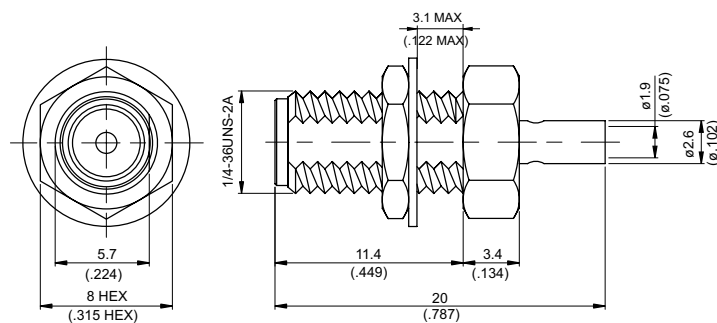


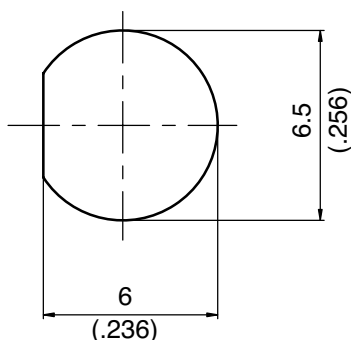
SMA8300LB-0178

SMA Jack Solder Bulkhead
For RG178,RG178-FEP; 3GHz 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
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: RG178,RG178-FEP

This part number complies with RoHS.

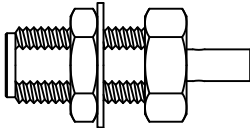
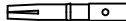
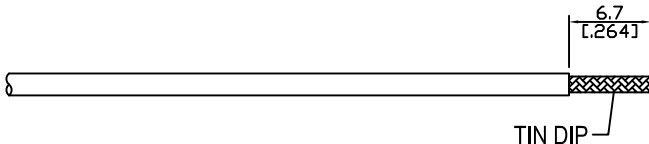
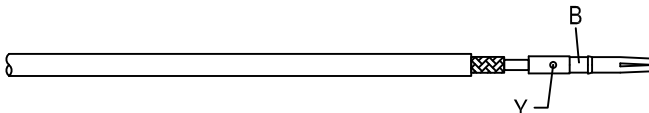
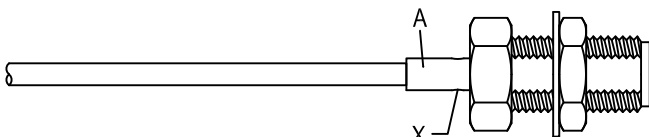
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8300LB-0178
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 3GHz VSWR ≤ 1.2 (DC to 3GHz) 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 $\leq 2\text{m}\Omega$	
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	

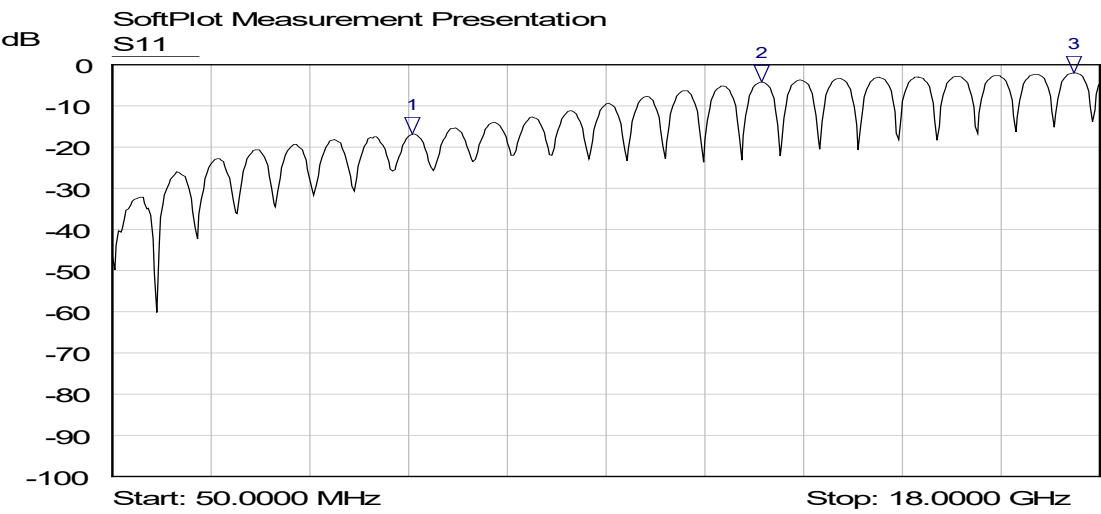
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8300LB-0178		DATE	2019/07/12	REV	—
A		B			
					
BODY + WASHER + HEX NUT		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
 TIN DIP		Step 1: STRIP AS SHOWN. Step 2: TIN DIP.			
 4 [.157] 2 [.079]		Step 3: STRIP AS SHOWN.			
 B Y		Step 4: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".			
 A X		Step 5: INSERT PREPARED CABLE INTO CONNECTOR BODY " A " AND SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8300LB-0178



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.5111 GHz	-16.77 dB	
2 ▽	S11	11.8519 GHz	-4.21 dB	
3 ▽	S11	17.5329 GHz	-1.94 dB	