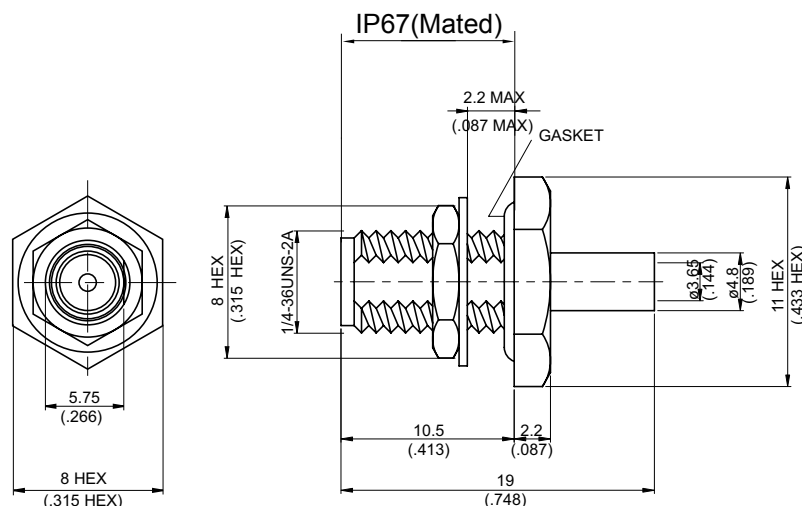


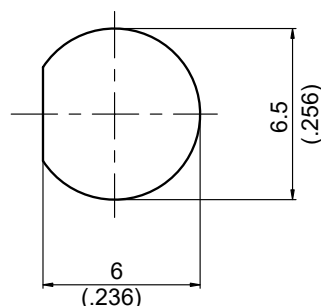
SMA8305SG-0141

SMA Jack Solder Bulkhead
For RG402 IP67 mated; 18GHz VSWR 1.2

50Ω



MOUNTING HOLE



Parts	Material	Plating (Micro-inch)
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	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Gold 5 Over Nickel 50 Over Copper 50

Suitable Cables: Semi-rigid.141

This part number complies with RoHS.

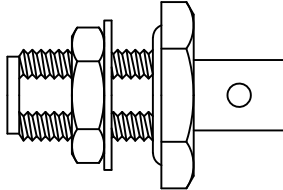
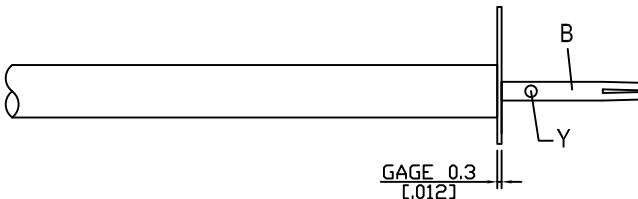
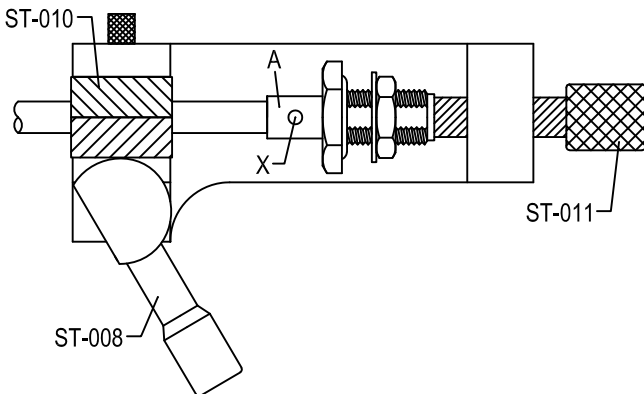
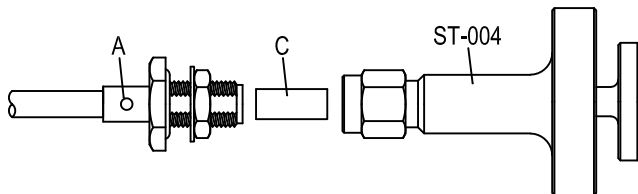
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA		SMA8305SG-0141	
Interface			
MIL-STD-348B			
Mechanically compatible with		2.92 & 3.5	
Electrical Data			
Impedance		50Ω	
Frequency range		DC to 18GHz	
VSWR		≤ 1.2 (DC to 18GHz)	
Insertion loss		≤ 0.04 x √f(GHz) dB	
Insulation resistance		≥ 5000MΩ	
Contact resistance inner conductor		≤ 3mΩ	
Contact resistance outer conductor		≤ 2mΩ	
Dielectric withstanding voltage (at sea level)		1500 V rms	
Working voltage (at sea level)		500 V rms	
Mechanical Data			
Recommended coupling nut torque		7 to 9.5 inch lbs	
Coupling proof torque		15 inch lbs	
Contact Captivation-axial		≥ 6.1 lbs	
Durability (mating)		≥ 500	
Environmental Data			
Temperature range		-65°C to +165°C	
Thermal shock		MIL-STD-202, Method 107, Condition B	
Moisture resistance		MIL-STD-202, Method 106	
Corrosion		MIL-STD-202, Method 101, Condition B	
RoHS		Compliant	
Tooling			
Soldering gauge	ST-0.3	Soldering fixture	ST-008
Locator tool	ST-011	Insert for .141 semi-rigid cable	ST-010
Dielectric insertion tool	ST-004		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8305SG-0141		DATE	2020/04/13	REV	A
A  BODY + HEX NUT + LOCK WASHER + GASKET B  CONTACT PIN C  INSULATOR					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT 0.3 MM GAGE ST-0.3 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
			Step4: USE DIELECTRIC INSERTION TOOL " ST-004 " TO INSERT THE TEFLON " C ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8305SG-0141

