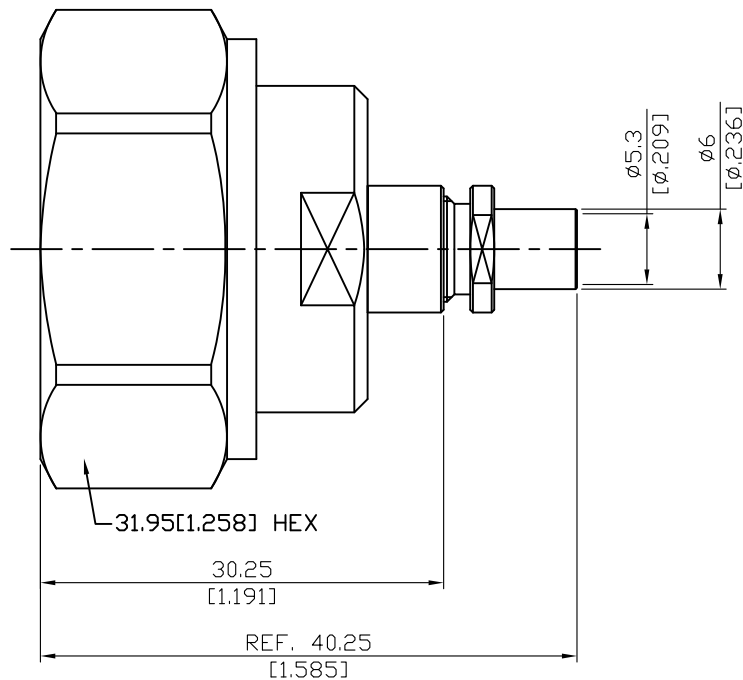


7/16-3200-0L142

7/16 plug solder clamp for 5005, LL142;
7.5GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Gasket	Silicone	
Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Silver 150 Over Copper 50
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Clamp Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

This part number complies with RoHS.

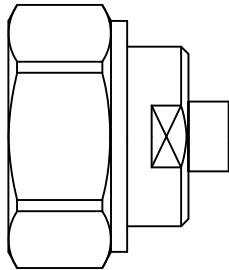
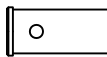
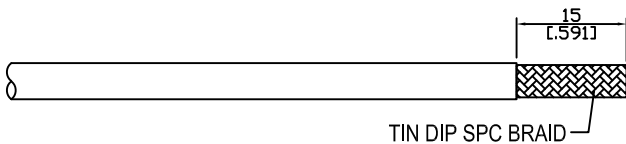
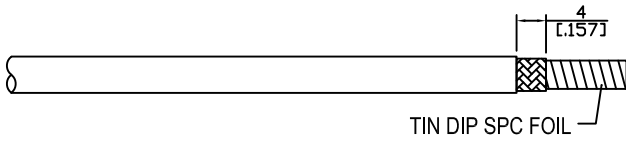
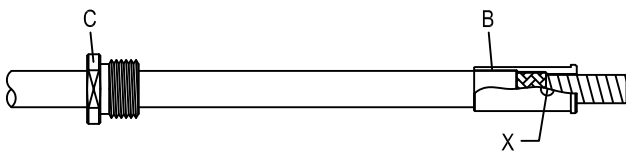
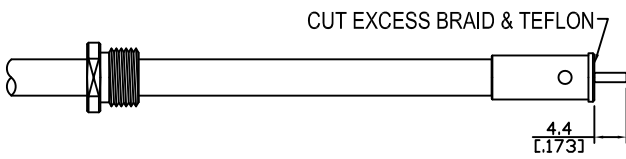
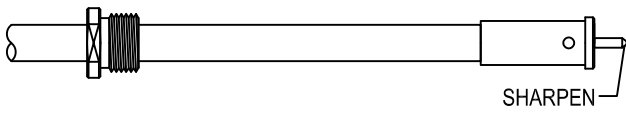
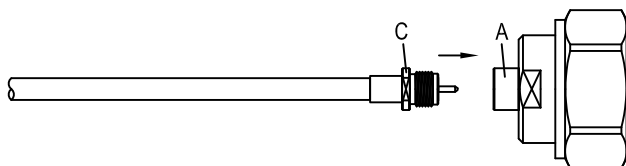
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

7/16	7/16-3200-0L142
Interface IEC 60169-4	
Electrical Data Impedance 50Ω Frequency range DC to 7.5GHz VSWR ≤ 1.2 (DC to 7.5GHz) Insertion loss $\leq 0.05\text{dB}$ Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 0.4\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 4000 V rms Working Voltage (at sea level) 2700 V rms RF leakage $\geq 128\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 260 inch lbs Coupling proof torque 310 inch lbs Coupling nut retention force ≥ 221 lbs Contact captivation-axial ≥ 45 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method107, Condition B Moisture resistance MIL-STD-202, Method106 Corrosion MIL-STD-202, Method101, Condition B RoHS Compliant	
Tooling	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

7/16-3200-0L142		DATE	2020/01/06	REV	—
A  BODY B  SOLDER FERRULE C  CLAMP NUT					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.		
			Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.		
			Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE. Step 4: SOLDER IN " X ".		
			Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.		
			Step 7: SHARPEN CENTER CONDUCTOR TIP.		
			Step 8: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	