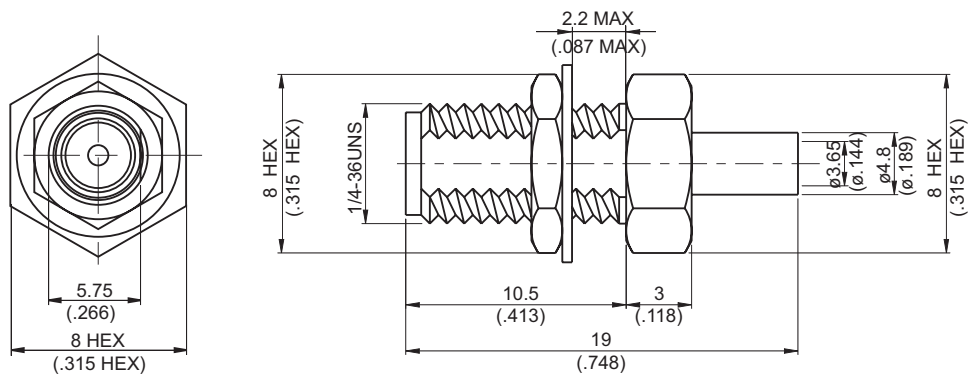
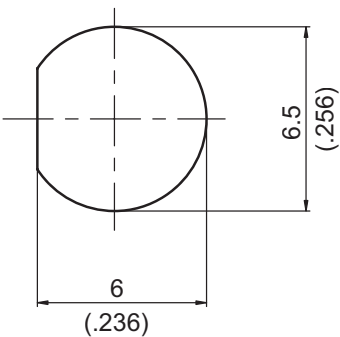


SMA8300L-0141

SMA Jack Solder Bulkhead For RG402; 50Ω
18GHz VSWR 1.2



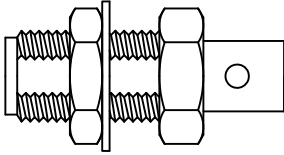
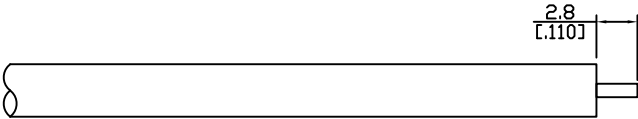
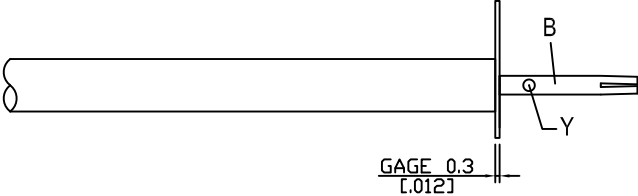
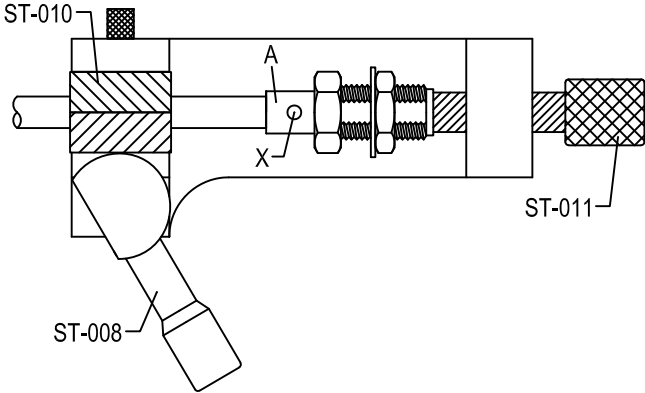
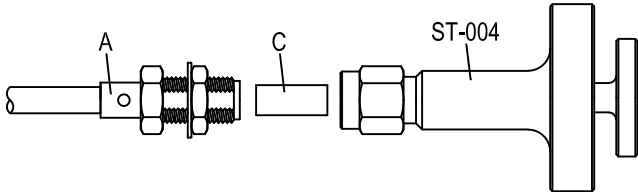
MOUNTING HOLE :

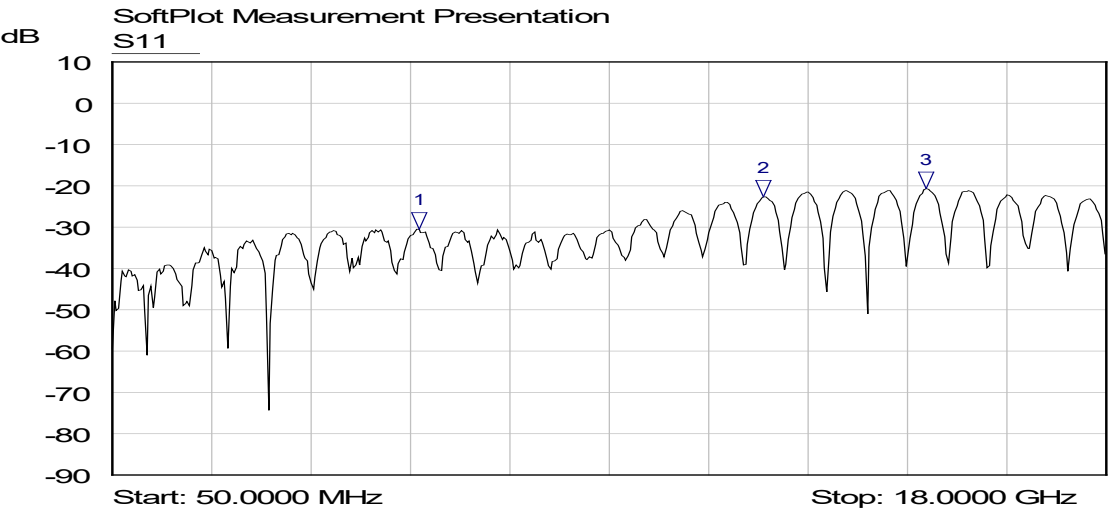


Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus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

Weight: 3.34 g
Suitable Cables: Semi-rigid.141,conformable .141

SMA	SMA8300L-0141
<div>Interface</div> <div>MIL-STD-348B</div> <div>Mechanically compatible with2.92 & 3.5</div>	
<div>Electrical Data</div> <div>Impedance50Ω</div> <div>Frequency rangeDC to 18GHz</div> <div>VSWR≤1.2 (DC to 18GHz)</div> <div>Insertion loss≤0.04 x √f(GHz) dB</div> <div>Insulation resistance≥5000MΩ</div> <div>Contact resistance inner conductor≤3mΩ</div> <div>Contact resistance outer conductor≤2mΩ</div> <div>Dielectric withstanding voltage (at sea level)1500 V rms</div> <div>Working voltage (at sea level)500 V rms</div>	
<div>Mechanical Data</div> <div>Recommended coupling nut torque4 inch lbs</div> <div>Coupling proof torque5.3 inch lbs</div> <div>Contact Captivation-axial≥6.1 lbs</div> <div>Durability (mating)≥100</div>	
<div>Environmental Data</div> <div>Temperature range-65°C to +165°C</div> <div>Thermal shockMIL-STD-202, Method 107, Condition B</div> <div>Moisture resistanceMIL-STD-202, Method 106</div> <div>CorrosionMIL-STD-202, Method 101, Condition B</div> <div>RoHSCompliant</div>	
<div>Tooling</div> <div>Soldering gaugeST-0.3</div> <div>Locator toolST-011</div> <div>Dielectric insertion toolST-004</div> <div>Soldering fixtureST-008</div> <div>Insert for .141inch semi-rigid cableST-010</div>	

SMA8300L-0141		DATE	2020/04/11	REV	A
A		B	C		
					
BODY + HEX NUT + LOCK WASHER		CONTACT PIN	INSULATOR		
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.3 MM GAGE 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 ".			



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.5844 GHz	-30.47 dB	
2 ▽	S11	11.8152 GHz	-22.60 dB	
3 ▽	S11	14.7474 GHz	-20.74 dB	

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