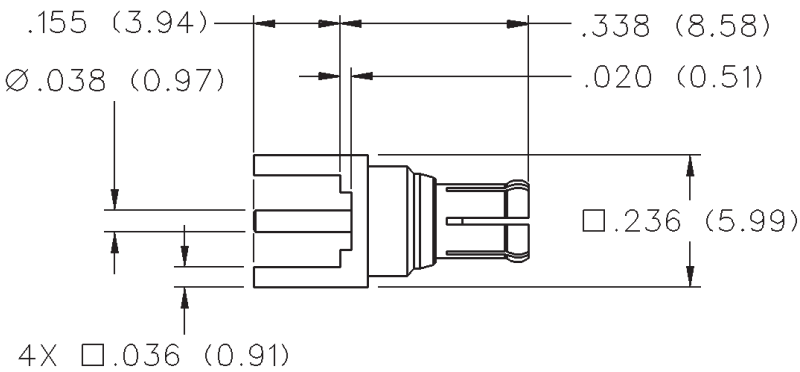


MCX 50 Ohm Straight Plug Receptacle

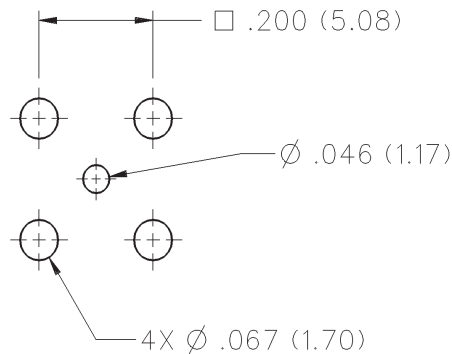


INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST



GOLD PLATED	NICKEL PLATED
133-3801-201	133-3801-206

Mounting hole layout



Specifications



ELECTRICAL RATINGS

Frequency Range: Connectors 0-6 GHz
 Dummy loads 0-1 GHz

Straight Cabled Connectors Right Angle Cabled Connectors

RG-178 cable	1.17 + .04f	1.07 + .06f
RG-316 and .086 semi-rigid cable ...	1.13 + .04f	1.07 + .04f
Adapters		1.13 + .04f
Uncabled receptacles, Dummy loads		N/A

Connectors for Cable Type	Sea Level	70K Feet
RG-178	250	65
RG-316, .086 semi-rigid uncabled uncabled receptacles, adapters	335	85
Dummy loads		N/A

Connectors for RG-178	750
Connectors for RG-316, .086 semi-rigid, uncabled receptacles, adapters	1000
Dummy loads	N/A

Connectors for RG-178	190
Connectors for RG-316, .086 semi-rigid uncabled receptacles, adapters	250
Dummy loads	N/A

Straight cable connectors and adapters	0.1 dB
Right angle cable connectors	0.2 dB
Uncabled receptacles, dummy loads	N/A

Contact Resistance: (milliohms maximum)	After	
	Initial	Environmental

Center contact (straight cabled connectors, uncabled receptacles and adapters)	5.0	8.0
Center contact (right angle cabled connectors)	5.0	15.0
Outer contact	1.0	1.5
Braid to body (gold plated connectors)	1.0	N/A
Braid to body (nickel plated connectors)	2.5	N/A

Cable connectors	-55 dB
Uncabled receptacles and adapters, dummy loads	N/A

** All gold plated parts include a .00005" min. nickel underplate barrier layer.

Connectors for RG178	500
Connectors for RG316 and adapters	700
.086 semi-rigid	670
Uncabled receptacles	600
Dummy loads	N/A

1 inch-ounce min. torque (uncabled receptacles)

Connectors for RG178	10	N/A
Connectors for RG316	20	N/A
Connectors for RG316DS	25	N/A
Connectors for .086 semi-rigid	30	16

MATERIAL SPECIFICATIONS

Mounting Hardware: Brass (nuts) per QQ-B-626 or phosphor bronze (lockwashers) QQ-B-750, gold plated per MIL-G-45204 .00001" min. or nickel plated per QQ-N-290

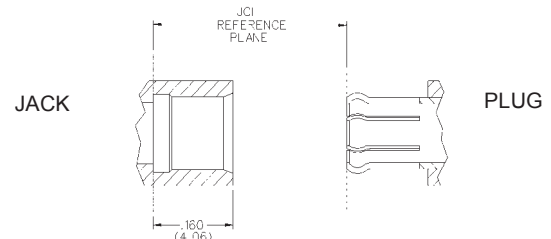
Technical drawings of JACK and PLUG components, showing dimensions and tolerances.

JACK:

- REFERENCE PLANE
- Dimensions: $.0315 \pm .0020$ (0.80 $\pm$ 0.05), $.110$ (2.80) MAX, $\phi .019 - \phi .021$ (0.48-0.53), $\phi .010$ (0.25) MAX FLAT POINT, $\phi .136 \pm .001$ (3.45 $\pm$ 0.03), $\phi .078$ MAX (1.98), $\phi .145 \pm .003$ (3.68 $\pm$ 0.08), $\phi .150$ (3.81) MIN, $.162$ MAX (4.11), $.110$ MAX (2.80), $.000$ MIN.
- Angles: 45° , 20° .
- NOTE 1: Points to the internal thread.

PLUG:

- Dimensions: $.163$ MIN (4.14), $.000$ MIN, $\phi .010$ MIN (0.25), $\phi .135$ (3.43) MAX, $\phi .078$ (1.98) MIN, $.006$ (0.15) MIN, $.047$ (1.19) MAX, $.110$ (2.79) MIN, $.110$ (2.79) MIN.
- NOTE 2: Points to the internal thread.



1. ID of contact to meet VSWR mating characteristics and connector durability when mated with a dia. .019-.021 (0.48-0.53) male contact.
2. Must meet the force to engage and disengage when mated with mating part.