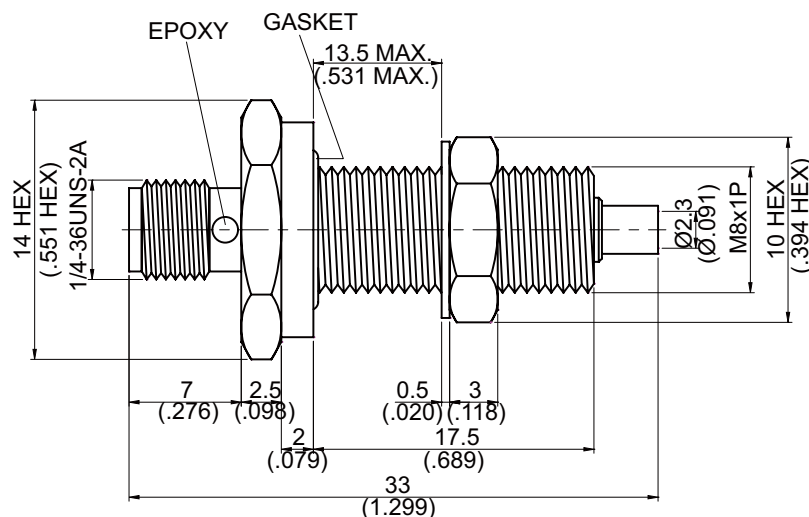


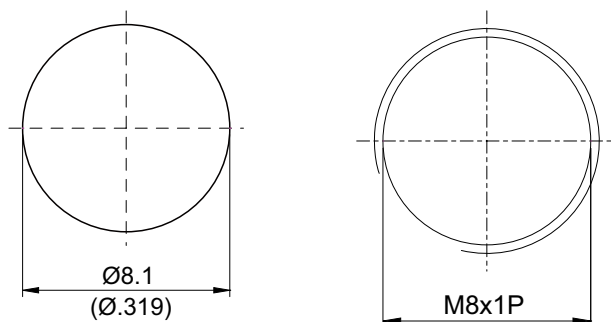
SMA8105BLA-0178/HS

SMA Jack Crimp Bulkhead
For RG178,RG178-FEP; 2GHz VSWR 1.2

50Ω



MOUNTING HOLES



Parts	Material	Plating (Micro-inch)
Gasket	Silicon	
Ferrule	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Washer	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Small Pin	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Body	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20

Suitable Cables:RG178,RG196

This part number complies with RoHS.

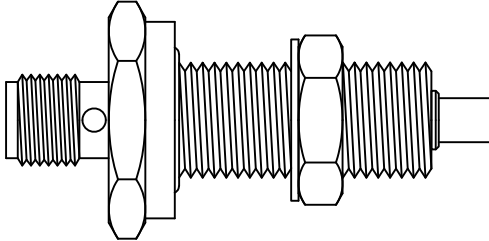
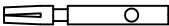
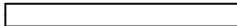
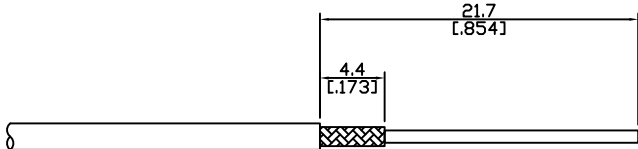
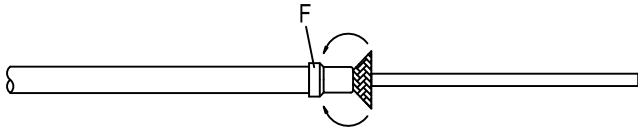
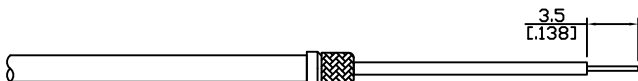
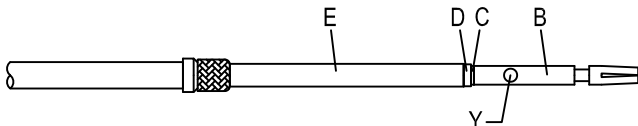
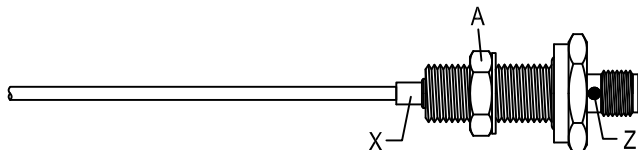
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8105BLA-0178/HS
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 2GHz VSWR ≤ 1.2 (DC to 2GHz) 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) 750 V rms Working voltage (at sea level) 250 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 -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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-A	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8105BLA-0178/HS		DATE	2022/01/10	REV	—	
A  BODY + GASKET + LOCK WASHER + HEX NUT		B  CONTACT PIN	C  INSULATOR	D  INSULATOR	E  FERRULE	F  FERRULE
DIAGRAM		ASSEMBLY INSTRUCTION				
		Step 1: STRIP AS SHOWN.				
		Step 2: SLIDE FERRULE " F " OVER CABLE. Step 3: WRAP THE BRAIDING OVER " F ".				
		Step 4: STRIP AS SHOWN.				
		Step 5: SLIDE PREPARED CABLE INTO FERRULE " E ". Step 6: PUT INSULATOR " C " 、 INSULATOR " D "AND CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".				
		Step 7: PUT PREPARED CABLE INTO CONNECTOR BODY " A " AND CRIMP IN " X ". (USE 2.55mm/0.100inch HEX SECTION OF INSERT-A) Step 8: ADD EPOXY IN " Z ".				
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.						
APPROVED		CHECKED		DRAWING		
				Albert		

SMA8105BLA-0178/HS

S11

