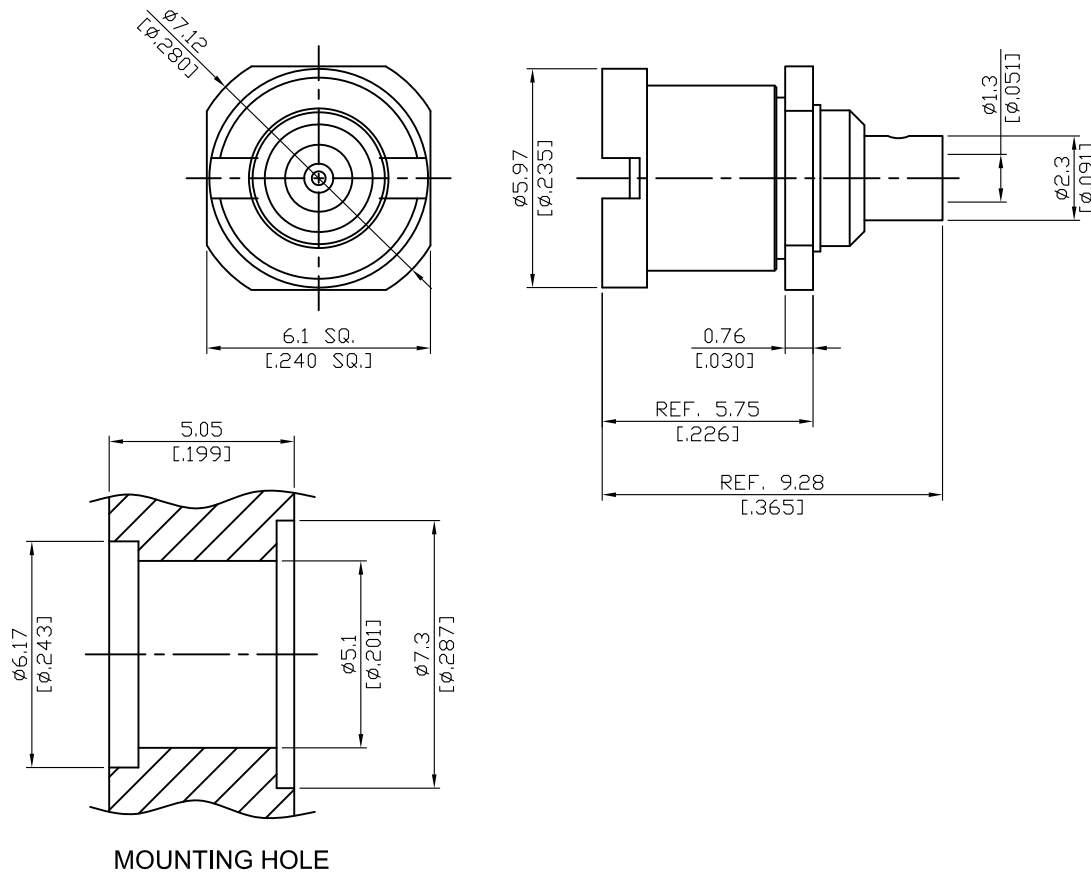


SMP3306FD-0047

SMP Plug Solder Full Detent Bulkhead
For .047 sem-rigid; 23GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Body	Stainless Steel	Passivated
Insulator	Teflon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Nut	Stainless Steel	Passivated

Suitable Cables: .047 semi-rigid cable; .047 conformable cable

This part number complies with RoHS.

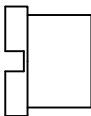
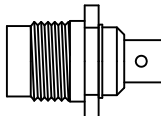
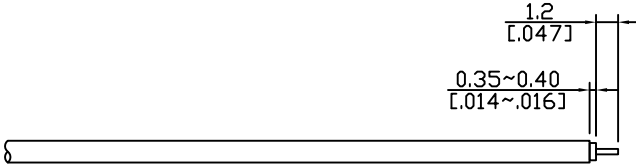
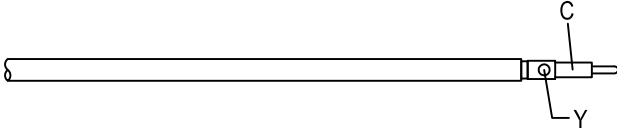
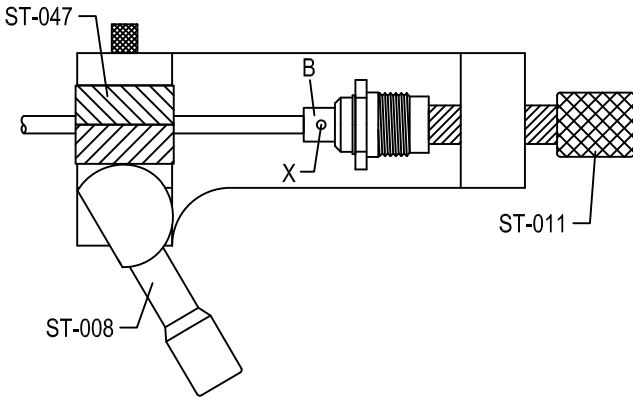
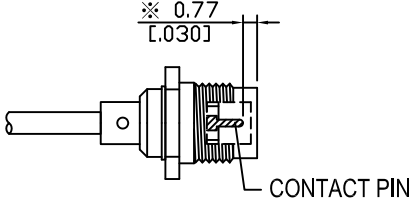
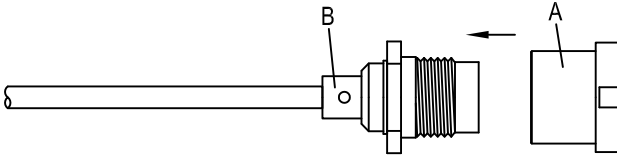
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMP		SMP3306FD-0047			
Interface					
MIL-STD-348B					
Electrical Data					
Impedance	50Ω				
Frequency range	DC to 23GHz				
VSWR	≤ 1.2 (DC to 23GHz)				
Insertion loss	≤ .06 x √f(GHz) dB				
Insulation resistance	≥ 5000 MΩ				
Contact resistance inner conductor	≤ 6mΩ				
Contact resistance outer conductor	≤ 2mΩ				
Dielectric withstanding voltage (at sea level)	500				
Working Voltage (at sea level)	335				
RF-Leakage	≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz)				
Mechanical Data		Full Detent	Limited Detent	Smooth bore & catchers mit	
Engagement force	≤ 15	≤ 10	≤ 2		lbs
Disengagement force	≥ 5	≥ 2	≥ 0.5		lbs
Durability (mating)	≥ 100	≥ 500	≥ 1000		
Axial misalignment	+ 0.00 / -0.25 (+.000 / -.010)				
Radial misalignment	±0.25 (0.010)				
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					
Locator tool	ST-011				
Soldering fixture	ST-008				
Insert for .047 semi-rigid cable	ST-047				

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMP3306FD-0047		DATE	2021/06/10	REV	—
A		B		C	
					
NUT		BODY		CONTACT PIN	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ".		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
					
			Step 4: SCREW NUT " A " ON THE CONNECTOR BODY " B ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMP3306FD-0047

