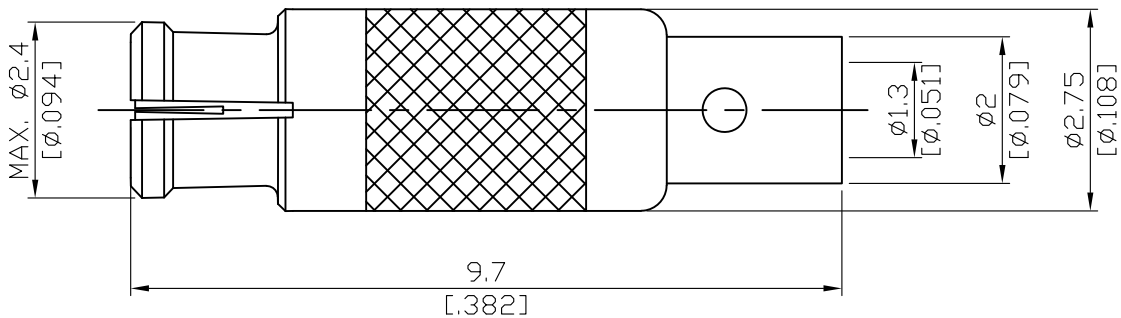


SMPM8300-0047-40

SMPM jack solder for .047 semi-rigid;
40GHz VSWR 1.35

50Ω



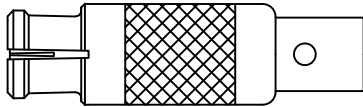
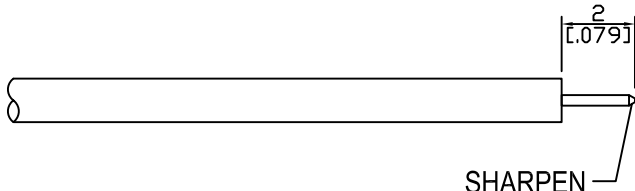
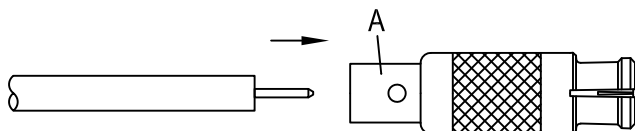
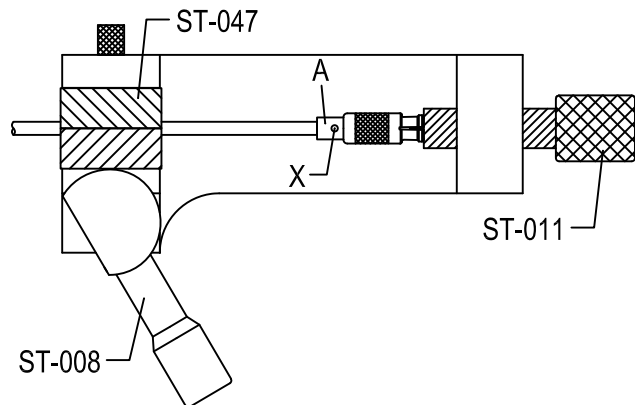
Parts	Material	Plating (Micro-inch)
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	PEI	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

SMPM		SMPM8300-0047-40		
Interface		MIL-STD-348B		
Electrical Data		Impedance 50Ω Frequency range DC to 40GHz VSWR $\leq 1.35(40\text{GHz})$ Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000 \text{ M}\Omega$ Contact resistance inner conductor $\leq 6\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 325		
Mechanical Data		Full Detent	Smooth bore	
Engagement force		3.5 typical	1.5 typical	lbs
Disengagement force		5.0 typical	1.5 typical	lbs
Durability (mating)		≥ 100	≥ 1000	
Contact pin captivation		$\geq 1.5\text{lbs}$		
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 fixture ST-008 Insert for .047 semi-rigid cable ST-047 Locator tool ST-011		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMPM8300-0047-40		DATE	2022/08/26	REV	—
A  BODY					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN. Step 2: SHARPEN CENTER CONDUCTOR TIP.		
			Step 3: SLIDE CABLE INTO CONNECTOR BODY "A".		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	