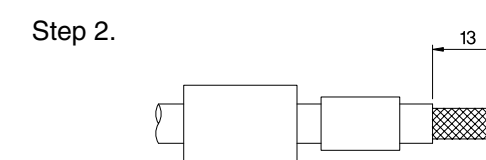
CONNECTORS

- K318-074
- K318-084

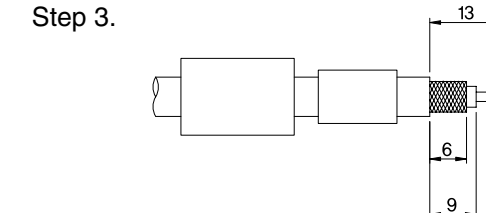
1. Cut the cable as much as required.



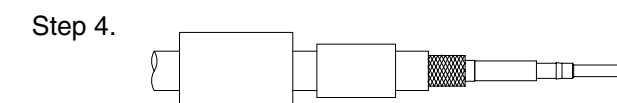
2. Insert the ferrule and the heat shrink sleeve into the cable and strip off the outer sheath.



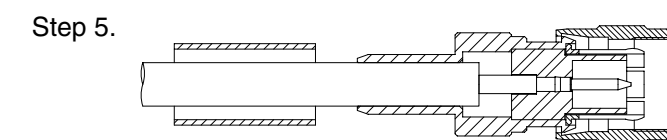
3. Strip off the out conductor and the center conductor as shown in the diagram.



4. After preparing the center conductor, insert the center contact into the center conductor and solder.



5. After inserting the center contact and the dielectric core of the cable into the body to be wrapped with the above portion of the body as shown in the diagram, push the ferrule to the above of the outer conductor and crimp with the crimp tool.



6. Push the shrink sleeve to the above the ferrule finished crimp and contract by heating.

