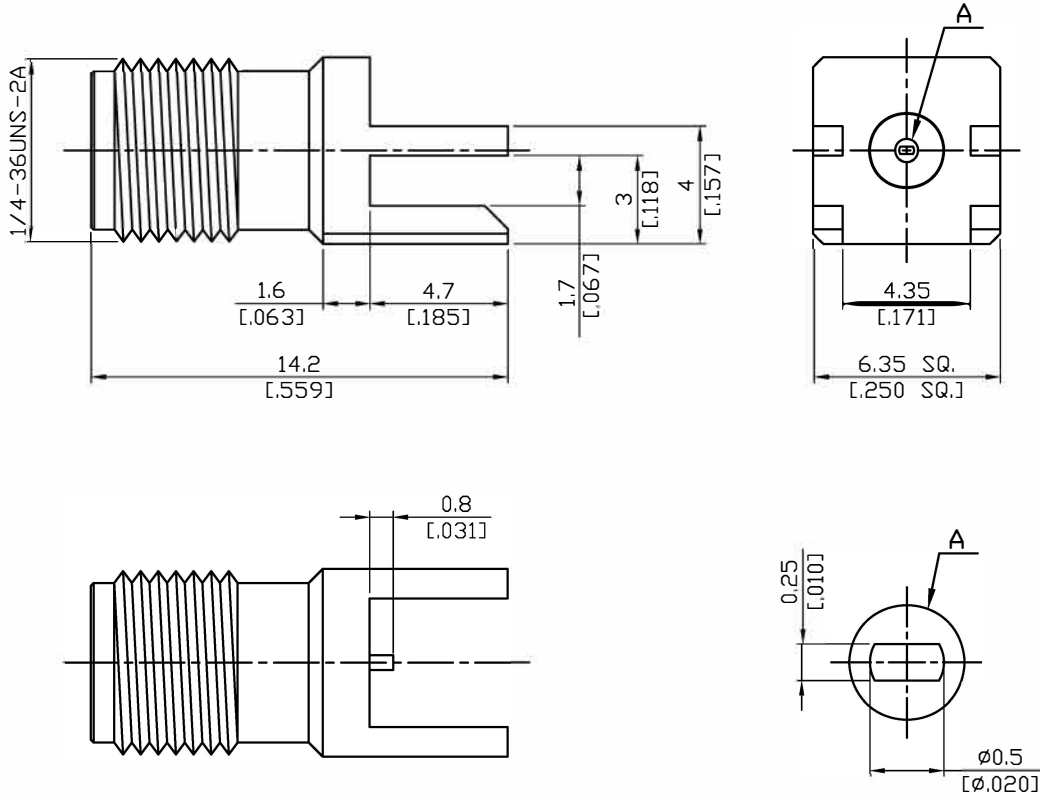


SMA84NDB-0000

SMA Jack PCB Mount End Launch (T=1.7) With Tab  
Contact (W=0.5;T=0.25;L=0.8); 18GHz VSWR 1.2

50Ω



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

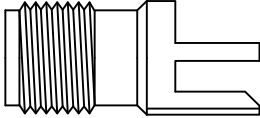
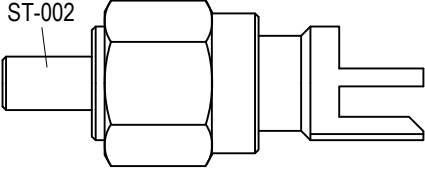
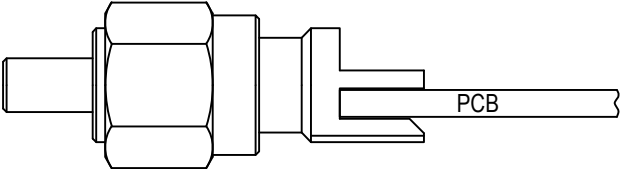
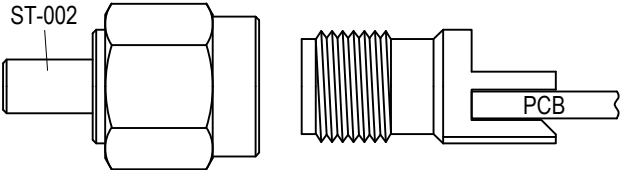
This part number complies with RoHS.

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

SMA	SMA84NDB-0000
<b>Interface</b>	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
<b>Electrical Data</b>	
Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≤ 1.2(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)	1500 V rms
Working voltage (at sea level)	500 V rms
<b>Mechanical Data</b>	
Recommended coupling nut torque	4 inch lbs
Coupling proof torque	5.3 inch lbs
Contact Captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 100
<b>Environmental Data</b>	
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
<b>Tooling</b>	

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

## SOLDERING SUGGESTION

SMA84NDB-0000	DATE	2020/04/22	REV	—
<p>A</p>  <p>CONNECTOR</p>				
DIAGRAM		ASSEMBLY INSTRUCTION		
		<p>Step 1: MATE WITH LOCATOR TOOL ST-002.</p>		
		<p>Step 2: SOLDER TO PCB.</p> <p>※ MAX. SOLDERING TEMPERATURE PER IEC 61760-1: +260°C FOR 10 SEC.</p>		
		<p>Step 3: UNMATE / REMOVE LOCATOR TOOL ST-002.</p>		
<p>This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>				
APPROVED	CHECKED	DRAWING	<i>Albert</i>	

# SMA84NDB-0000

S11

