

SRICOM

# SMA



SRINAR COMMUNICATIONS PVT. LTD.

**SRINAR COMMUNICATIONS PVT. LTD**, called **SRICOM** in short, is located at Chennai in the southern part of India. Situated in a pollution free environment, the facility has about 35,000 square foot built-up area, housing the complete machinery and equipments to manufacture RF connectors to the international standards.

**SRICOM**, has 23 years experience in this line. We specialize in developing custom built RF connectors and cable assemblies to the specific requirements of the customers. Our products cater to verities of industries ranging from entertainment, professional, avionics to satellite communications.

**SRICOM** has the state-of-the-art facility for machining, electroplating, assembly and quality assurance. It has a battery of automatic lathes, CNC and CAM operated sliding head stock machines, special purpose milling, drilling and tapping machines etc. our electroplating shop has the capability to do gold, silver, nickel and tin plating.

**SRICOM** has the expertise and the capability to produce large volume as well as small batch prototypes in quick turnaround time. At the moment our services are available in countries like United States, Israel, Philippines, Singapore, Australia and the local market also. As we are in the process of expansion, our presence will be extended to more countries and in many more value added components. We look forward to your patronage as ever. For any of your requirements please call our market support who will respond immediately or direct you to the right dealer network.



**Sricom SMA** Series are subminiature precision connectors suited for high performance and space maneuverability. These connectors have the best of electrical performance and are available for use from DC to 18 GHz.

The SMA Connectors are made of stainless steel passivated bodies to withstand rugged environmental conditions. These connectors are also available with gold plated finish.

Sricom SMA Connectors are manufactured to meet JSS 52405 and MIL C 395C12 specifications.

### TECHNICAL SPECIFICATIONS

#### ELECTRICAL

Impedance	50 ohms
Frequency Range	0 – 18 GHz for Semi rigid cables 0 – 12.4 GHz for flexible cables
Voltage rating	500 V Peak for RG / U 55, 58, 141, 142, 223, 375 V Peak
VSWR	for RG / U 122, 174, 188, 316 1.15 + 0.02f (GHz) for RG / U 58, 142, 223 1.15 + 0.5C1f (GHz) for RG / U 405 1.07 + 0.008 f 0 to 18 GHz for RG / U 402 1.05 + 0.008 f 0 to 18 GHz
Contact Resistance	
Centre Contact	2.0 Milli ohms
Body	2.0 Milli ohms
Braid to Body	0.5 Milli ohms
Insulation Resistance	5000 Meg ohms

#### MATERIAL

Body & Body Components	Non-magnetic Stainless Steel
Centre Contact Male	Extruded Brass
Centre Contact Female	Beryllium Copper
Dielectric	PTFE
Clamp Gaskets	Silicone Rubber
Crimp Ferrule	Annealed Copper

#### MECHANICAL

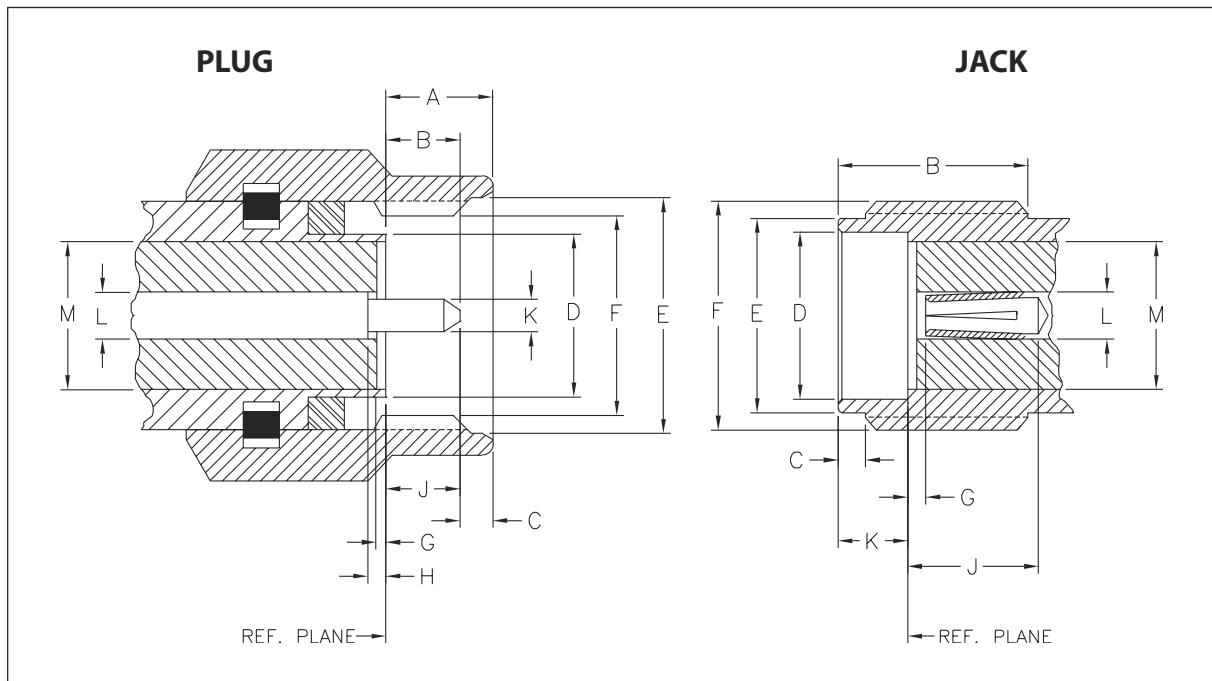
Mating	1/4" - 36 Threaded coupling
Mating torque	recommended 7 - 10 inch pounds
Coupling nut retention	Axial force : 100 lbs min.
Connector durability	500 cycles @ 12 cycles / min.

#### ENVIRONMENTAL

Temp. range	- 65° C to + 165° C
Corrosion	MIL-STD-202 method 101, condition B
Thermal Shock	MIL-STD-202 method 107, condition B
Vibration	MIL-STD-202 method 204, condition B
Mechanical Shock	MIL-STD-202 method 213, condition I
Solderability	MIL-STD-202 method 208



**INTERFACE DIMENSIONS - SMA SERIES**



LTR (dim. of)	PLUG		JACK	
	MIN	MAX	MIN	MAX
A	-	3.43	-	-
B	2.54	-	4.32	-
C	0.38	1.14	0.38	1.14
D	-	4.59	4.60	-
E	6.35	-	5.28	5.49
F	1/4" - 36 UNS - 2B		1/4" - 36 UNS - 2A	
G	-	0.05	-	0.25
H	0.00	0.25	-	-
J	-	2.54	2.92	-
K	0.90	0.94	1.88	1.98
L	1.24	1.30	1.24	1.30
M	4.10 (NOM)		4.10 (NOM)	

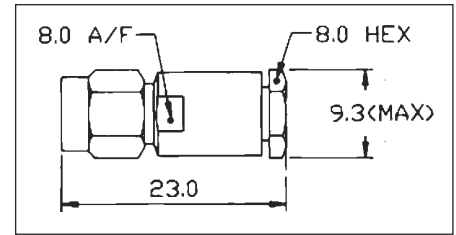
**ALL DIMENSIONS ARE IN MM**



**CONNECTORS FOR FLEXIBLE CABLES**

**Straight Plugs Clamp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 M 01	50	55,58,141,142, 223,303,400

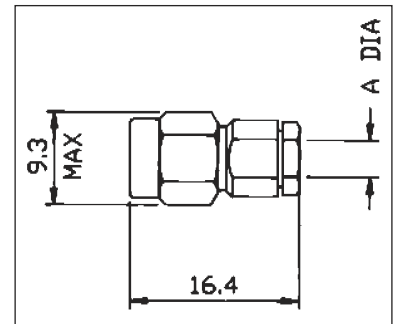


For Cable Assembly Refer Fig. A 01

**CONNECTORS FOR SEMI-RIGID CABLES**

**Straight Plugs  
Captive Contact**

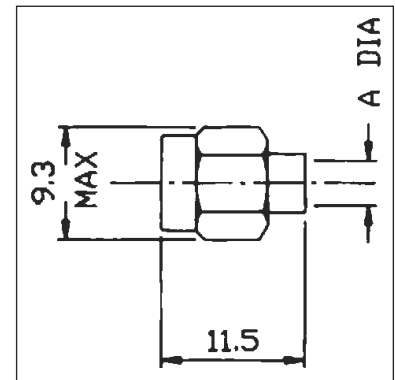
Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 M 05	402	50	3.65
SC1 M 06	405	50	2.25



For Cable Assembly Refer Fig. A 02

**Straight Plug  
Non-Captive Contact**

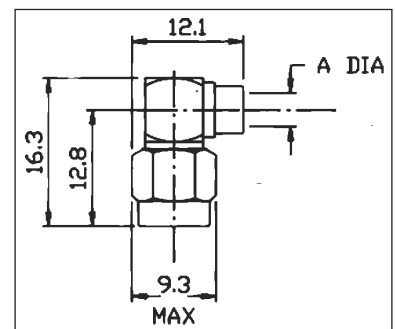
Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 M 15	402	50	3.65
SC1 M 16	405	50	2.25



For Cable Assembly Refer Fig. A 03

**Right Angle Plugs**

Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 A 05	402	50	3.65
SC1 A 06	405	50	2.25



For Cable Assembly Refer Fig. A 04

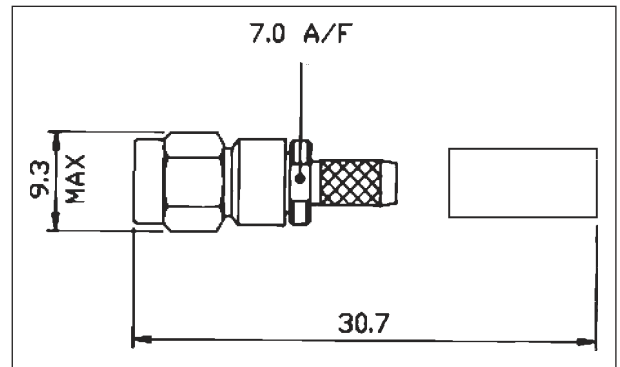
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**Straight Clamp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 M 03	50	55, 58, 141, 142, 223, 303, 400

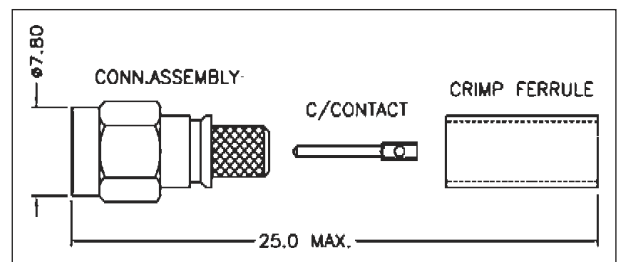
For Cable Assembly Refer Fig. A 05



**Straight Plugs Clamp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 M 13	50	55, 58, 141, 142, 223, 303, 400

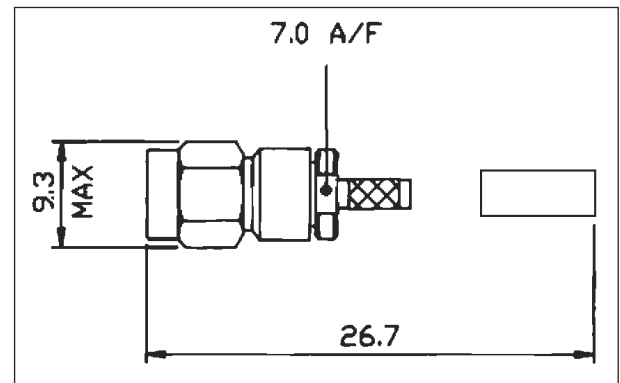
For Cable Assembly Refer Fig. A 08



**Straight Plugs Crimp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 M 09	50	174, 188, 316

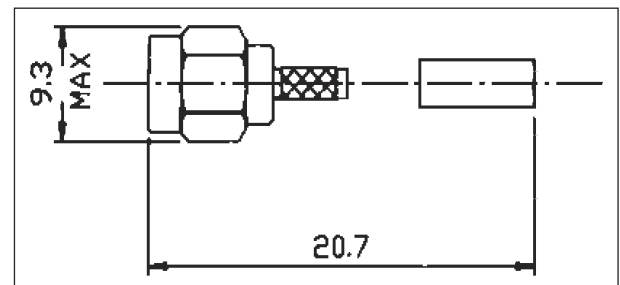
For Cable Assembly Refer Fig. A 06



**Straight Plugs Crimp Type  
Non - Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 M 19	50	174, 188, 316

For Cable Assembly Refer Fig. A 07



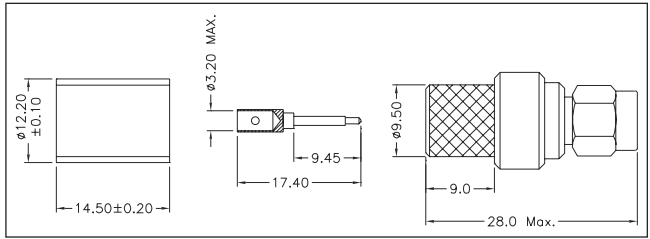
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**SMA Straight Plug (Crimp Type)**

Order Code	Impedance Ohms	Applicable Cable
SC1 M 11	50	LMR 400

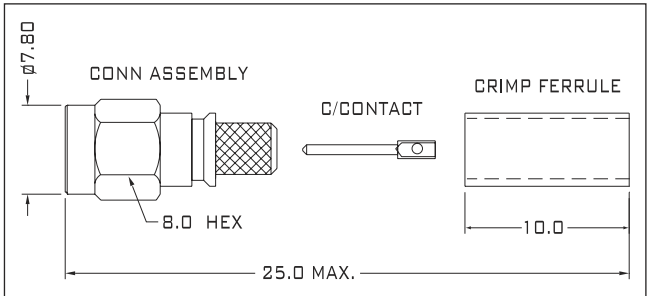
For Cable Assembly Refer Fig. A 09



**SMA Straight Plug (Crimp Type)**

Order Code	Impedance Ohms	Applicable Cable
01 M 13	50	LMR 200

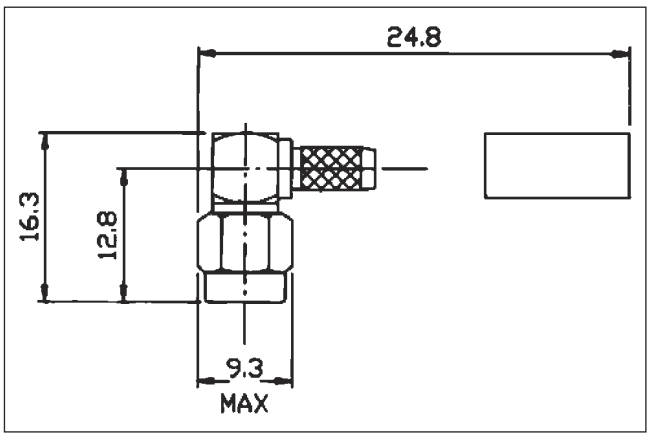
For Cable Assembly Refer Fig. A 08



**Right Angle Plug Crimp Type**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 A 01	50	55, 58, 141, 142 223, 303, 400

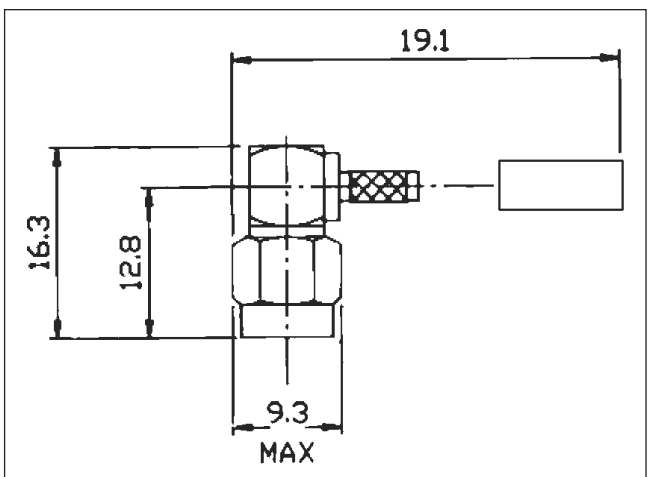
For Cable Assembly Refer Fig. A 11



**Right Angle Plug Crimp Type**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 A 09	50	174, 188, 316
SC1 A 03	50	178, 196

For Cable Assembly Refer Fig. A 10



These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079

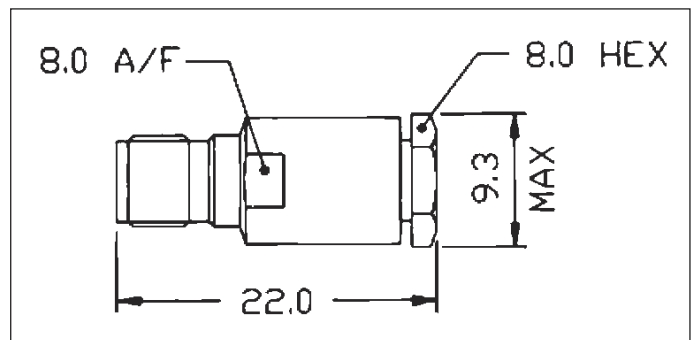


**CABLE JACKS**

**Straight Jack  
Clamp Type**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 SR 01	50	55, 58, 141, 142 223, 303, 400

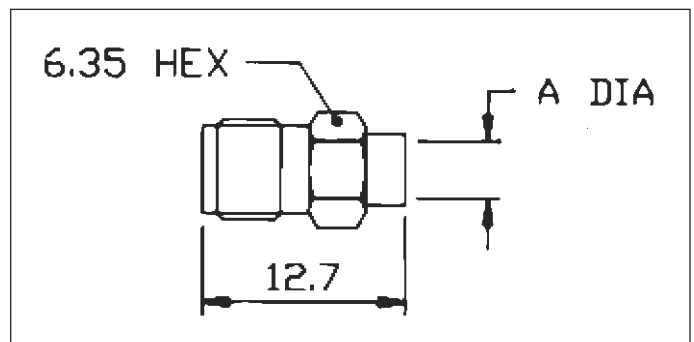
For Cable Assembly Refer Fig. A 01



**Straight Jacks**

Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 SR 05	402	50	3.65
SC1 SR 06	405	50	2.25

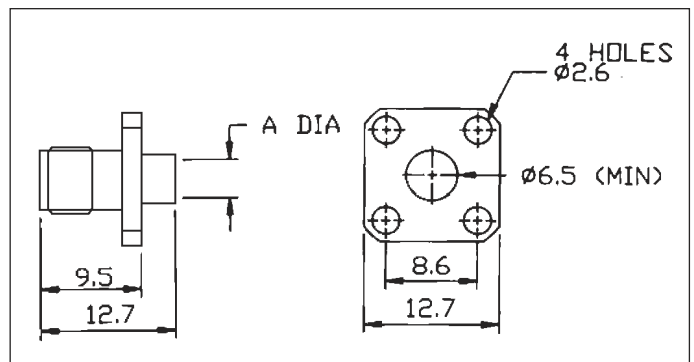
For Cable Assembly Refer Fig. A 03



**Panel Jacks  
Square Flange**

Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 PR 05	402	50	3.65
SC1 PR 06	405	50	2.25

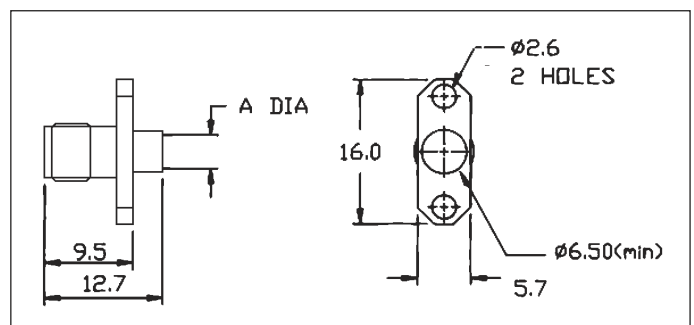
For Cable Assembly Refer Fig. A 03



**Panel Jacks  
Narrow Flange**

Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 NR 05	402	50	3.65
SC1 NR 06	405	50	2.25

For Cable Assembly Refer Fig. A 03



These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079

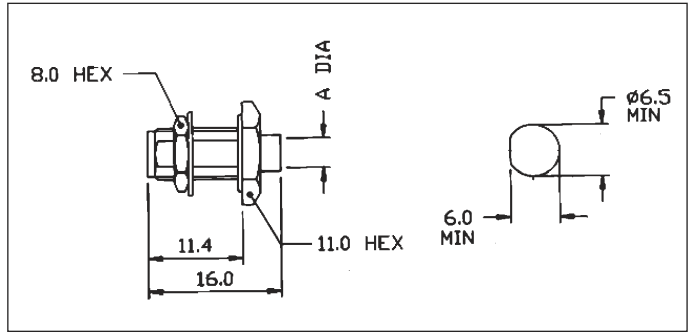




**Bulk Head Jacks**

Order Code	Applicable Cables RG/U	Impedance Ohms	A Dia (Max.)
SC1 BR 05	402	50	3.65
SC1 BR 06	405	50	2.25

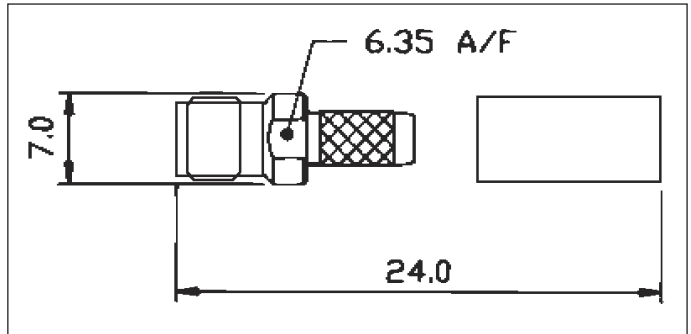
For Cable Assembly Refer Fig. A 03



**Straight Jack Crimp Type Non-Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 SR 13	50	55, 58, 141, 142 223, 303, 400

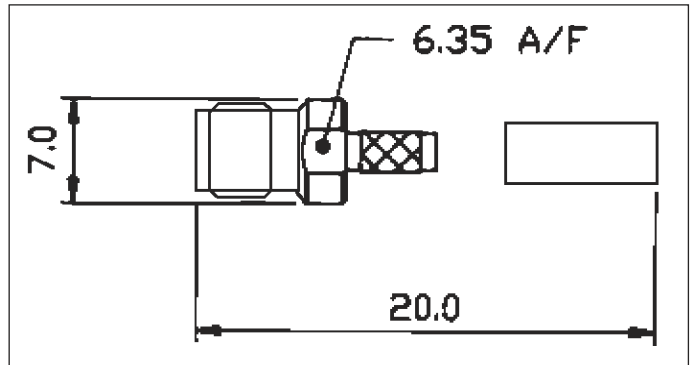
For Cable Assembly Refer Fig. A 13



**Straight Jack Crimp Type Non - Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 SR 19	50	174,188,316

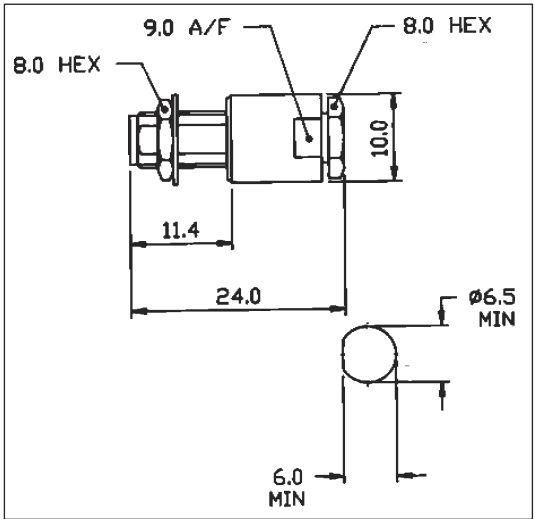
For Cable Assembly Refer Fig. A 12



**Straight Jack**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 BR 01	50	55, 58, 141, 142 223, 303, 400

For Cable Assembly Refer Fig. A 01



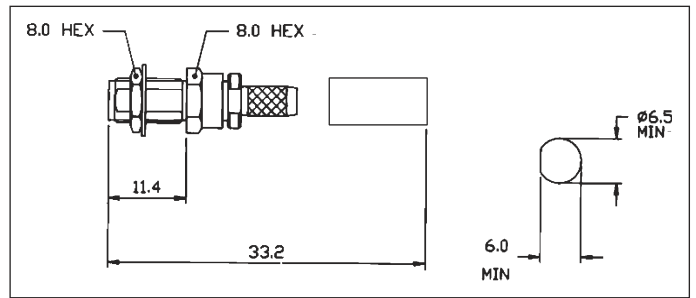
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**Bulk Head Jack Crimp Type Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 BR 03	50	55, 58, 141, 142 223, 303, 400

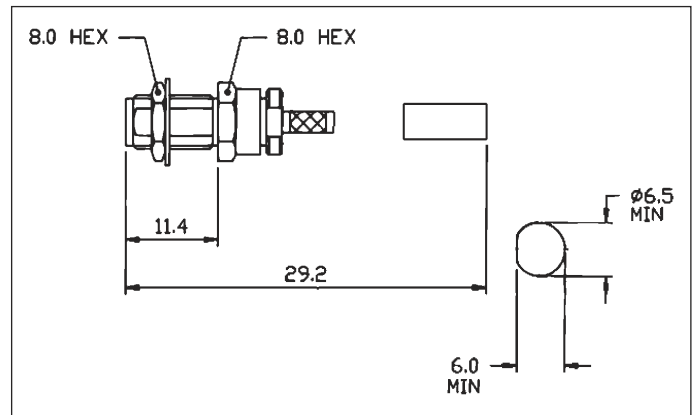
For Cable Assembly Refer Fig. A 05



**Bulk Head Jack Crimp Type Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 BR 09	50	174, 188, 316

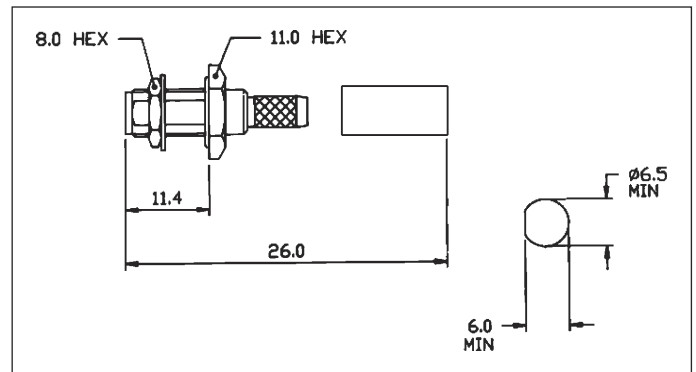
For Cable Assembly Refer Fig. A 06



**Bulk Head Jack Crimp Type Non - Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 BR 13	50	55, 58, 141, 142, 223, 303, 400

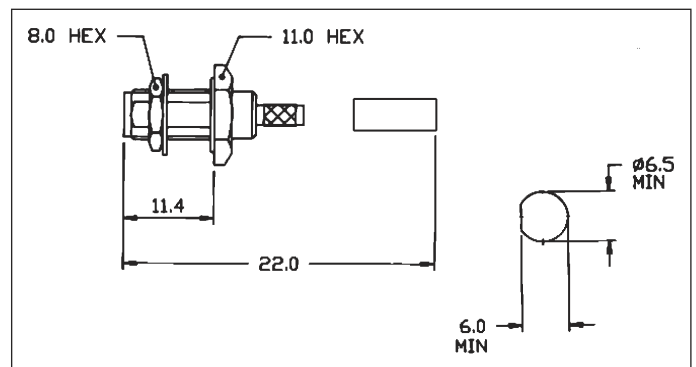
For Cable Assembly Refer Fig. A 17



**Bulk Head Jack Crimp Type Non - Captive Type**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 BR 19	50	174, 188, 316

For Cable Assembly Refer Fig. A 16



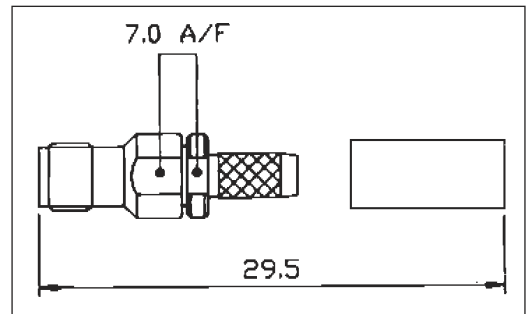
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**Straight Jack Crimp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 SR 03	50	55,58,141,142 223,303,400

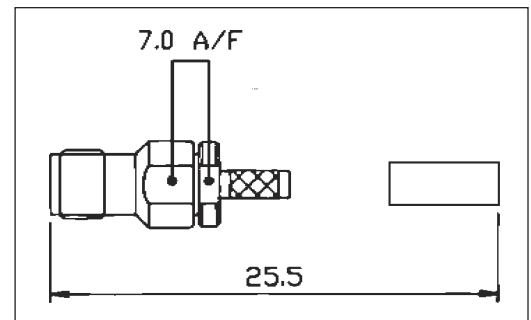
For Cable Assembly Refer Fig. A 05



**Straight Jack Crimp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 SR 09	50	174, 188, 316

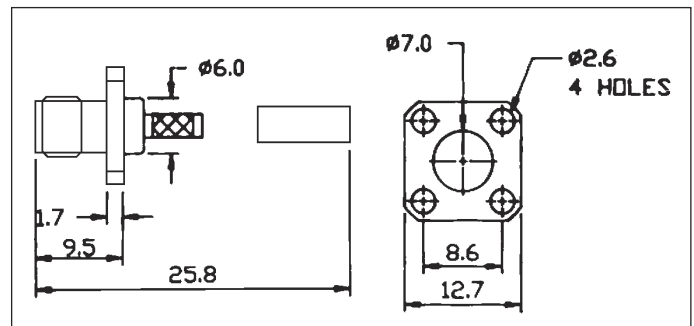
For Cable Assembly Refer Fig. A 06



**Square Flange Jack Crimp Type  
Non - Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 PR 13	50	55, 58, 141, 142, 223, 303, 400

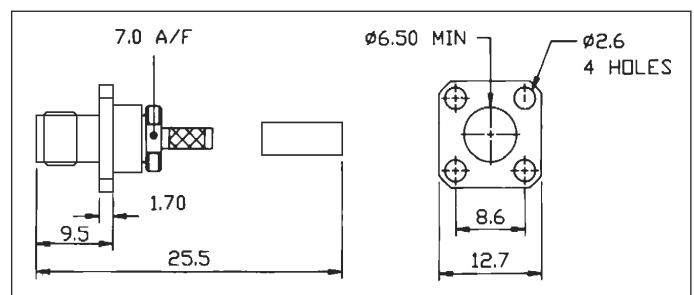
For Cable Assembly Refer Fig. A 15



**Square Flange Jack Crimp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 PR 09	50	174, 188, 316

For Cable Assembly Refer Fig. A 06



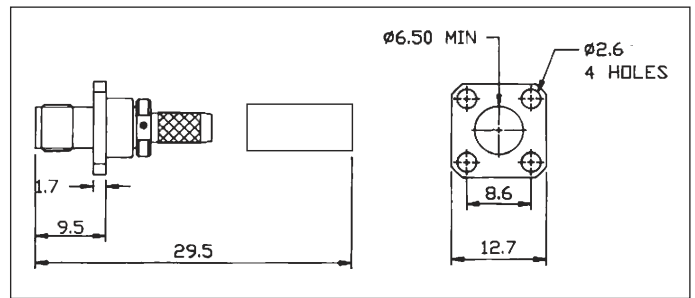
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**Square Flange Crimp Type  
Captive Contact**

Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 PR 03	50	55, 58, 141, 142 223, 303, 400

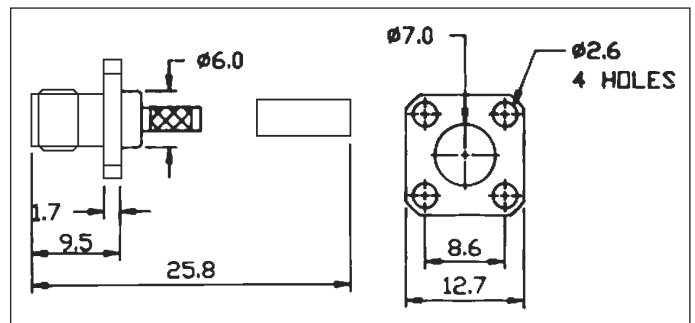
For Cable Assembly Refer Fig. A 05



**Square Flange Jack Crimp Type  
Non - Captive Type**

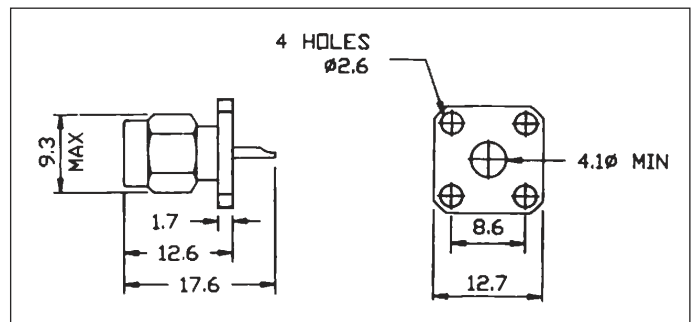
Order Code	Impedance Ohms	Applicable Cables RG / C
SC1 PR 19	50	174, 188, 316

For Cable Assembly Refer Fig. A 14



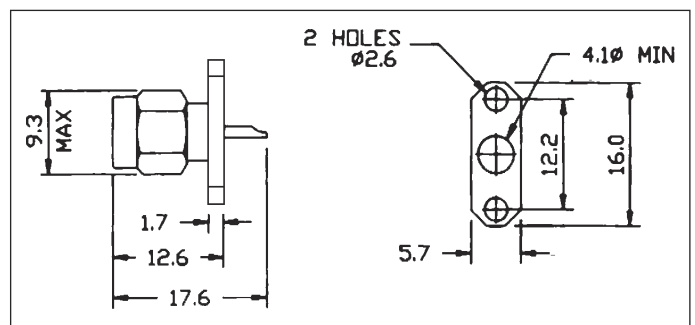
**Square Flange  
Receptacle Plug**

Order Code	Impedance Ohms
SC1 PM 01	50



**Narrow Flange  
Receptacle Plug**

Order Code	Impedance Ohms
SC1 PM 03	50

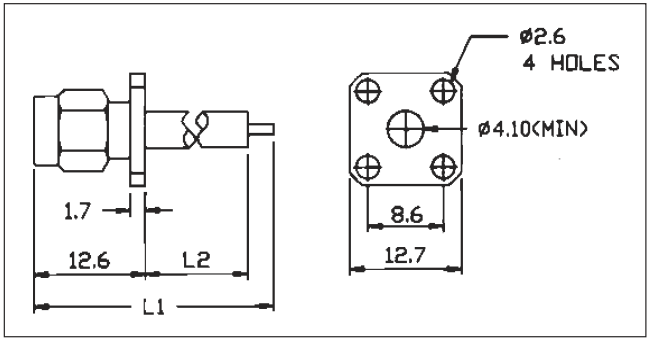


These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



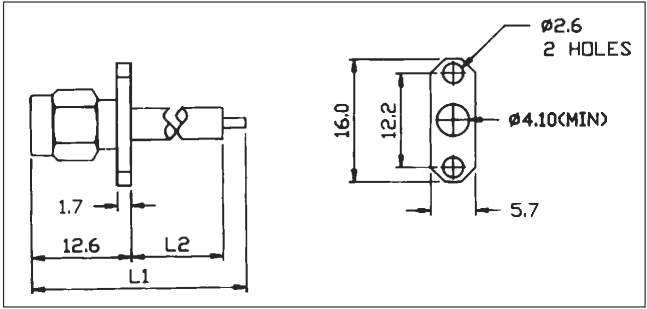
**Square Flange Receptacles,  
Plug Extended Dielectric**

Order Code	Impedance Ohms	Dimn L1	Dimn L2
SC1 PM 12	50	17.8	2.5
SC1 PM 22	50	25.0	8.3
SC1 PM 32	50	30.5	15.0
SC1 PM 42	50	44.5	28.5



**Narrow Flange Receptacles,  
Plug Extended Dielectric**

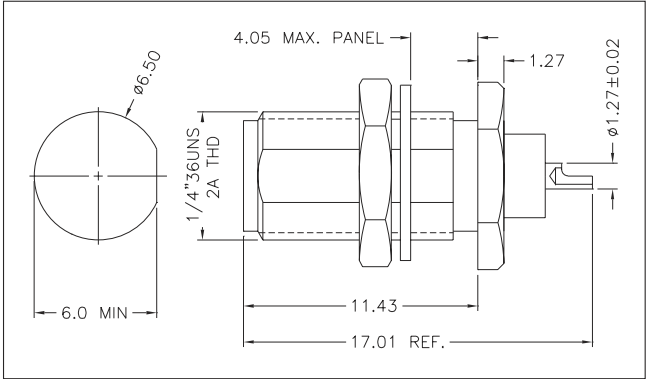
Order Code	Impedance Ohms	Dimn L1	Dimn L2
SC1 PM 13	50	17.8	2.5
SC1 PM 23	50	25.0	8.3
SC1 PM 33	50	30.5	15.0
SC1 PM 43	50	44.5	28.5



**RECEPTACLES WITH SOLDER END**

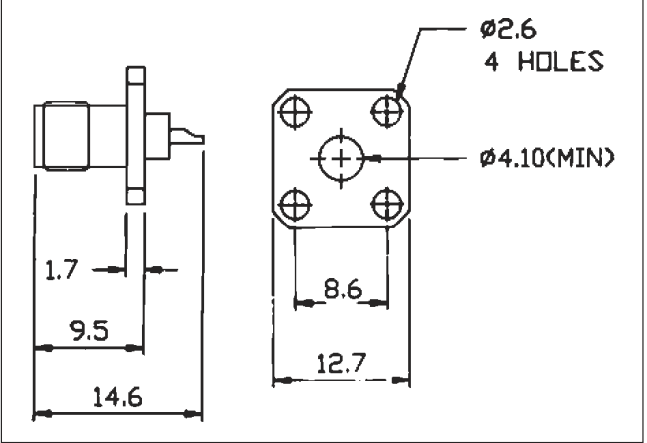
**Bulk Head Receptacle,  
with Panel Seal**

Order Code	Impedance Ohms
SC1 F 01	50



**Square Flange Receptacle**

Order Code	Impedance Ohms
SC1 F 02	50

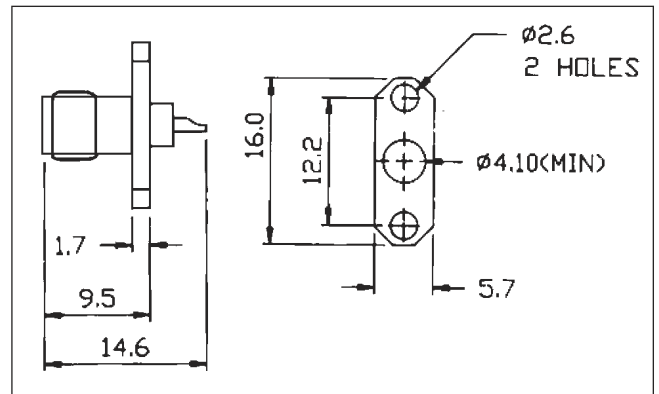


These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



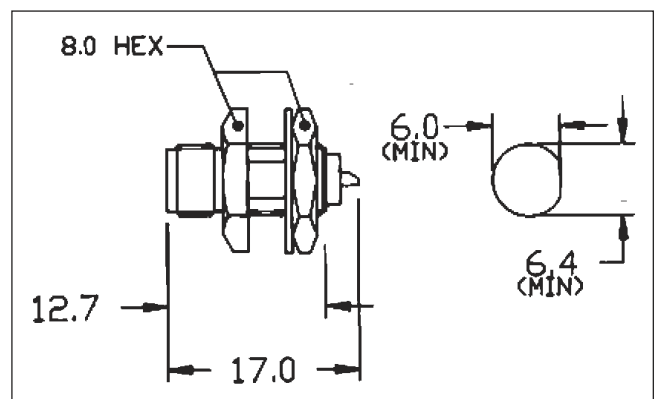
**Narrow Flange Receptacle**

Order Code	Impedance Ohms
SC1 F 03	50



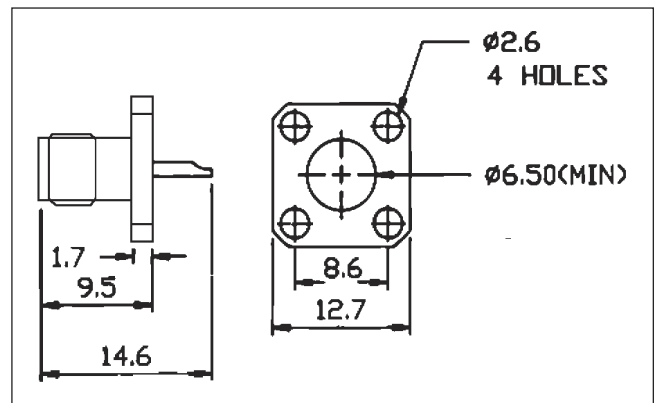
**Bulk Head Feed Through Jack Receptacle**

Order Code	Impedance Ohms
SC1 F 04	50



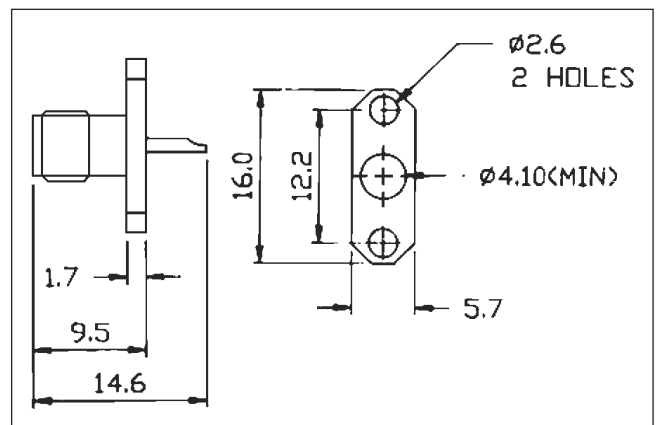
**Square Flange Receptacle Flush Dielectric**

Order Code	Impedance Ohms
SC1 F 12	50



**Narrow Flange Receptacle, Flush Dielectric**

Order Code	Impedance Ohms
SC1 F 13	50

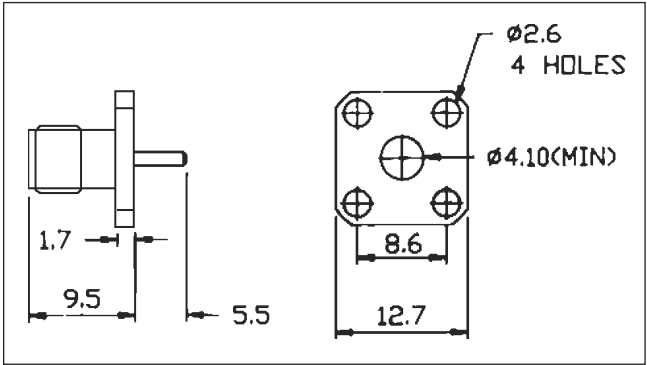


These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



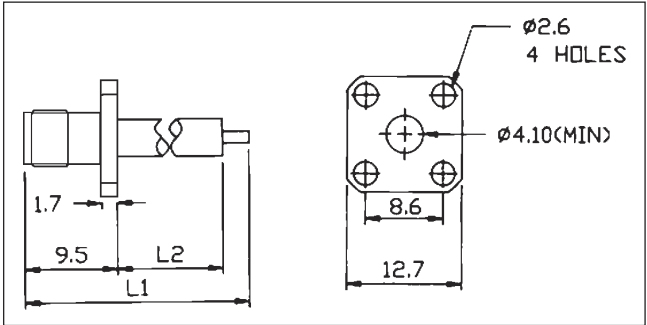
**Square Flange Receptacle Stub Contact Flush Dielectric**

Order Code	Impedance Ohms
SC1 F 52	50



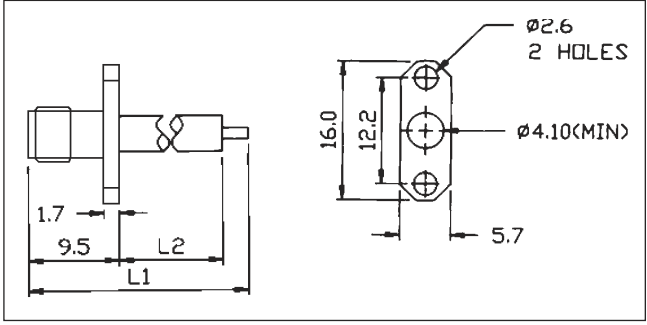
**Square Flange Receptacles, Extended Dielectric**

Order Code	Impedance Ohms	Dimn L1	Dimn L2
SC1 F 32	50	25.4	12.7
SC1 F 42	50	31.0	15.0



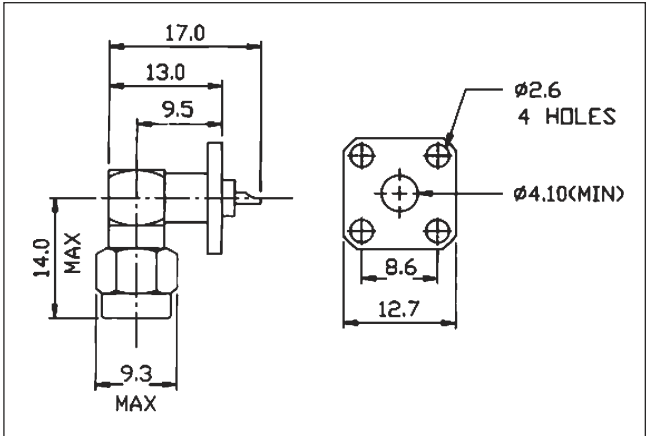
**Narrow Flange Receptacles, Extended Dielectric**

Order Code	Impedance Ohms	Dimn L1	Dimn L2
SC1 F 33	50	25.4	12.7
SC1 F 43	50	31.0	15.0



**Right Angle Receptacle, Plug**

Order Code	Impedance Ohms
SC1 MA 01	50

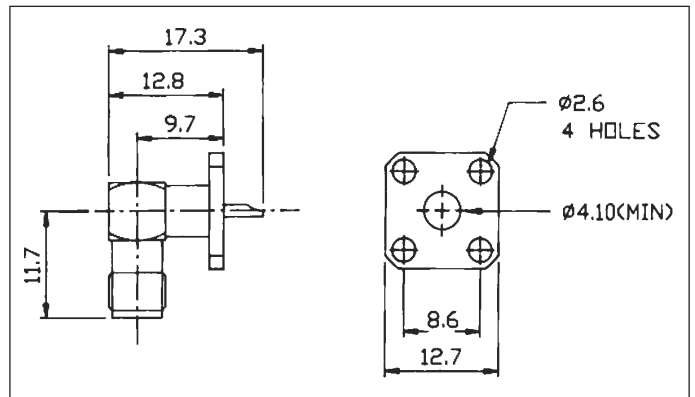


These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



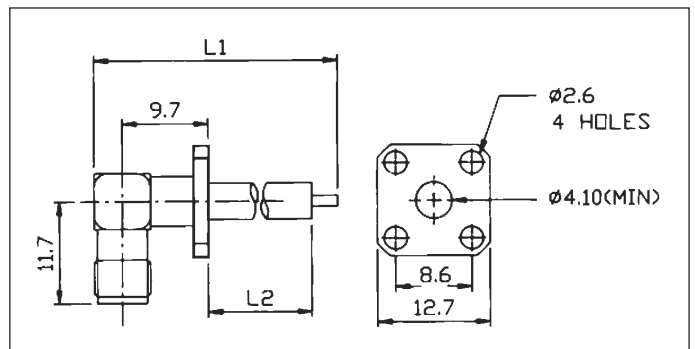
**Square Flange Receptacle  
Right Angle Flush Dielectric**

Order Code	Impedance Ohms
SC1 FA 02	50



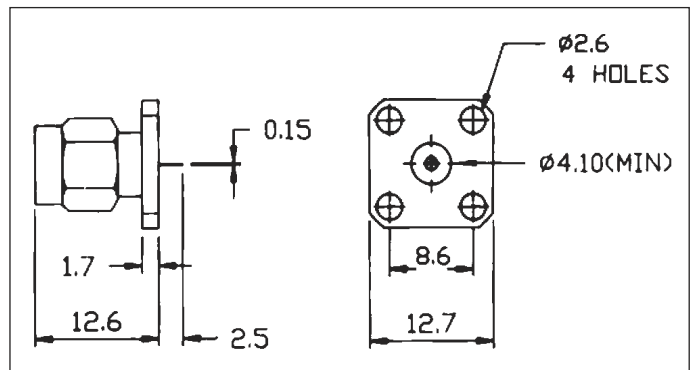
**Right Angle Receptacles,  
Extended Dielectric  
Square Flange**

Order Code	Impedance Ohms	Dimn L1	Dimn L2
SC1 FA 12	50	17.3	4.5
SC1 FA 22	50	27.2	12.7
SC1 FA 32	50	30.8	15.0



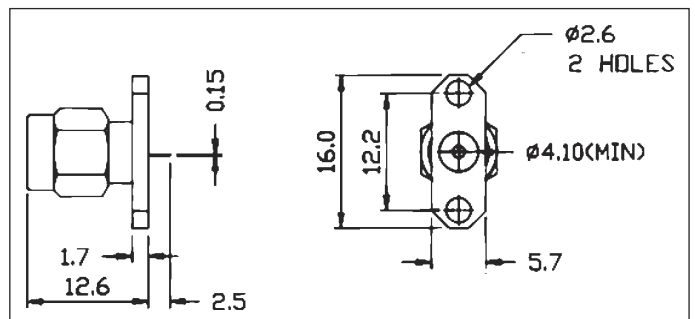
**Square Flange Receptacle,  
Plug Flush Dielectric  
Tab Contact**

Order Code	Impedance Ohms
SC1 PM 72	50



**Narrow Flange Receptacle-Plug  
Flush Dielectric - Tab Contact**

Order Code	Impedance Ohms
SC1 PM 73	50



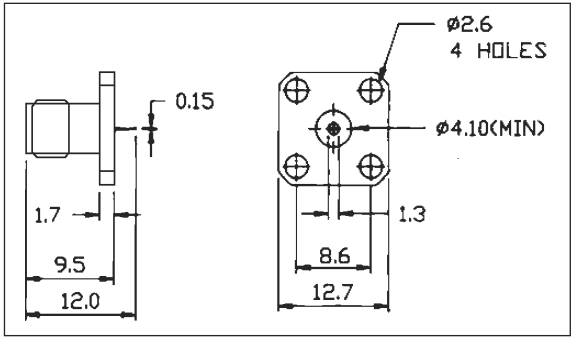
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079





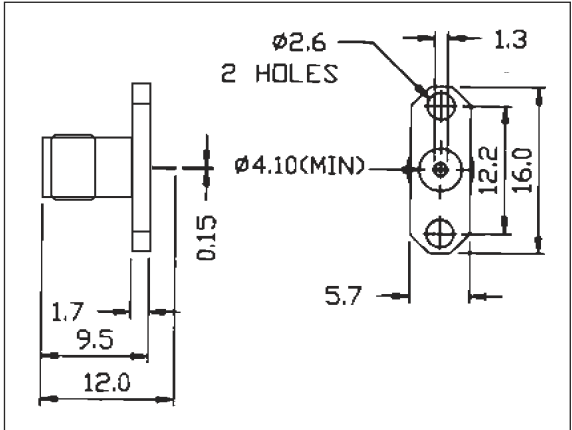
**Square Flange Receptacle  
Flush Dielectric Tab Contact**

Order Code	Impedance Ohms
SC1 F 72	50



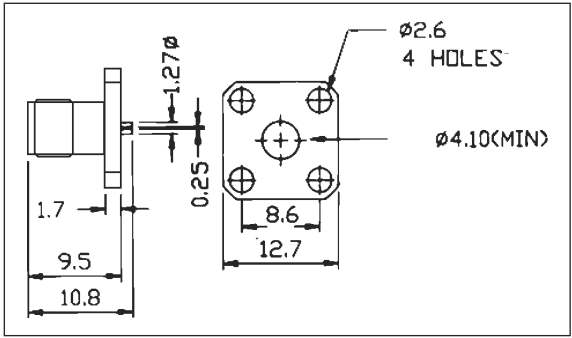
**Narrow Flange Receptacle  
Flush Dielectric Tab Contact**

Order Code	Impedance Ohms
SC1 F 73	50



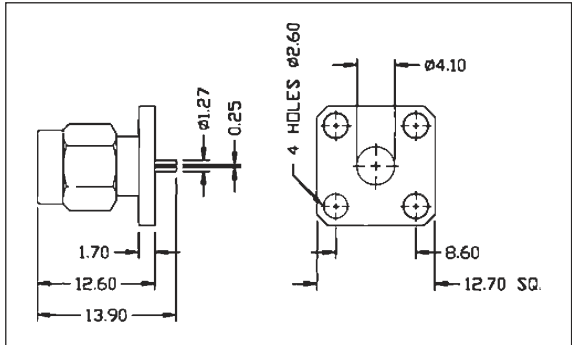
**Square Flange Receptacle  
Slotted Contact**

Order Code	Impedance Ohms
SC1 F 92	50



**Square Flange Receptacle  
Slotted Contact**

Order Code	Impedance Ohms
SC1 PM 92	50



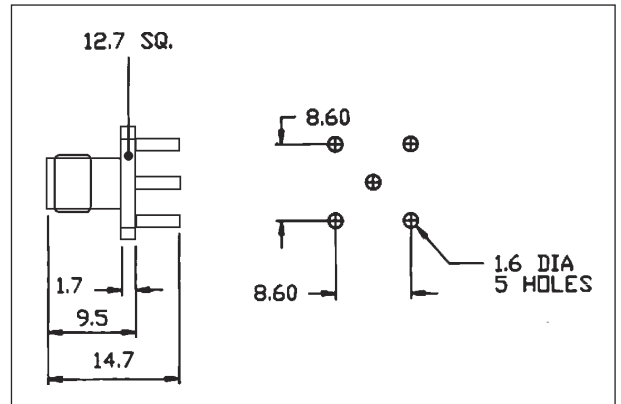
These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



**CONNECTORS FOR PCB MOUNTING**

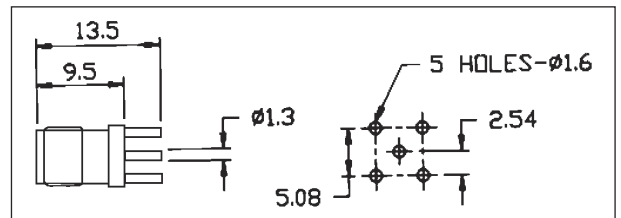
**Straight Receptacle**

Order Code	Impedance Ohms
SC1 F 05	50



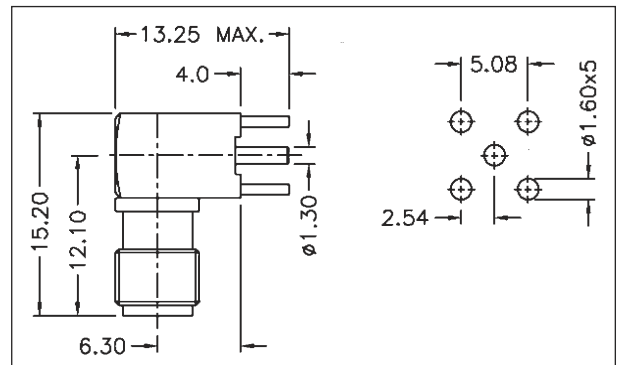
**Straight Receptacle**

Order Code	Impedance Ohms
SC1 F 07	50



**Right Angle Receptacle**

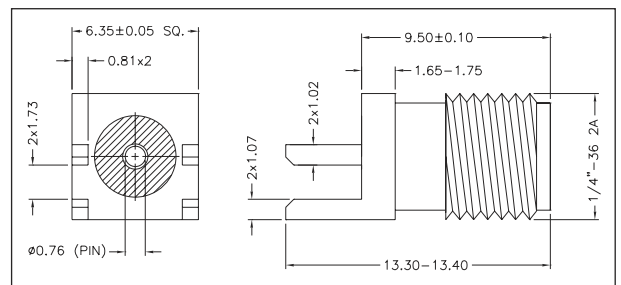
Order Code	Impedance Ohms
SC1 FA 07	50



**CONNECTORS FOR END LAUNCH**

**End Launch SMA (F) Receptacle-Round Contact**

Order Code	Impedance Ohms	PCB Thickness
SC1 F 27	50	1.57 mm

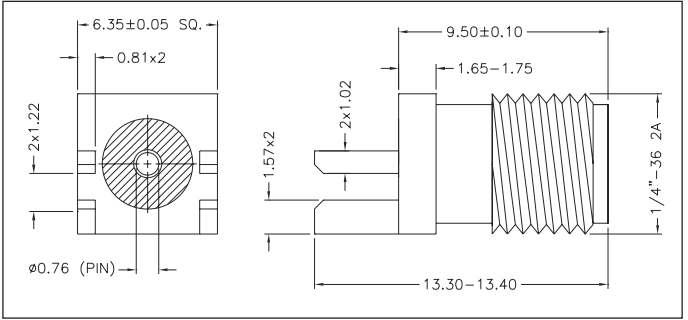


These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079



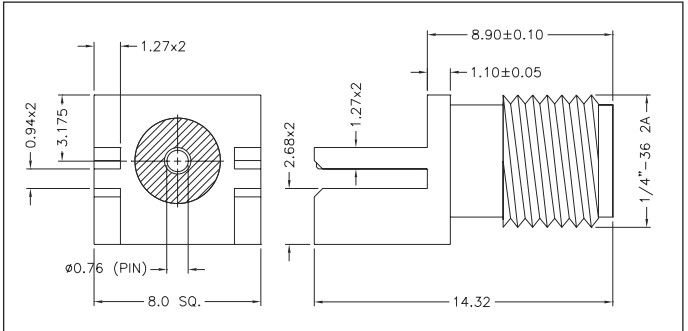
**End Launch SMA (F) Receptacle-Round Contact**

Order Code	Impedance Ohms	PCB Thickness
SC1 F 271	50	1.07 MM



**End Launch SMA (F) Receptacle-Round Contact**

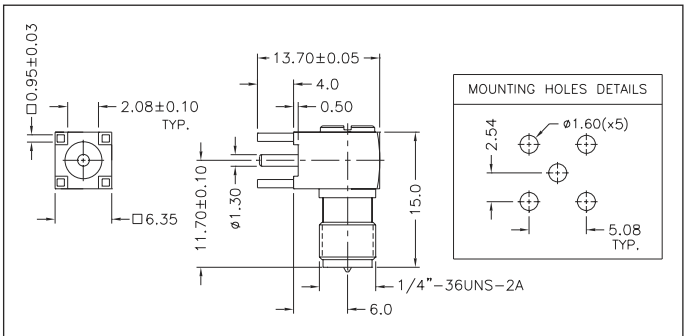
Order Code	Impedance Ohms	PCB Thickness
SC1 F 272	50	0.80 mm



**CONNECTORS FOR REVERSE POLARITY**

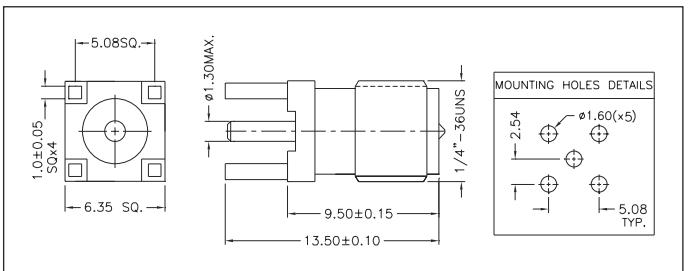
**SMA R/A Receptacle PCB Mount Reverse Polarity**

Order Code	Impedance Ohms
SC1 FA 07R	50



**SMA Straight Receptacle PCB Mount Reverse Polarity**

Order Code	Impedance Ohms
SC1 F 07R	50



These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079

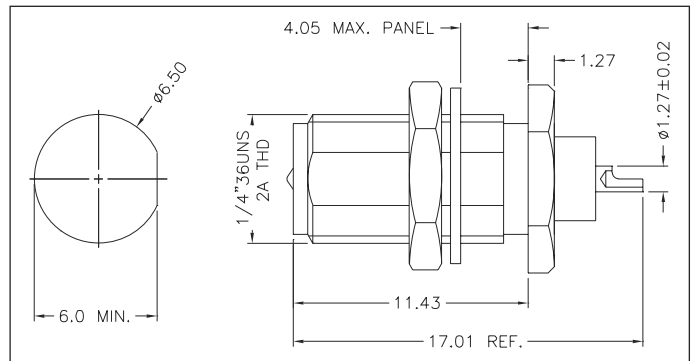
**S E R I E S**

**S M A**



**Bulk Head Receptacle  
Reverse Polarity**

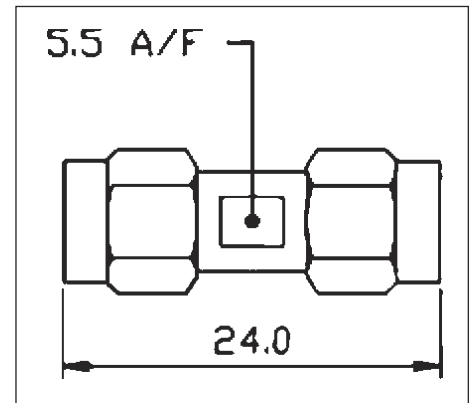
Order Code	Impedance Ohms
SC1 F 01R	50



**IN - SERIES ADAPTORS**

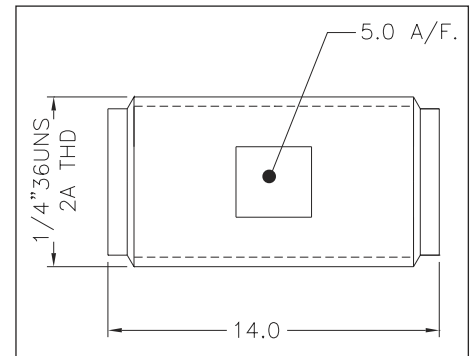
**Plug - Plug**

Order Code	Impedance Ohms
SC1 MM 01	50



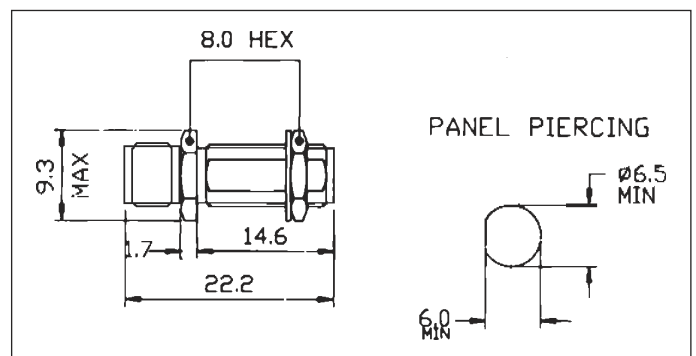
**Straight Adaptor  
Jack - Jack**

Order Code	Impedance Ohms
SC1 FF 01	50



**Straight Adaptor Jack - Jack  
Bulk Head Mount**

Order Code	Impedance Ohms
SC1 FB 01	50

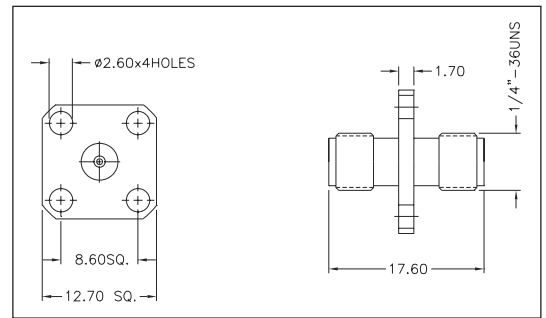


*These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079*



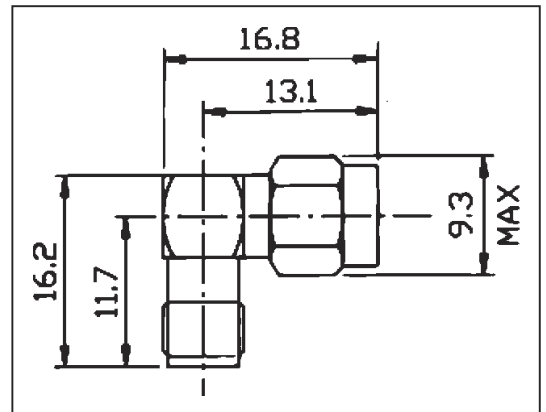
**Straight Adaptor  
Jack - Jack**

Order Code	Impedance Ohms
SC1FF02	50



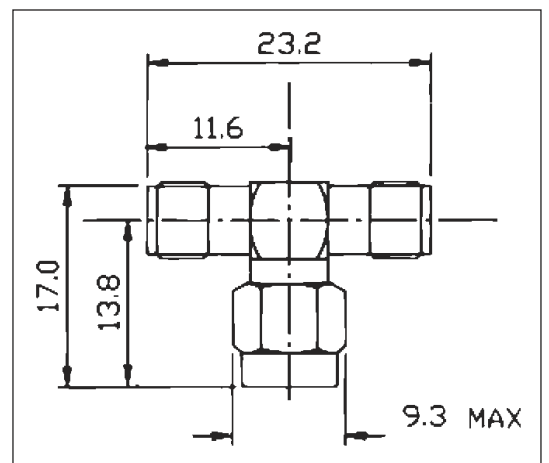
**Right Angle Adaptor  
Plug - Jack**

Order Code	Impedance Ohms
SC1MFA01	50



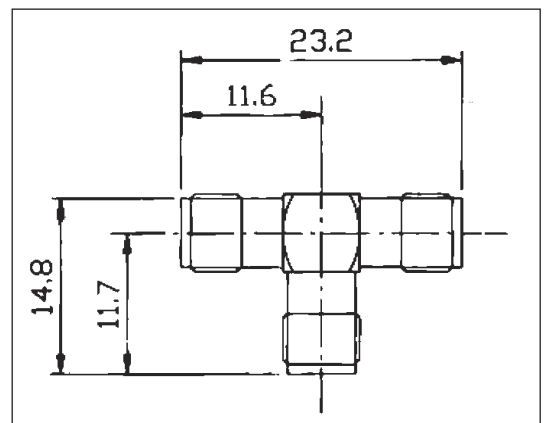
**T - Adaptors  
Jack - Plug - Jack**

Order Code	Impedance Ohms
SC1T01	50

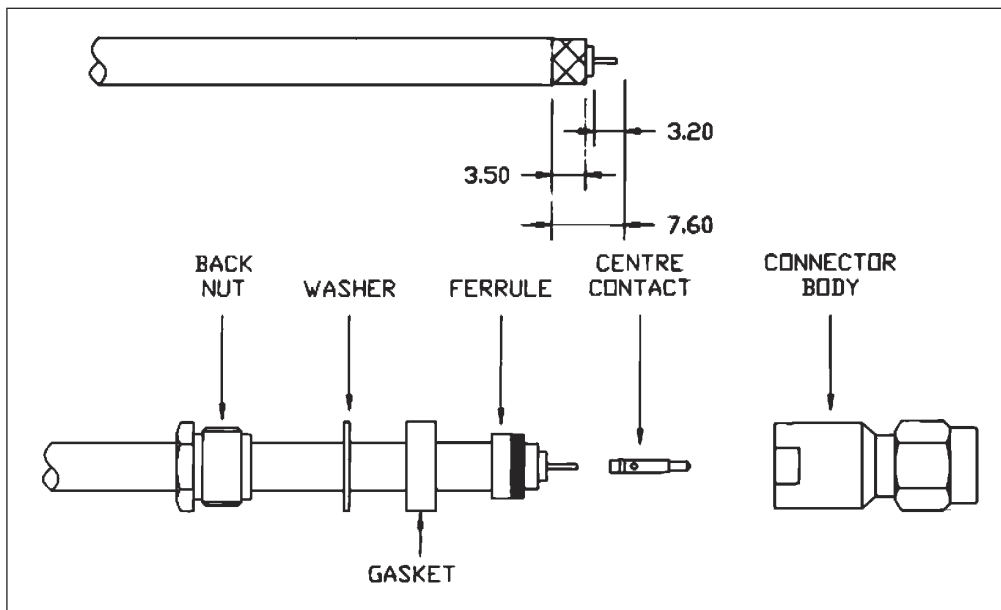


**Jack - Jack - Jack**

Order Code	Impedance Ohms
SC1T02	50

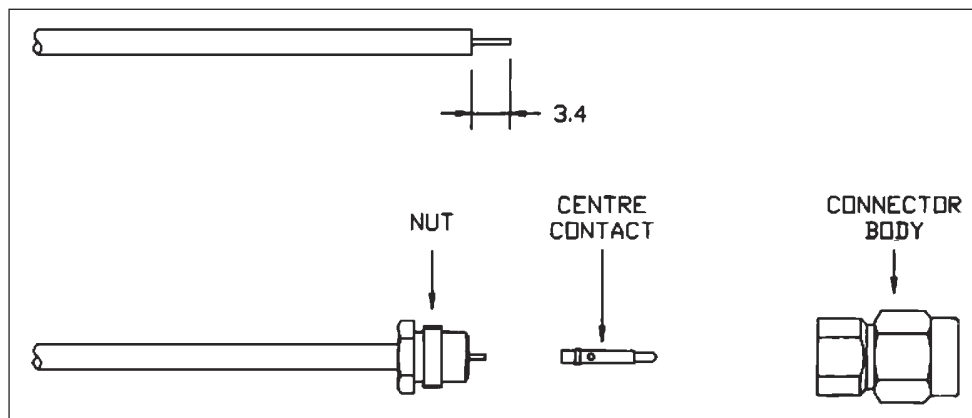


*These connectors have stainless steel passivated body. If Gold plating is required, add suffix - 079*



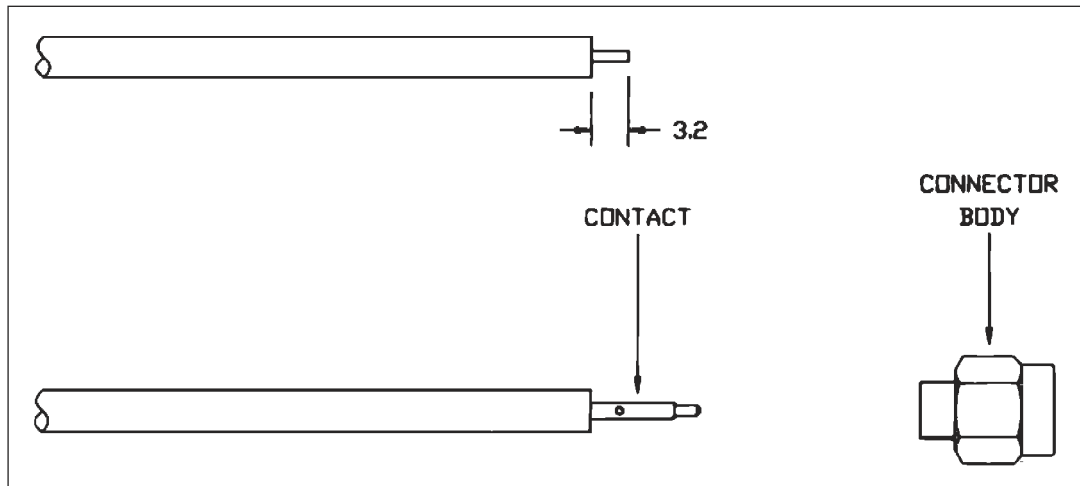
A 01

1. Insert clamp nut, flat washer over cable.
2. Trim the cable as per dimensions shown in the figure and insert clamp over braid so that the inner collar butts against the outer sheath of cable.
3. Comb out the braid and fold them over ferrule as shown in the figure and trim the excess braid.
4. Insert the centre contact to the centre connector of the cable and solder them firmly.
5. Insert the sub-assembly with the clamp nut till the 'V' - Groove gasket shears and grips the cable firmly.



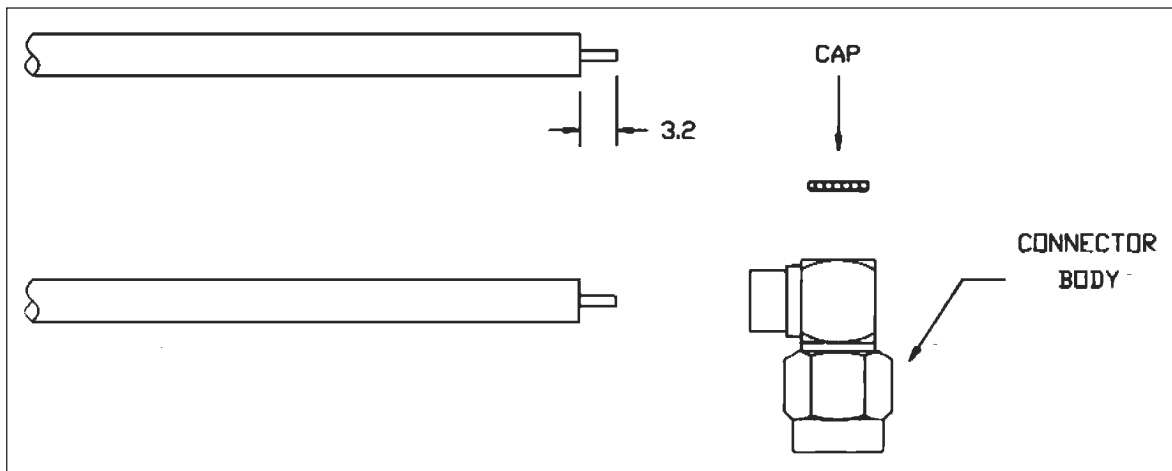
A 02

1. Strip the cable as per Dimension shown in Figure.
2. Insert the Cable into the nut so that the outer conductor of the Cable butts against the inner collar of nut.
3. Solder the nut and the outer conductor of Cable.
4. Solder the centre contact and the centre conductor of the Cable ensuring that the centre contact has been pushed home into the rear insulator.
5. Insert the sub-assembly into the connector body and tighten the nut.



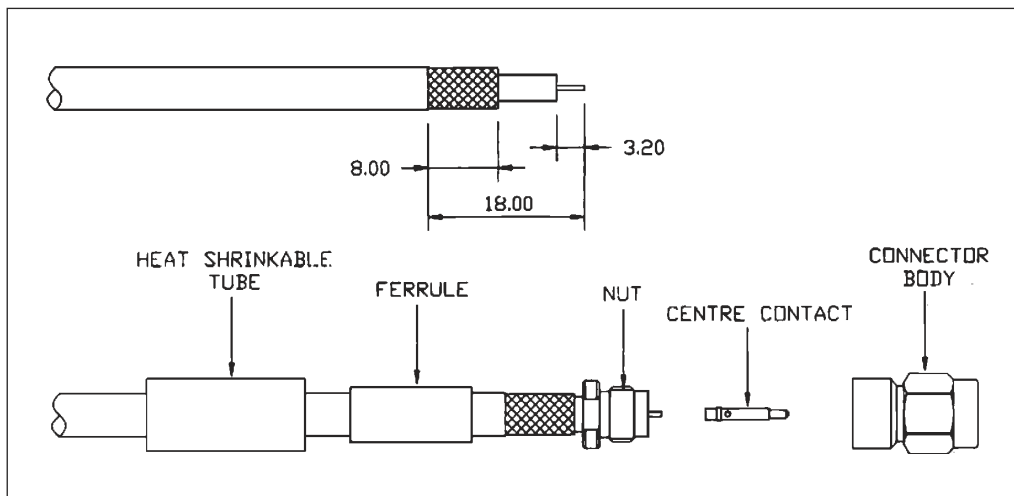
A 03

1. Strip the Cable as per dimension shown in Figure.
2. Insert the centre conductor of the Cable into the centre contact and solder.
3. Insert the sub-assembly into the connector body and solder the outer conductor of the cable to the connector body.



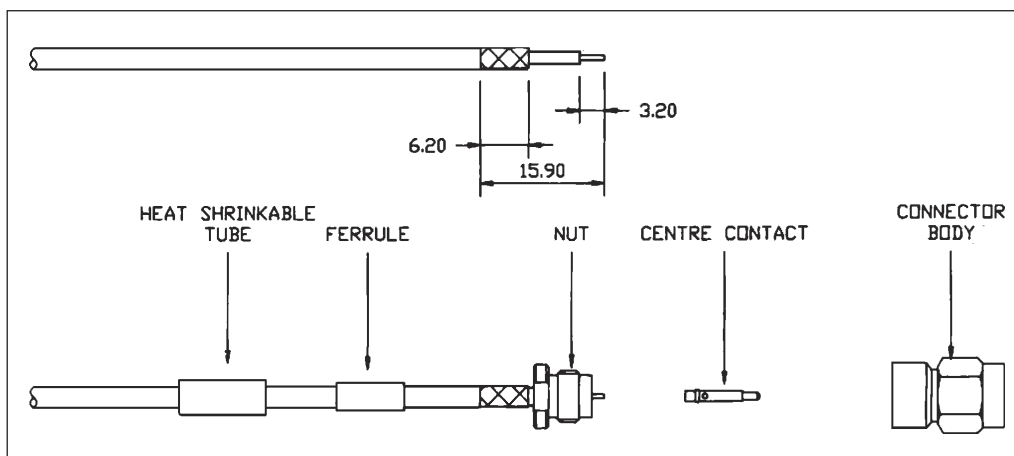
A 04

1. Strip the Cable as per Dimension shown in Figure.
2. Insert the Cable into the connector so that the outer conductor butts against the body. Solder the centre conductor of the cable and centre contact.
3. Solder the outer conductor of Cable to the outer body of the connectors.
4. Fit the cap.



**A 05**

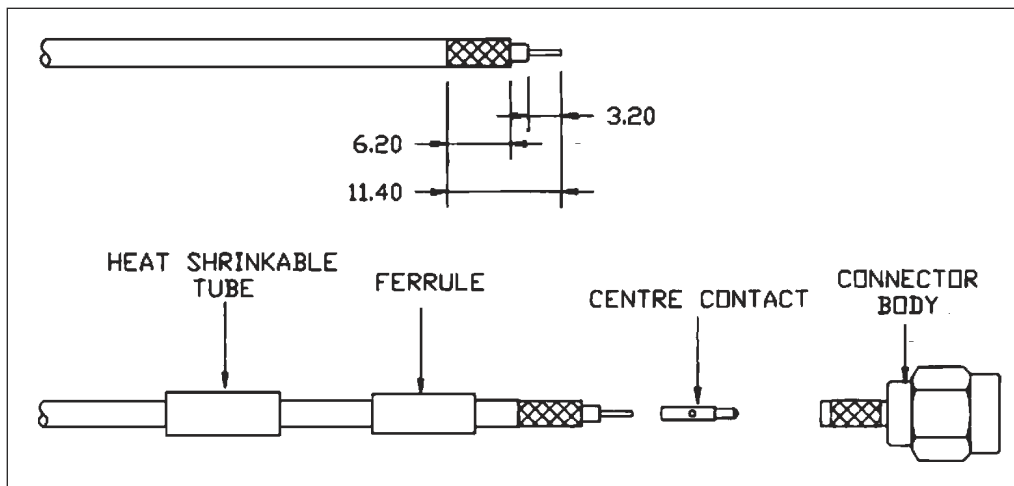
1. Insert heat shrinkable tube and ferrule into the cable.
2. Strip the cable as per dimensions shown in figure.
3. Insert the nut between Di-electric and braid.
4. Insert the centre contact into the centre conductor of the cable and solder them.
5. Slide the ferrule till it butts against the nut and crimp the ferrule.
6. Insert the sub-assembly into the connector body and tighten the nut.
7. Shrink the heat shrinkable tube over the ferrule.



**A 06**

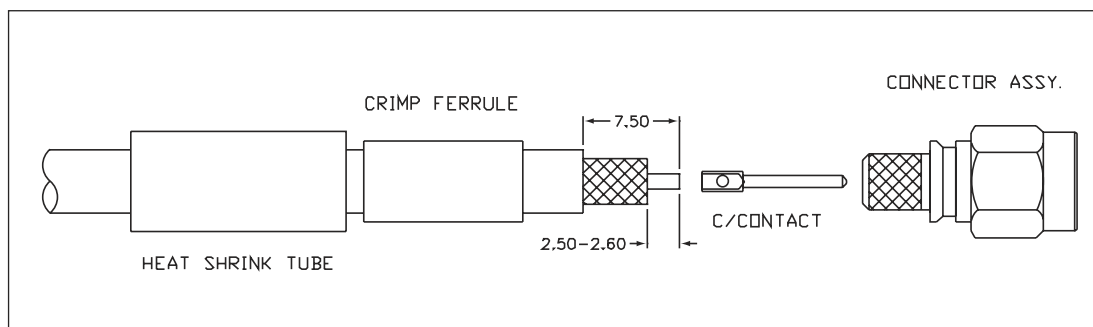
1. Insert heat shrinkable tube and ferrule into the cable.
2. Strip the cable as per dimensions shown in figure.
3. Insert the nut between Di-electric and braid.
4. Insert the centre conductor of the cable into the centre contact and solder the centre contact firmly ensuring that the centre contact has been pushed home into the rear insulator.
5. Slide the ferrule till it butts against the nut and crimp the ferrule.
6. Insert the sub-assembly into the connector body and tighten nut.
7. Shrink the heat shrinkable tube over the ferrule.





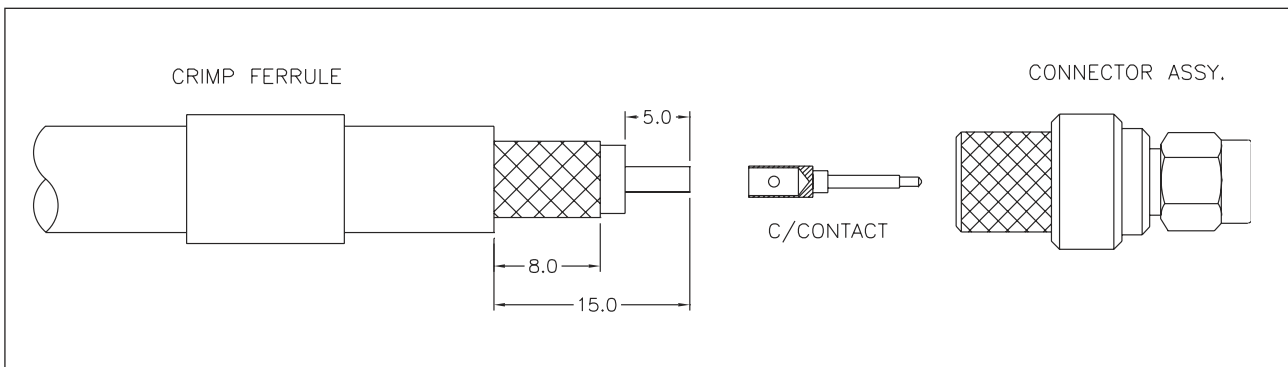
**A 07**

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contact over the centre conductor of cable and solder the centre contact to the centre conductor of cable firmly.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



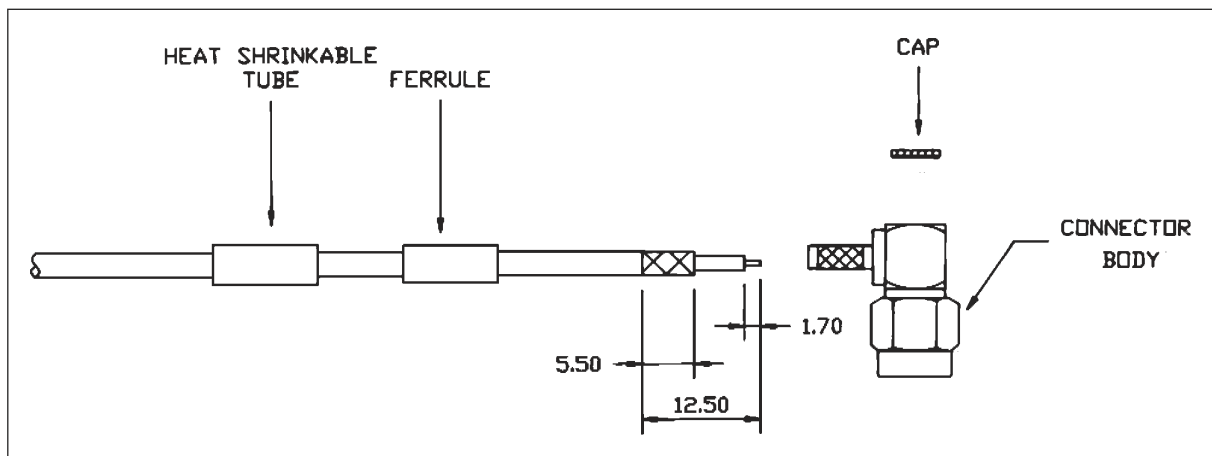
**A 08**

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contact over the centre conductor of cable and solder the centre contact to the cable firmly.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



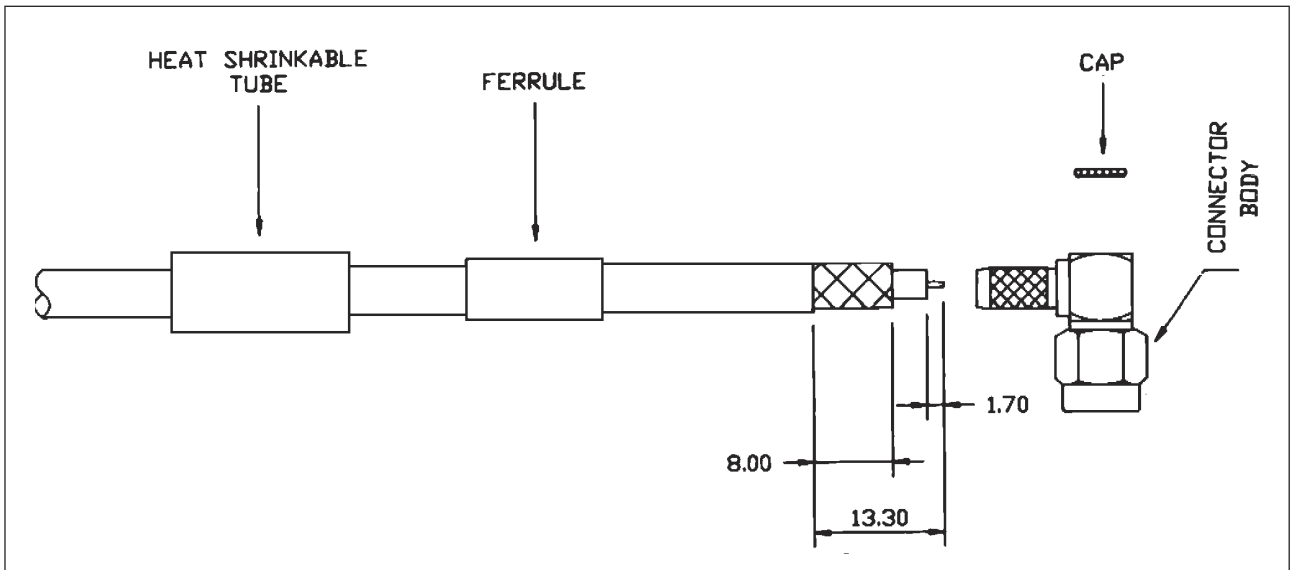
**A 09**

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contact over the centre conductor of cable and solder the centre contact to the cable firmly.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



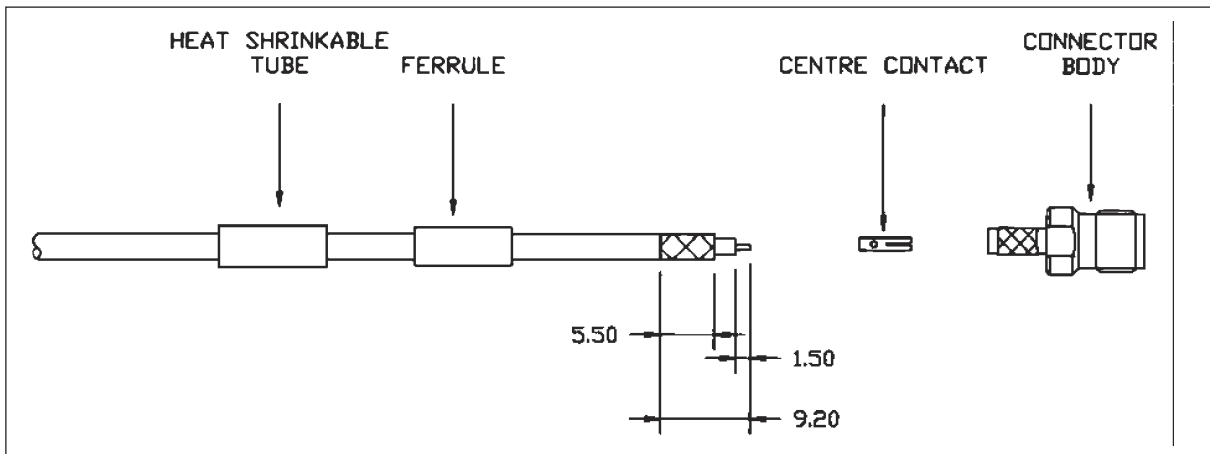
**A 10**

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contact over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



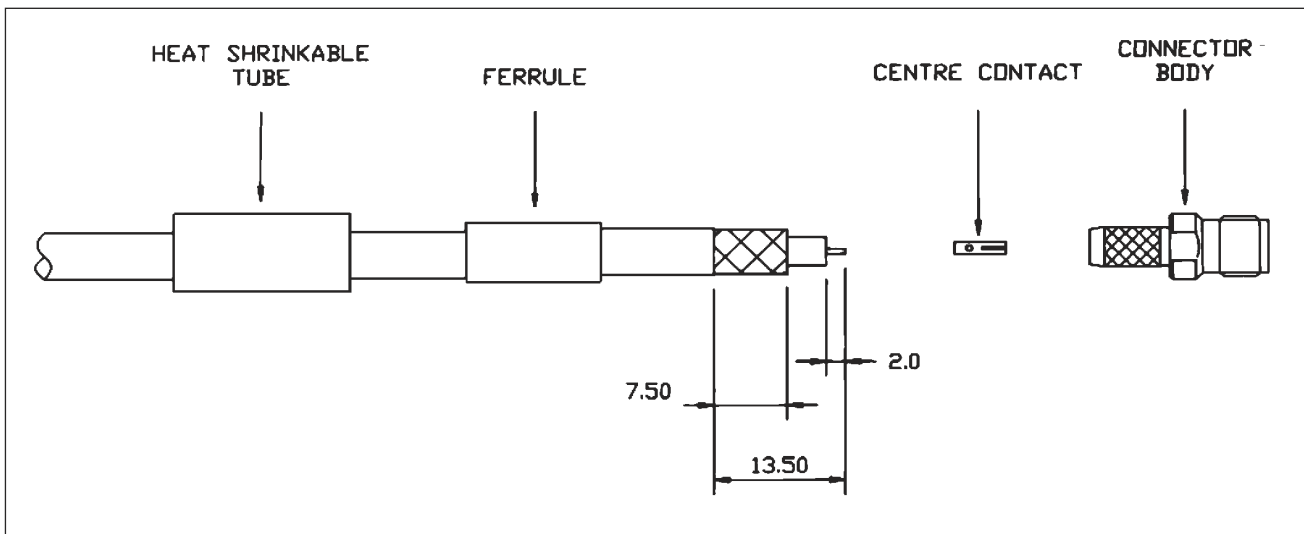
A 11

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Insert the cable into the body. Solder the centre conductor of the cable and centre contact.
4. Slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.
6. Fit the cap.



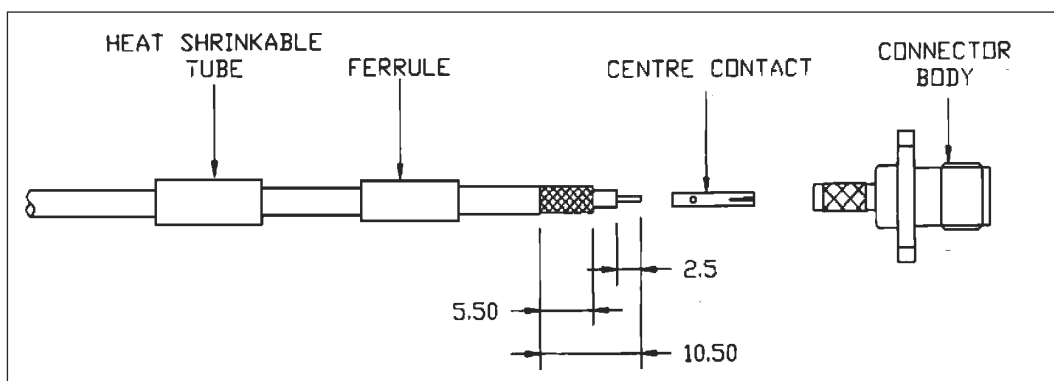
A 12

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Insert the cable into the body. Solder the centre conductor of the cable and centre contact.
4. Slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.
6. Fit the cap.



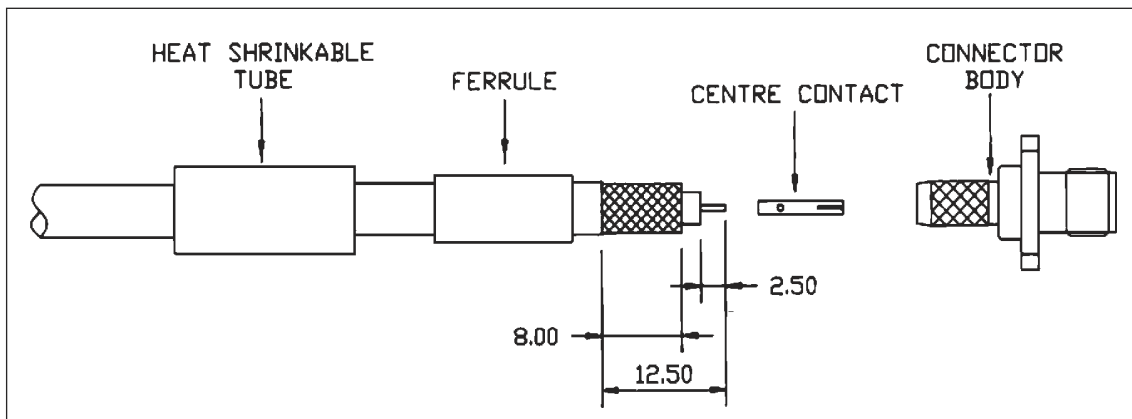
A 13

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit centre contract over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



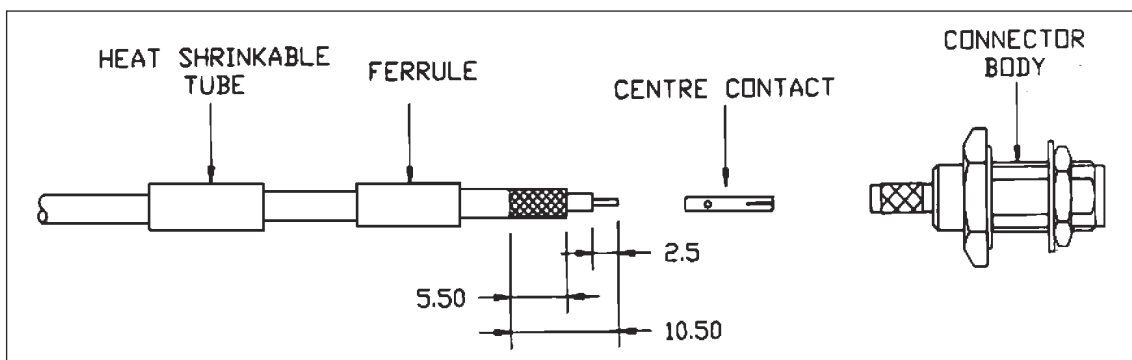
A 14

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit centre contract over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



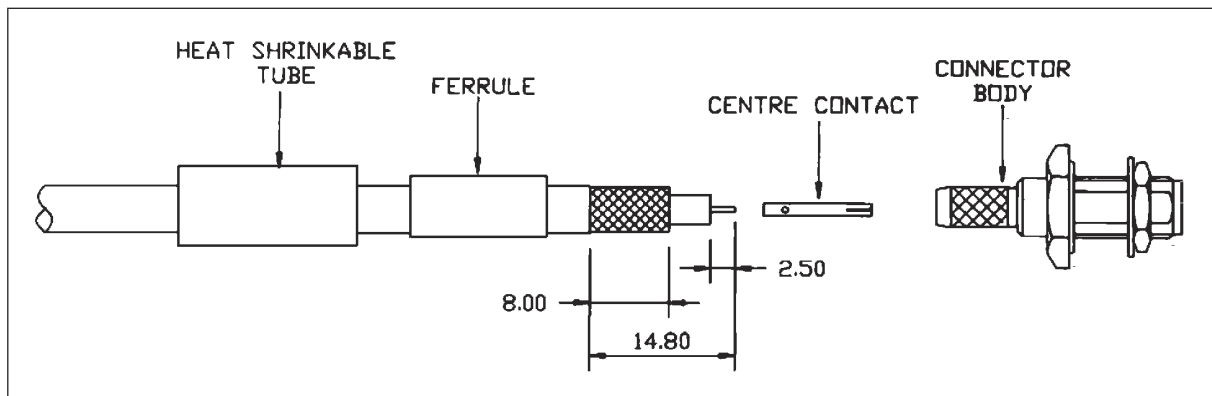
A 15

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit centre contract over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



A 16

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contract over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.



A 17

1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contract over the centre conductor of cable and solder the centre contact firmly to the cable.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.
5. Shrink the heat shrinkable tube over the ferrule.

**DIMENSIONS OF APPLICABLE R.F. CABLES**

Cable Group	Impedance $\Omega$	Inner Conductor		Dielectric	Max Screen	Jacket
		Composition	Nom Dia			
RG 58 C/U	50	19x0.18	0.90	2.95	3.81 S	4.95
RG 141/U	50	Single Core	0.99	2.95	3.71 S	4.83
RG 142/B/U	50	Single Core	0.94	2.95	3.71 S	4.83
RG 174 A/U	50	7x0.16	0.48	1.52	2.24 S	2.79
RG 178 B/U	50	7x0.004	0.30	0.84	1.37 S	1.80
RG 188 A/U	50	7x0.17	0.52	1.52	2.06 S	2.79
RG 196 A/U	50	7x0.004	0.30	0.86	1.37 S	2.03
RG 223/U	50	Single Core	0.89	2.95	4.47 D	5.38
RG 303/U	50	Single Core	0.94	2.95	3.71 S	4.32
RG 316/U	50	7x0.007	0.51	1.52	-	2.20
RG 400/U	50	19x0.19	0.98	2.95	4.34 D	4.95
RG 402/U	50	Single Core	0.92	2.08	-	3.58
RG 405/U	50	Single Core	0.51	1.68	-	2.20
LMR 200	50	Single Core	1.11	2.95	3.65	4.95
LMR 400	50	Single Core	2.76	7.24	8.12	10.28



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SC1F02	SMA	Square Flange Receptacle		60-4001	11
				60-3001	
SC1F03	SMA	Narrow Flange Receptacle		60-4002	12
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SC1F04	SMA	Bulk Head Feed through Jack Receptacle	J52405/03-02		12
SC1F12	SMA	Square Flange Receptacle, Flush Dielectric	J52405/05-02	60-4001	12
				60-3001	
SC1F13	SMA	Narrow Flange Receptacle, Flush Dielectric	J52405/05-06	60-4002	12
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SC1F52	SMA	Square Flange Receptacle Stub Contact Flush Dielectric			13
SC1F32	SMA	Square Flange Receptacle Extended Dielectric			13
SC1F42	SMA	Square Flange Receptacle Extended Dielectric	J52405/01-05		13
SC1F33	SMA	Narrow Flange Receptacle Extended Dielectric			13
SC1F43	SMA	Narrow Flange Receptacle Extended Dielectric			13
SC1MA01	SMA	Right Angle Receptacle, Plug			13
SC1FA02	SMA	Square Flange Receptacle – Right Angle Flush Dielectric	J52405/11-03		14
SC1FA12	SMA	Right Angle Receptacle, Extended Dielectric Square Flange			14
SC1FA22	SMA	Right Angle Receptacle, Extended Dielectric Square Flange			14
SC1FA32	SMA	Right Angle Receptacle, Extended Dielectric Square Flange			14
SC1PM72	SMA	Square Flange Receptacle, Plug Flush Dielectric Tab Contact			14
SC1PM73	SMA	Narrow Flange Receptacle, Plug Flush Dielectric Tab Contact			14
SC1F72	SMA	Square Flange Receptacle, Flush Dielectric Tab Contact	J52405/01-08		
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SC1F73	SMA	Narrow Flange Receptacle, Plug Flush Dielectric Tab Contact	J52405/01-08		
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SC1F92	SMA	Square Flange Receptacle – Slotted Contact			15
SC1PM92	SMA	Square Flange Receptacle – Slotted Contact			15
SC1F05	SMA	Straight Receptacle			16
SC1F07	SMA	Straight Receptacle	J52405/12-01	93-4001	16
SC1FA07	SMA	Right Angle Receptacle	J52405/14-01	94-4001	16
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SC1F271	SMA	End Launch SMA (F) Receptacle-Round Contact – 1.07 mm			17
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*Part of the plating shop*



*Part of the assembly*



*Part of the testing*



*Part of the machine shop*



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