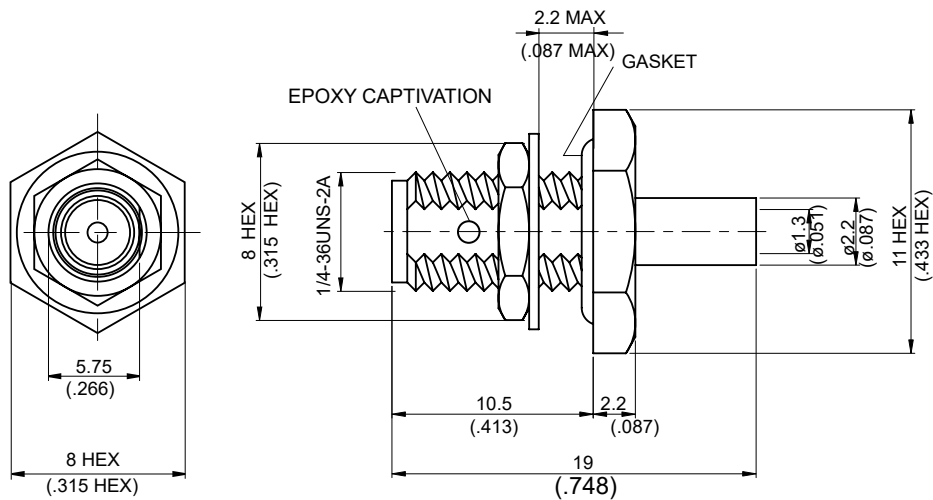


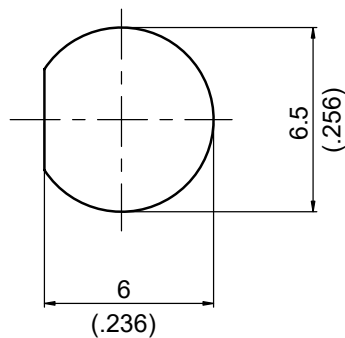
SMA8305-0047

SMA Jack Solder Bulkhead For .047 semi-rigid
18GHz VSWR 1.2

50Ω



MOUNTING HOLE :



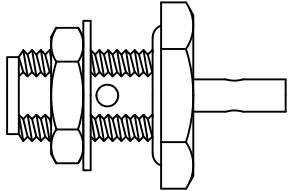
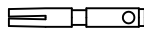
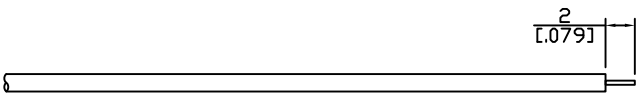
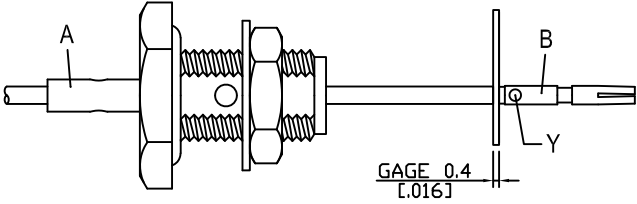
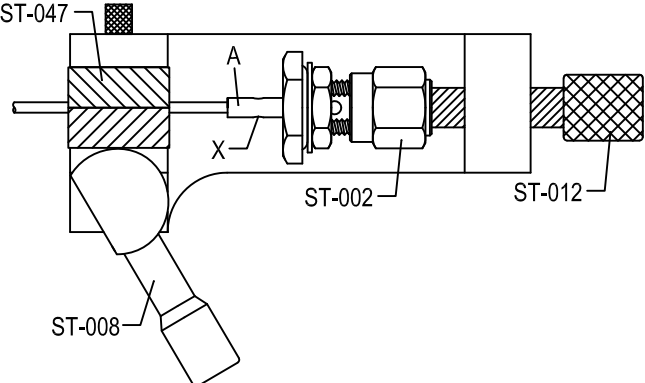
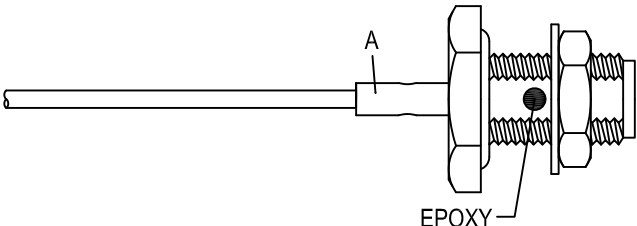
Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicon	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass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

Weight: 3.68 g

Suitable Cables: Semi-rigid.047

SMA	SMA8305-0047
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 $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working voltage (at sea level) 335 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
Environmental Data Temperature range -40°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-0.4 Locator tool ST-002 & ST-012 Soldering fixture ST-008 Insert for .047 semi-rigid cable ST-047	

CABLE ASSEMBLY RECOMMENDATION

SMA8305-0047		DATE	2020/02/05	REV	A
A  BODY B  CONTACT PIN					
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE CONNECTOR " A " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ". USE 0.4MM GAGE ST-0.4.			
		Step 4:USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-002 " 、 "ST-012 "TO FIX THE CONNECTOR. SOLDER IN " X ".			
		Step 5: POUR EPOXY INTO CONNECTOR.			
APPROVED		CHECKED		DRAWING	

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