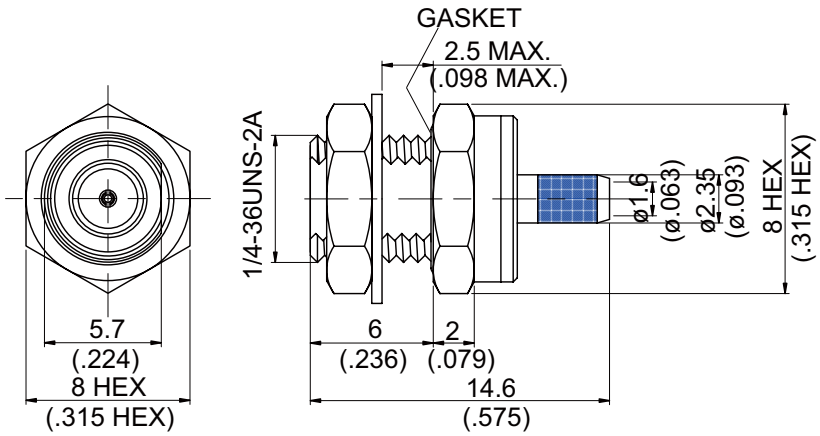
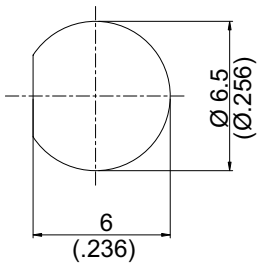
MCX8105-0316	**MCX Jack Crimp Bulkhead For RG174,RG188,RG316; 6GHz VSWR 1.2**	**50Ω**



MOUNTING HOLE



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

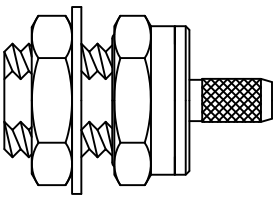
Suitable Cables: RG174,RG188,RG316,RG316-FEP

MCX	MCX8105-0316
Interface	
IEC 61169-36	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≦1.2 (DC to 6GHz)
Insertion loss	≦0.1dB to 1GHz; ≦0.15 to 3GHz
Insulation resistance	≧10000mΩ
Contact resistance inner conductor	≦5mΩ
Contact resistance outer conductor	≦2.5mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
Mechanical Data	
Engagement force	≦5.6 lbs
Disengagement force	1.8 to 4.5 lbs
Contact captivation-axial	≧2.3 lbs
Durability (mating)	≧500
Environmental Data	
Temperature range	-55 to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition F
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant
Tooling	
Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-A
Soldering gauge	ST-0.3

CABLE ASSEMBLY INSTRUCTION

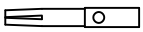
MCX8105-0316	DATE	2020/05/07	REV	—

A



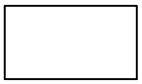
BODY + HEX NUT
+ LOCK WASHER
+ GASKET

B

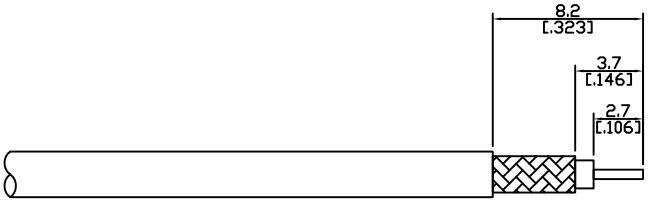
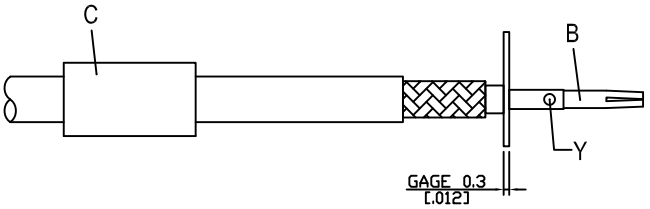
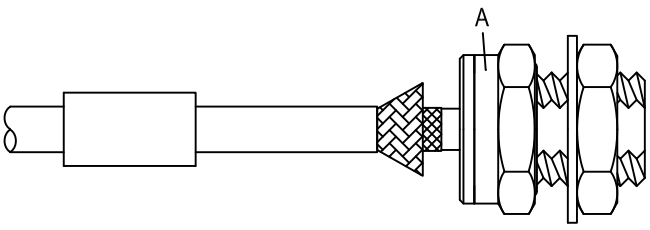
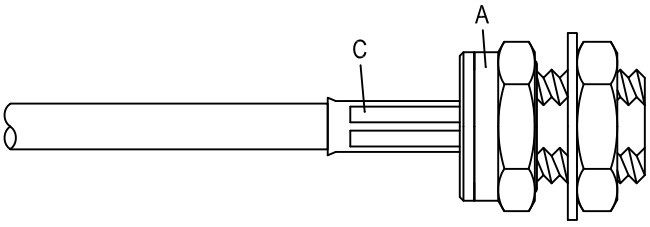


CONTACT PIN

C



FERRULE

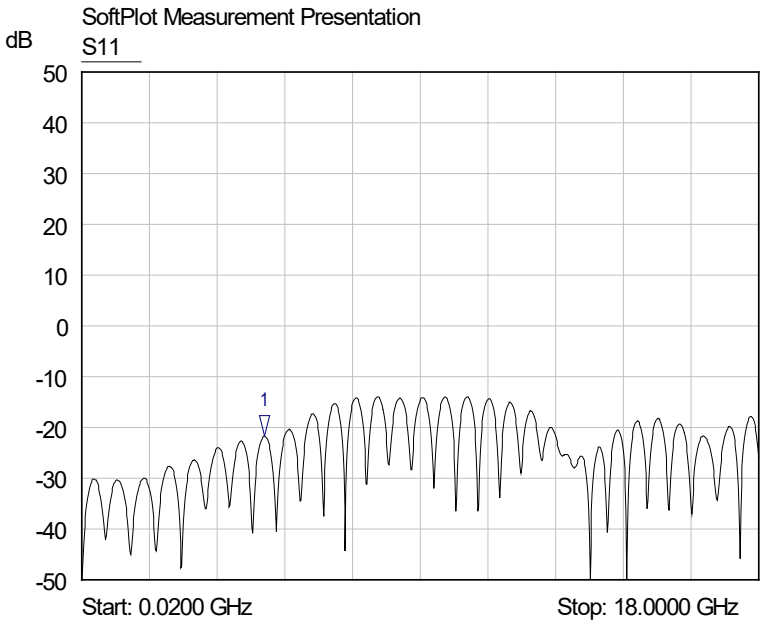
DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT 0.3 MM GAGE ST-0.3 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

APPROVED	CHECKED	DRAWING
		Albert

MCX8105-0316



1 S11
4.8800 GHz
-21.72 dB