



MCX



The **MCX** connectors are push and lock series which are ideal for space-saving inter connections. These connectors are very reliable for usage upto 2 GHz applications. Sricom MCX connectors are intermatable with any standard connectors manufactured to MIL-C-39012 specifications.

TECHNICAL SPECIFICATIONS

MATERIAL

Body & Body components	Extruded Brass
Outer contact	Beryllium Copper - heat treated
Inner Contact Sockets	Beryllium Copper - heat treated
Ferrule	Annealed Copper
Dielectric	PTFE

MECHANICAL

Mating	Push-on
Cable affixment	Solder / Crimp
Engagement Force	63 N max.
Disengagement Force	8 N Min., 20 N Max.

ELECTRICAL

Impedance	50 Ohms / 75Ω
Voltage proof	At sea level 500 V rms - RG 178 750 V rms - RG 316
Insulation Resistance at 500 V DC	1000 Meg Ohms (Min)
Centre Contact Resistance	5 Milli ohms (Max)
Outer Contact Resistance	2.5 Milli ohms (Max)
Voltage Rating	At Sea level 335 V rms - RG 316 170 V rms - RG 178
VSWR	1.22 Max. at 1 GHz 1.35 Max. at 3 GHz

ENVIRONMENTAL

Temp. severity	- 55°C to + 155°C
Damp Heat	H12, 21 days

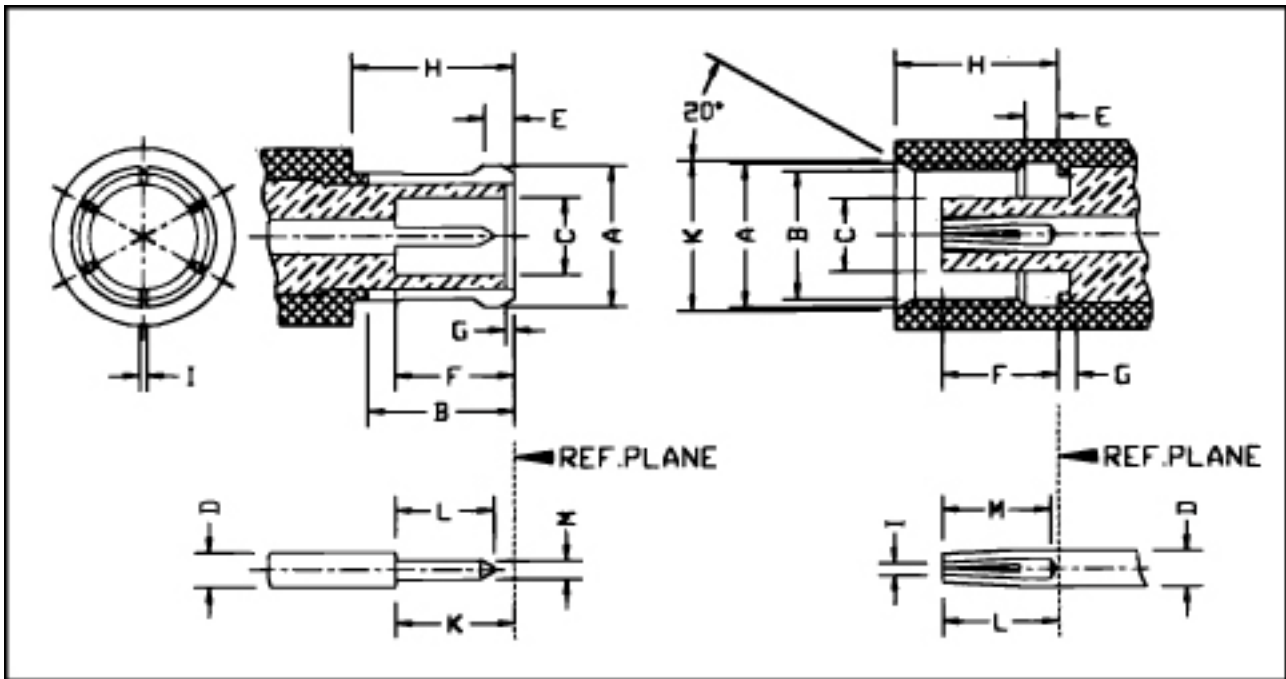


Interface Dimensions – MCX Series

PLUG

JACK

MCX



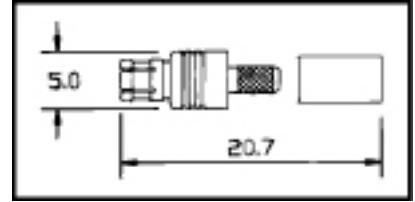
LTR (dim. of)	PLUG		JACK	
	MIN	MAX	MIN	MAX
A	3.62	3.65	3.60	3.80
B	-	3.70 nom	3.42	3.48
C	2.00	2.07	1.80	1.98
D	-	0.95 nom	-	0.95 nom
E	0.50	0.75	0.75	0.85
F	2.80	3.20	2.60	2.80
G	-	0.30	-	0.20
H	4.15	-	4.00	4.12
J	0.20	0.25	0.55	0.58
K	2.80	3.20	3.70	3.85
L	2.49	2.59	2.30	2.80
M	0.48	0.53	2.80	-

ALL DIMENSIONS ARE IN MM



M C X

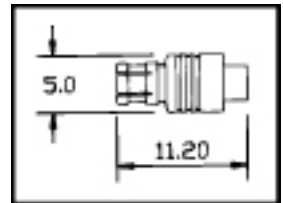
Straight Plug
Crimp Type



Order Code	Impedance Ohms	Applicable Cable
SC9-M-01	50	178, 196
SC9-M-02	50	174, 188, 316

Cable Assembly H-01

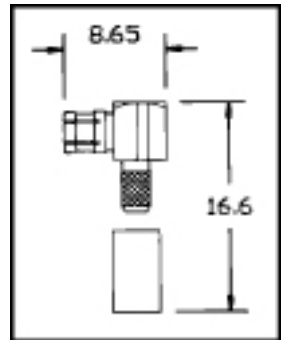
Straight Plug



Order Code	Impedance Ohms	Applicable Cable
SC9-M-06	50	405

Cable Assembly H-02

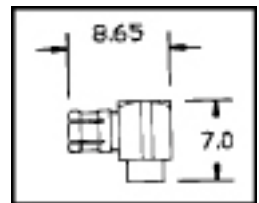
Right Angle Plug
Crimp Type



Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-A-01	50	178, 196
SC9-A-02	50	174, 188, 316

Cable Assembly H-03

Right Angle Plug



Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-A-06	50	405

Cable Assembly H-04



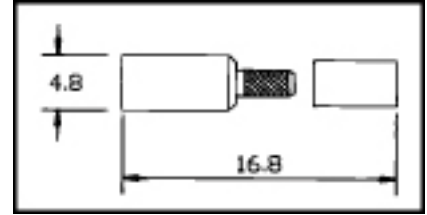
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Straight Jack
Crimp Type

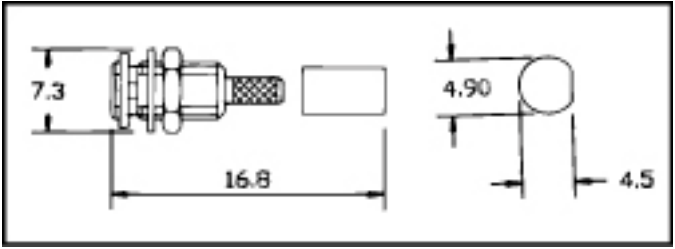


M C X

Order Code	Impedance Ohms	Applicable Cable
SC9-SR-01	50	178, 196
SC9-SR-02	50	174, 188, 316

For Cable Assembly Details refer fig. H01

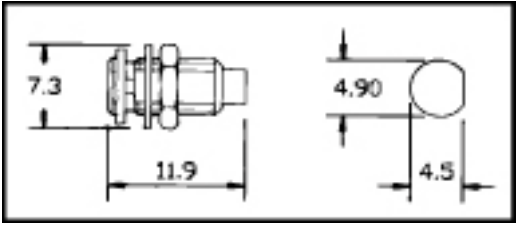
Panel Jack
Bulk Head Mount
Crimp Type



Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-BR-01	50	178, 196
SC9-BR-02	50	174, 188, 316

For Cable Assembly Details refer fig. H01

Panel Jack
Bulk Head Mount



Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-BR-06	50	405

For Cable Assembly Details refer fig. H01



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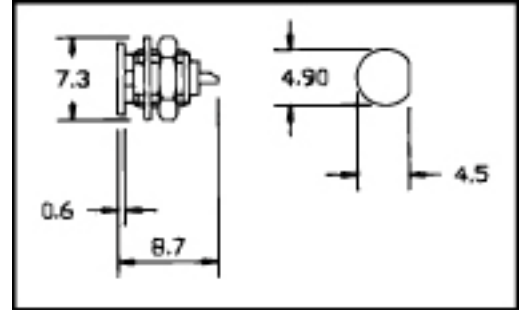
PREVIOUS

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Receptacle
Bulk Head Mount

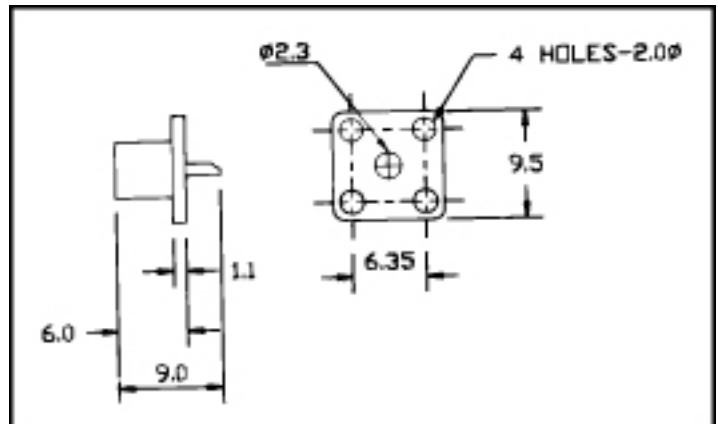
M C X

Order Code	Impedance Ohms
SC9-F-01	50



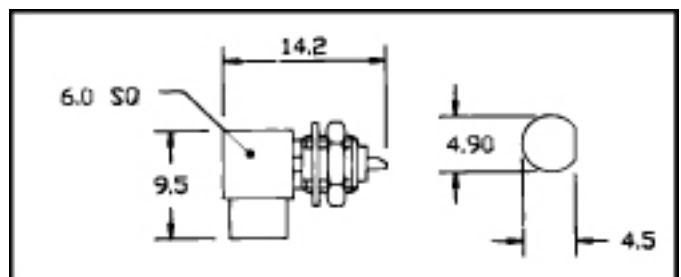
Flange Mount
Receptacle

Order Code	Impedance Ohms
SC9-F-02	50



Right Angle Receptacle
Bulk Head Mount

Order Code	Impedance Ohms
SC9-FAB-01	50





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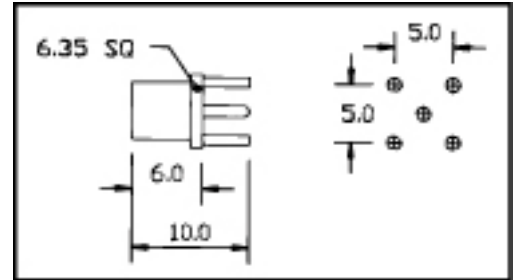
PREVIOUS

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PCB RECEPTACLES

Straight Receptacle

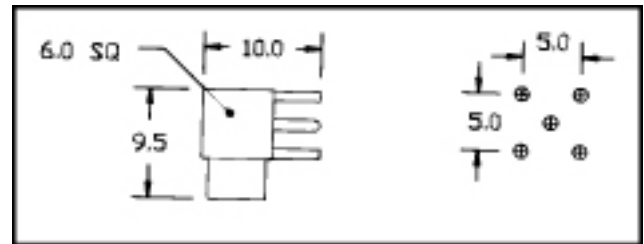
Order Code	Impedance Ohms
SC9-F-05	50



M C X

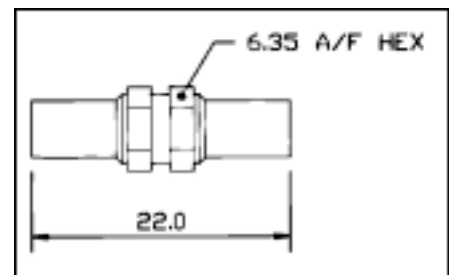
Right Angle Receptacle

Order Code	Impedance Ohms
SC9-FA-05	50



Straight Adaptor Jack - Jack

Order Code	Impedance Ohms
SC9-FF-01	50





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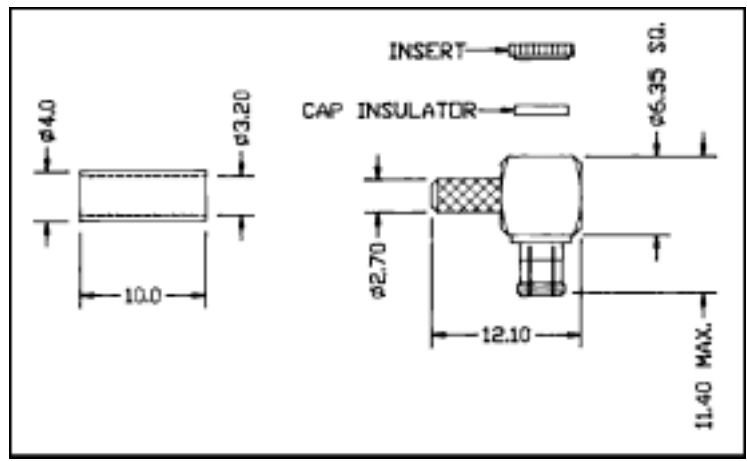
NEXT

Right Angle Plug

M C X

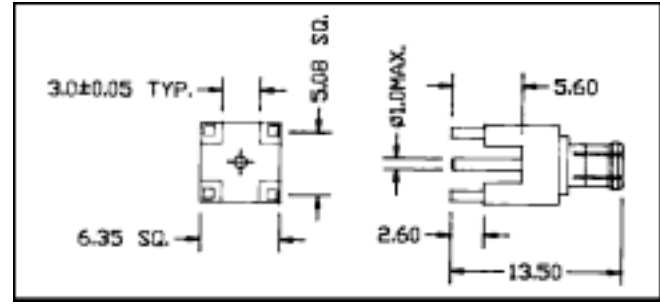
Order Code	Impedance Ohms	Applicable Cable
SC9A02-75	75	179 B/U

For Cable Assembly Details refer fig. H06



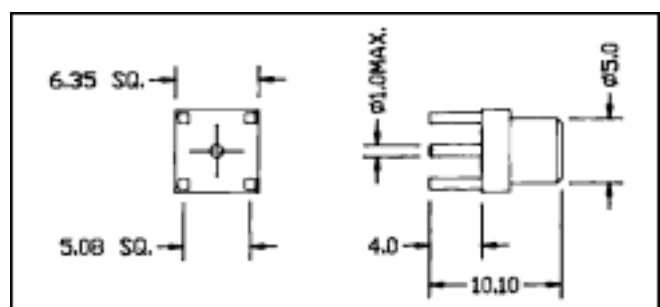
Straight Plug PCB Mount

Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-PM-17	50	MH - 02



Straight Socket PCB Mount

Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-F05-75	75	MH - 02





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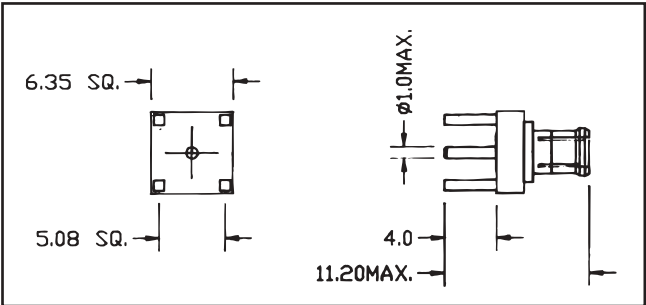
SEARCH

PREVIOUS

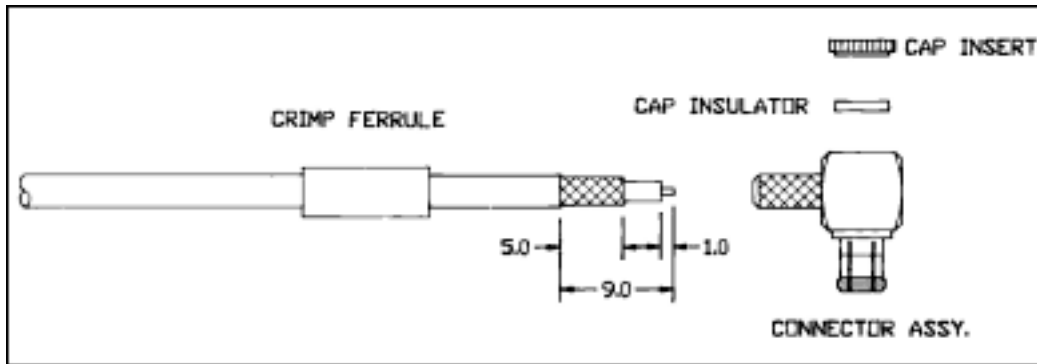
NEXT

Straight Plug
PCB Mount

Order Code	Impedance Ohms	Applicable Cable (RG/U)
SC9-PM27-75	75	MH - 02



M C X

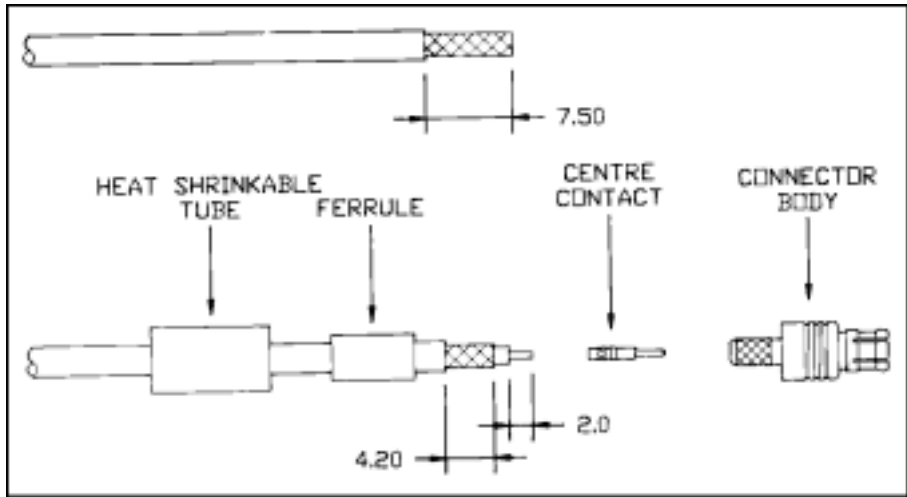


H 06

1. Slide the crimp ferrule over the cable.
2. Trim the cable as per the dimensions shown above.
3. Insert trimmed cable into connector assembly and slide the crimp ferrule over the braid and crimp.
4. Align the center conductor of the cable into the slot of the centre contact and solder.
5. Fit the cap insulator and press the cap insert.



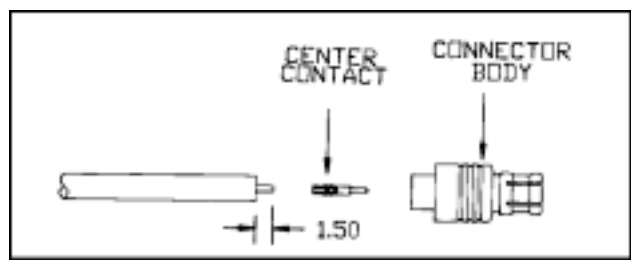
M C X



H 01

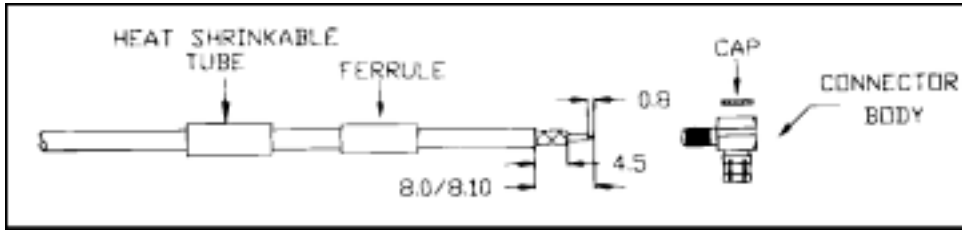
1. Slide the heat shrinkable tube and the ferrule over cable.
2. Strip the cable as per dimensions shown in figure.
3. Fit the centre contact over the centre conductor of cable and solder them.
4. Insert the sub-assembly into body and slide the ferrule until it butts against the body and crimp the ferrule.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

Note : A plug body is shown, but these instructions are relevant to both plugs and jacks.



H 02

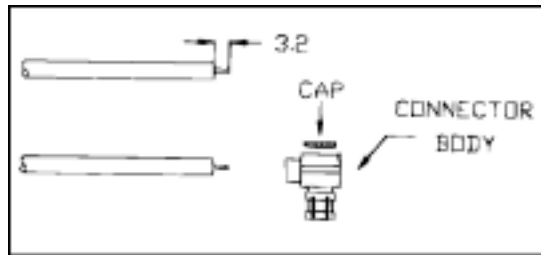
1. Strip the cable as per dimension shown in figure.
2. Insert the centre conductor of the cable into the centre contact and solder.
3. Insert the sub-assembly into the connector body and solder the outer contact of the cable to the connector body.



M C X

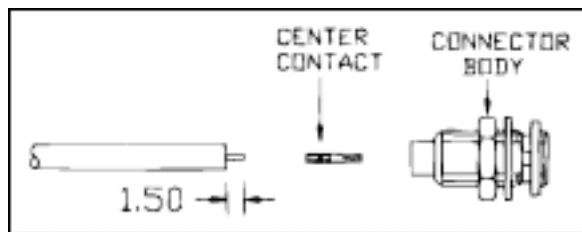
H 03

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.



H 04

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



H 05

1. Strip the cable as per dimension shown in figure.
2. Insert the cable into the connector body. Solder the centre conductor of the cable and centre contact.
3. solder the outer conductor of the cable to the connector body.
4. Fit the cap.