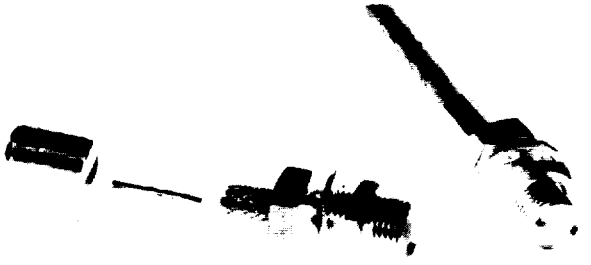
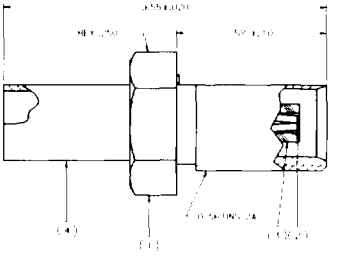
MCX Straight Cable Bulkhead Jack

133-3302-401 133-3302-406
133-3303-401 133-3303-406
133-3304-401 133-3304-406





- 30% Smaller Than SMB
- Rugged Snap-on Mating Design
- RG 316 Captivated Contacts

CECC 22220 Compatible

Part Number	Cable Type	Item 1 Body	Item 2 Contact	Item 3 Insulator	Item 4 Crimp Sleeve	Item 5 Nut	Item 6 Washer
133-3302-401 133-3303-401 133-3304-401	RG 178 RG 316 RG316DS	Brass Gold pl .00001 min over Nickel pl .00005 min over Copper pl .00005 min	Beryllium Copper Gold pl .00003 min over Nickel pl .00005 min over Copper pl .00005 min	Teflon	Copper Gold pl .00001 min over Nickel pl .00005 min over Copper pl .00005 min	Brass Gold pl .00001 min over Nickel pl .00005 min ove Copper pl .00005 min	Phospher Bronze Gold pl .00001 min over Nicke pl .00005 min over Copper pl .00005 min
133-3302-406 133-3303-406 133-3304-406	RG 178 RG 316 RG 316DS	Brass Nickel pl .0001 min over Copper pl .00005 min	Beryllium Copper Gold pl .00003 min over Nickel pl .00005 min over Copper pl .00005 min	Teflon	Copper Nickel pl .0001 min over Copper pl .00005 min	Brass Nickel pl .0001 min over Copper pl .00005 min	Phosphor Bronze Nickel pl .0001 min over Copper pl .00005 min

Specifications:

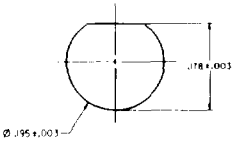
Impedance: 50 Ohms
Frequency Range: 0-6 GHz
VSWR: 133-3302-401/406 1.17 + .04F max (F in GHz)
133-3303-401/406 1.13 + .04F max (F in GHz)
133-3304-401/406 1.13 + .04F max (F in GHz)
Working Voltage:
133-3302-401/406 250 Vrms at sea level
133-3303-401/406 335 Vrms at sea level
133-3304-401/406 335 Vrms at sea level
Insulation Resistance: 10000 megohom min
Dielectric Withstanding Voltage:
133-3302-401/406 750 Vrms min at sea level
133-3303-401/406 1000 Vrms min at sea level
133-3304-401/406 1000 Vrms min at sea level
Contact Resistance:
Center Contact - Initial 5 milliohm max, after environmental 8 milliohm max
Outer Conductor - Gold plated initial 1 milliohm max, after environmental 1.5 milliohm max
Nickel plated initial 2.5 milliohm max, after environmental 3.5 milliohm max
Body To Cable - Gold plated initial 1 milliohm max, after environmental not applicable
Nickel plated initial 2.5 milliohm max, after environmental not applicable
Corona Level:
133-3302-401/406 190 volts minimum at 70,000 feet
133-3303-401/406 250 volts minimum at 70,000 feet
133-3304-401/406 250 volts minimum at 70,000 feet
Insertion Loss: .1 dB max at 1 GHz
RF Leakage: -70 dB at 2.5 GHz
RF High Potential Withstanding Voltage:
133-3302-401/406 500 Vrms at 4 and 7 MHz
133-3303-401/406 700 Vrms at 4 and 7 MHz
133-3304-401/406 700 Vrms at 4 and 7 MHz

Mechanical:

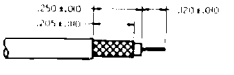
Engage/Disengage Force: 3.4 lbs max engagement
5 lbs typical disengagement
Contact Retention: 4 lbs min axial force (RG 178 not applicable)
Cable Acceptability:
RG 178 ...RG 178/U, RG 196/U
RG 316... RG 188/U, RG 316/U, RG 161/U, RG 174/U
RG 316 DS...RG 188 Double Shielded, RG 316 Double Shielded
Cable Hex Crimp Size:
RG 178 ... .105
RG 316... .128
RG 316DS... .151
Cable Retention:
RG 178 ...10 lbs min axial force
RG 316... 20 lbs min axial force
RG 316DS...25 lbs min axial force
Durability: 500 cycles min

Environmental:

(Meets or exceeds the applicable paragraph of MIL-C-39012)
Thermal Shock: MIL-STD-202, Method 107, Condition F
Operating Temperature: -65 deg C to 165 deg C
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



MOUNTING HOLE LAYOUT



Cable Strip Dimensions