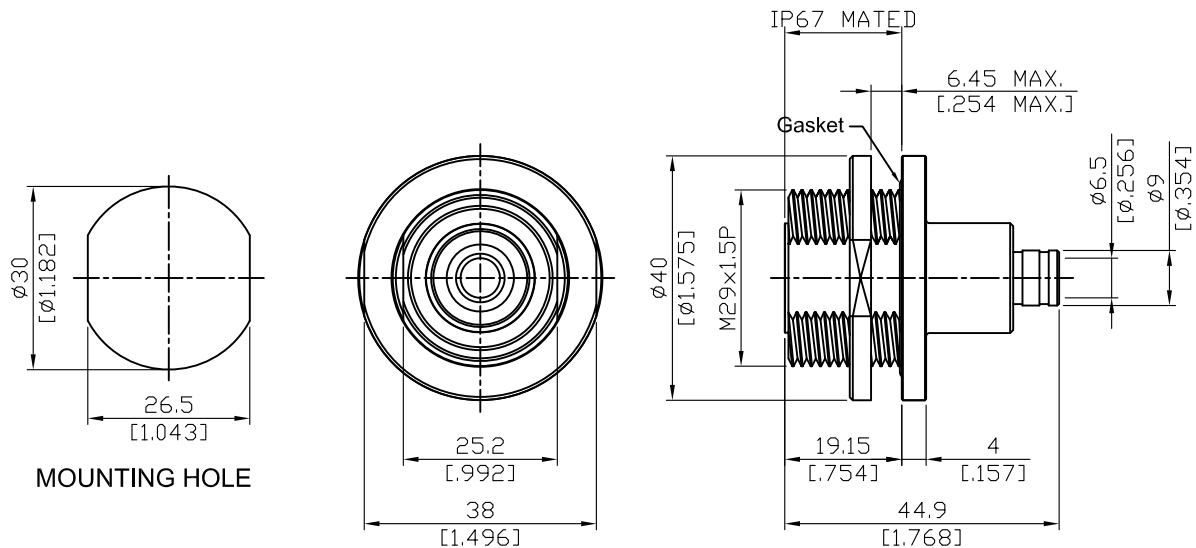


7/16-8305-0250/LP

Low Pim 7/16 Jack Solder Bulkhead,
IP67 Mated, For RG401; 5GHz VSWR 1.2

50Ω



PIM REQUIREMENT:-160dBC FOR TWO TONES OF +43dBm POWER

Parts	Material	Plating (Micro-inch)
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	P.Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: .250 Semi-Rigid, .250 Formable, RG401

This part number complies with RoHS.

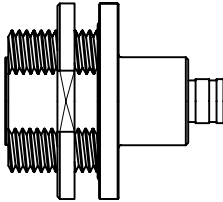
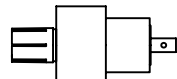
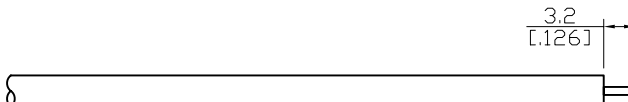
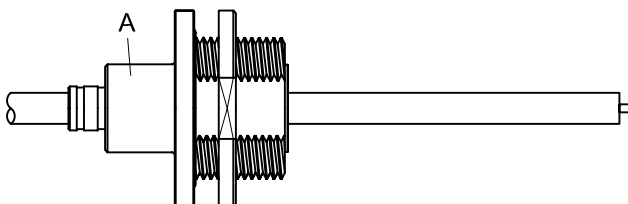
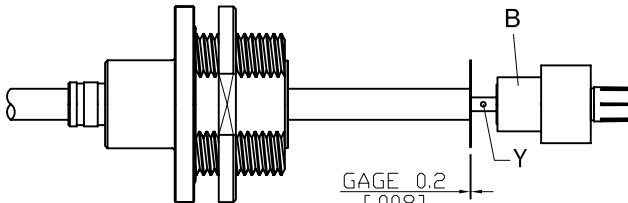
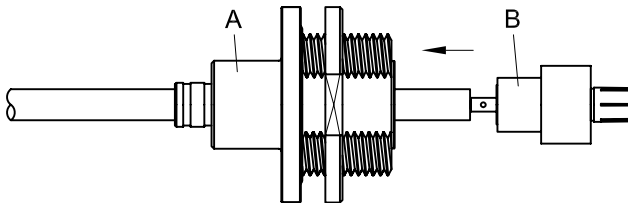
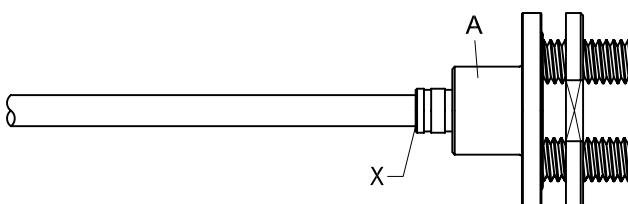
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

7/16	7/16-8305-0250/LP
Interface IEC 60169-4	
Electrical Data Impedance 50Ω Frequency range DC to 5GHz VSWR ≤ 1.2 (DC to 5GHz) Insertion loss $\leq 0.05\text{dB}$ Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 0.4\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 4000 V rms Working Voltage (at sea level) 2700 V rms RF leakage $\geq 128\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 260 inch lbs Coupling proof torque 310 inch lbs Contact captivation-axial ≥ 45 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method107, Condition B Moisture resistance MIL-STD-202, Method106 Corrosion MIL-STD-202, Method101, Condition B RoHS Compliant	
Tooling Soldering gauge ST-0.2	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

7/16-8305-0250/LP		DATE	2016/07/20	REV	—
A  BODY + GASKET + HEX NUT		B  CONTACT PIN + INSULATOR			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE CONNECTOR BODY " A " OVER CABLE.			
		Step 3: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 4: PUT CENTER PIN " B " INTO CONNECTOR BODY " A " .			
		Step 5: SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

7/16-8305-0250/LP

S11

