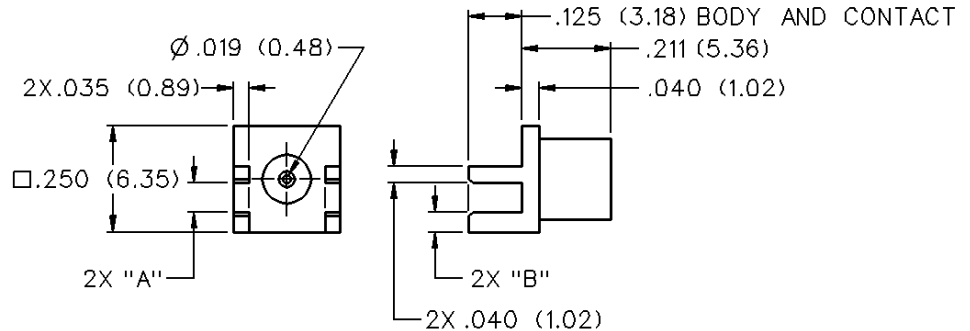


## End Launch Jack Receptacle - Round Contact



BOARD THICKNESS	GOLD PLATED	"A"	"B"
.062 (1.57)	133-9701-801	.068 (1.73)	.048 (1.22)

## SPECIFICATIONS

### ELECTRICAL RATINGS

**Impedance:** 50 Ohms

**Frequency Range:** 0-6 GHz

**VSWR:** (f = GHz)

	Straight Cabled Connectors	Right Angle Cabled Connectors
RG-316 cable .....	1.13 + .04f	1.07 + .04f
Uncabled receptacles .....		N/A

**Working Voltage:** (Vrms maximum)

Connectors for Cable Type	Sea Level	70K Feet
RG-316 .....	335	85

**Dielectric Withstanding Voltage:** (VRMS minimum at sea level)

Connectors for RG-316, uncabled receptacles .....	1000
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**Corona Level:** (Volts minimum at 70,000 feet)

Connectors for RG-316, uncabled receptacles .....	250
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**Insertion Loss:** (dB maximum, tested at 1 GHz)

Straight cable connectors .....	0.1 dB
Right angle cable connectors .....	0.2 dB
Uncabled receptacles .....	N/A

**Insulation Resistance:** 10,000 megohms minimum

**Contact Resistance:** (milliohms maximum)

	Initial	After Environmental
Center contact (straight cabled connectors, uncabled receptacles) .....	5.0	8.0
Center contact (right angle cabled connectors) .....	5.0	15.0
Outer contact .....	1.0	1.5
Braid to body .....	1.0	N/A

**RF Leakage:** (dB typical tested at 2.5 GHz)

Cable connectors .....	-55
Uncabled receptacles .....	N/A

**RF High Potential Withstanding Voltage:** (Vrms minimum, tested at 4 and 7 MHz)

Cabled connectors .....	700
Uncabled receptacles .....	600

### MECHANICAL RATINGS

**Engagement Design:** Compatible with CECC 22220, Series MCX

**Engagement Force:** 5.6 pounds maximum axial force

**Disengagement Force:** 8 pounds maximum axial force, 1 pound min.

**Contact Retention:** 2.3 pounds min. axial force (captivated contacts)  
1 inch-ounce min. torque (uncabled receptacles)

Cable Retention:	Axial Force* (pounds)	Torque (in-oz)
Connectors for RG316 .....	20	N/A
Connectors for RG316DS .....	25	N/A

\* or cable breaking strength whichever is less.

**ENVIRONMENTAL RATINGS (Meets or exceed the applicable paragraph of MIL-PRF-39012)**

**Durability:** 500 cycles minimum

**Temperature Range:** - 65°C to + 165°C

**Thermal Shock:** MIL-STD-202, Method 107, Condition F

**Corrosion:** MIL-STD-202, Method 101, Condition B

**Shock:** MIL-STD-202, Method 213, Condition B

**Vibration:** MIL-STD-202, Method 204, Condition B

**Moisture Resistance:** MIL-STD-202, Method 106