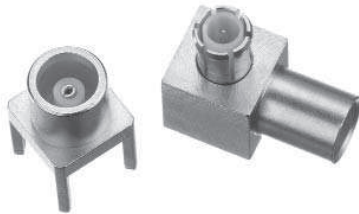


MCX SERIES



- Snap-on interface.
- 1/3 smaller than the SMB connector series.
- Available in 50 and 75 Ohm versions.
- Straight, right angle, and PCB styles available.
- Durable brass bodies with Gold or Nickel plating.
- Small & lightweight.
- Frequency Range: Up to 6 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Annealed Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Insulators:	Teflon®

FINISHES

Body:	Gold or Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 6 GHz
VSWR for RG 316/U or similar:	1.30 Maximum
Insertion Loss:	0.1 dB at 1 GHz
Insulation Resistance:	1,000 Megohms Minimum
Contact Resistance:	Center Contact: 5.0 Milliohms Max Outer Contact: 1.0 Milliohms Maximum

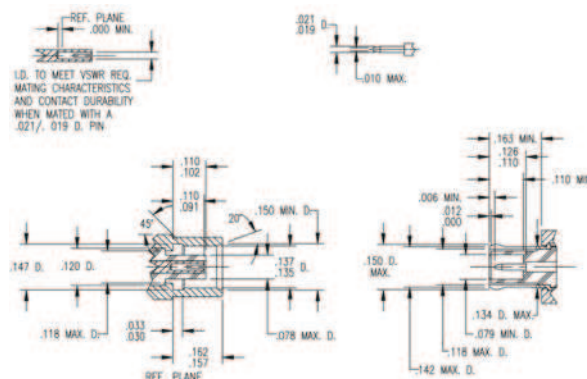
MECHANICAL

Life:	500 Cycles
Engagement Force:	5.6 Pounds Maximum
Disengagement Force:	1.8 Pounds Minimum 4.5 Pounds Maximum
Contact Captivation :	2.3 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 102, Condition C
Corrosion:	MIL-STD-202, Method 101, Condition B

INTERFACE DIMENSIONS



CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

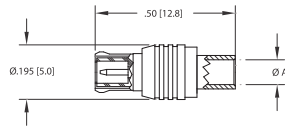


FIGURE 1

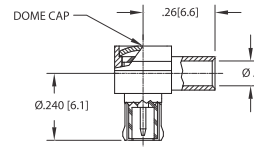


FIGURE 2

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

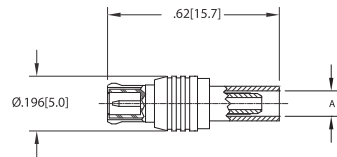


FIGURE 3

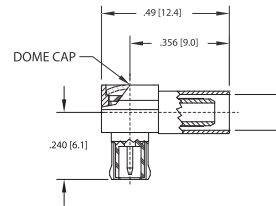


FIGURE 4

**CABLE JACK, SOLDER TYPE
SEMI-RIGID CABLE**

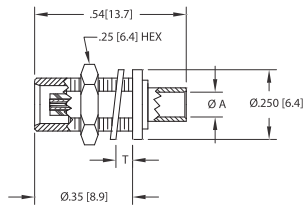


FIGURE 5

**CABLE JACK, CRIMP TYPE
FLEXIBLE CABLE**

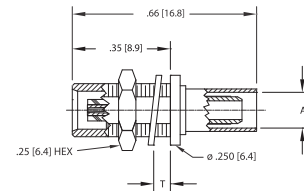


FIGURE 6

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
450-500-0850H		Plug, Solder	M	Gold	0.090				48	CAP5-11			1
450-500-1410H		Plug, Solder	M	Gold	0.144				49	CAP5-11			1
450-500-0470H		Plug, Solder	M	Gold	0.052				51	CAP5-11			1
452-500-0850H		Plug, Angle, Solder	M	Gold	0.090				48	CAP5-12			2
452-500-1410H		Plug, Angle, Solder	M	Gold	0.144				49	CAP5-12			2
452-500-0470H		Plug, Angle, Solder	M	Gold	0.052				51	CAP5-12			2
450-900-0631H		Plug, Crimp	M	Gold	0.142				3	CAP9-08	KTH-2015		3
450-900-0360H		Plug, Crimp	M	Gold	0.091				A	CAP9-08	KTH-2008		3
450-900-0630H		Plug, Crimp	M	Gold	0.128				B	CAP9-08	KTH-2011		3
452-900-0631H		Plug, Angle, Crimp	M	Gold	0.142				3	CAP9-09	KTH-2015		4
452-900-0360H		Plug, Angle, Crimp	M	Gold	0.091				A	CAP9-09	KTH-2008		4
452-900-0630H		Plug, Angle, Crimp	M	Gold	0.128				B	CAP9-09	KTH-2011		4
451-580-0850H		Jack, Bulkhead, Solder	F	Gold	0.090			0.196	48	CAP5-11		P	5
451-580-1410H		Jack, Bulkhead, Solder	F	Gold	0.144			0.196	49	CAP5-11		P	5
451-580-0470H		Jack, Bulkhead, Solder	F	Gold	0.052			0.196	51	CAP5-11		P	5
451-980-0631H		Jack, Bulkhead, Crimp	F	Gold	0.142			0.196	3	CAP9-08	KTH-2015		6
451-980-0360H		Jack, Bulkhead, Crimp	F	Gold	0.091			0.196	A	CAP9-08	KTH-2008		6
451-980-0630H		Jack, Bulkhead, Crimp	F	Gold	0.128			0.196	B	CAP9-08	KTH-2011		6

* For Nickel Plated Version, Change H to N in Part Number

MCX SERIES

PCB PLUGS

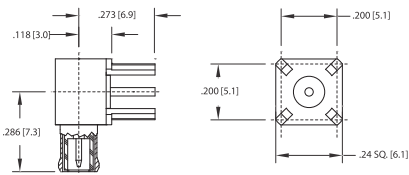


FIGURE 7

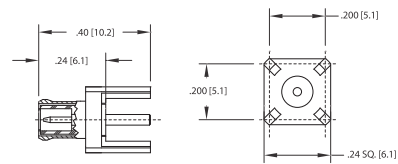


FIGURE 8

PCB JACKS

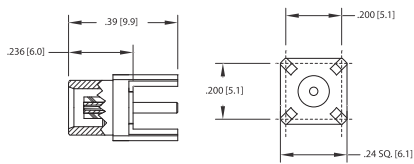


FIGURE 9

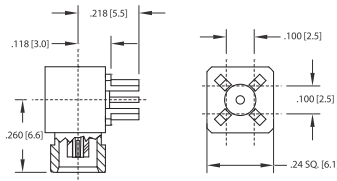


FIGURE 10_1

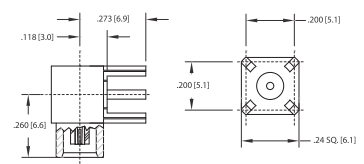


FIGURE 10_2

SURFACEMOUNT JACKS

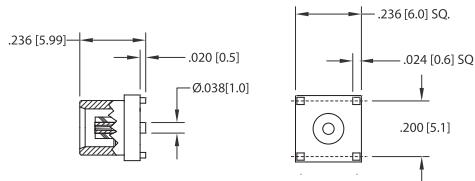


FIGURE 11

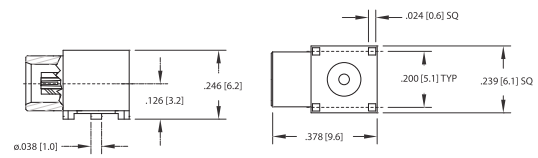


FIGURE 12

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions			Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
452-060-0046H		Plug, Angle, PCB	M	Gold		B	C	T				0	7
450-060-0046H		Plug, PCB	M	Gold								0	8
451-060-0046H		Jack, PCB	F	Gold								0	9
453-040-0046H		Jack, Angle, PCB	F	Gold								N	10_1
453-060-0046H		Jack, Angle, PCB	F	Gold								0	10_2
451-061-0040H		Jack, PCB, Surface Mt	F	Gold									11
453-060-0041H		Jack, Angle, PCB, Surface Mt	F	Gold									12