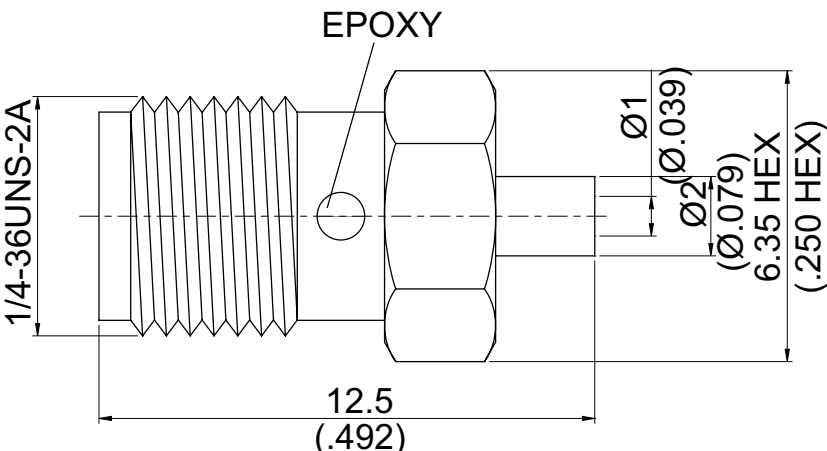


SMA8300-0034	SMA Jack Solder .034 semi-rigid; 18GHz VSWR 1.35		50Ω												
															
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Contact Pin</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Insulator</td><td>Teflon</td><td></td></tr><tr><td>Body</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr></table>				Parts	Material	Plating (Micro-inch)	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
Parts	Material	Plating (Micro-inch)													
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: 1.44 g Suitable Cables: Semi-rigid.034															

This part number complies with RoHS.

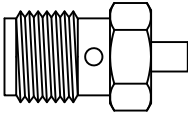
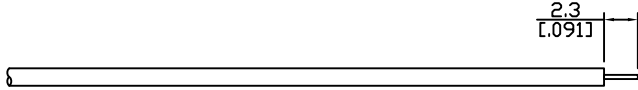
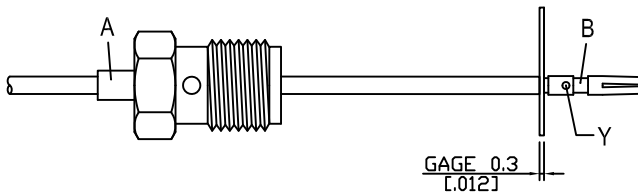
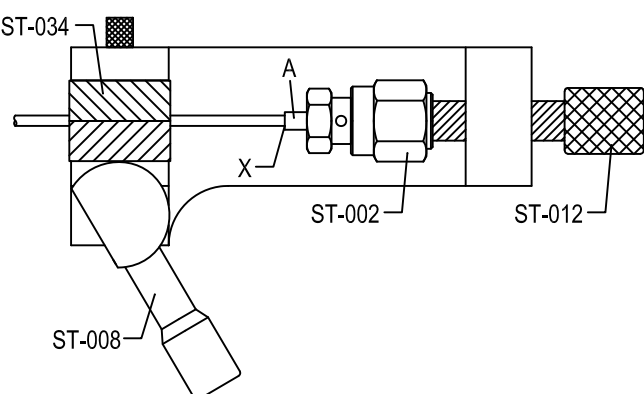
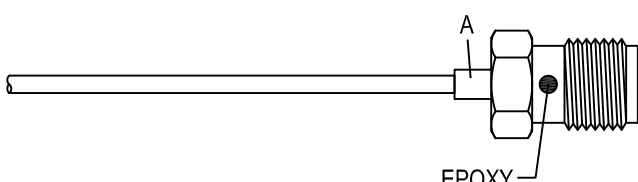
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA		SMA8300-0034	
Interface			
MIL-STD-348B			
Mechanically compatible with		2.92 & 3.5	
Electrical Data			
Impedance		50Ω	
Frequency range		DC to 18GHz	
VSWR		≤ 1.35 (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)		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-0.3	Soldering fixture	ST-008
Locator tool	ST-002, ST-012	Insert for .034inch semi-rigid cable	ST-034

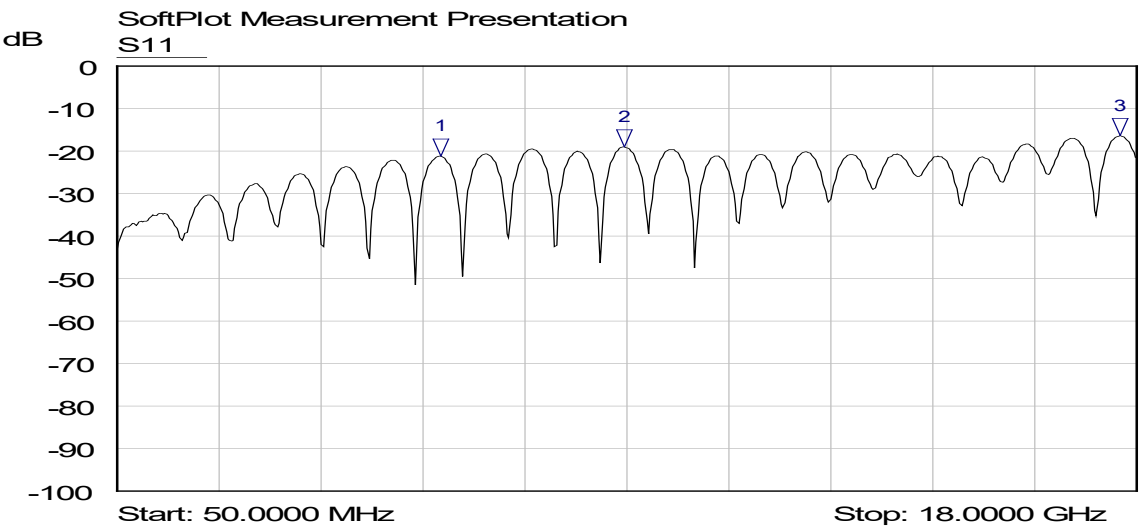
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA8300-0034		DATE	2020/02/25	REV	A
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE CONNECTOR " A " OVER CABLE. Step 3: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-034 " AND LOCATOR TOOL " ST-002 " 、 "ST-012 "TO FIX THE CONNECTOR. SOLDER IN " X ".			
		Step 5: POUR EPOXY INTO CONNECTOR.			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8300-0034



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.7458 GHz	-21.20 dB	
2 ▽	S11	8.9834 GHz	-19.02 dB	
3 ▽	S11	17.7069 GHz	-16.39 dB	