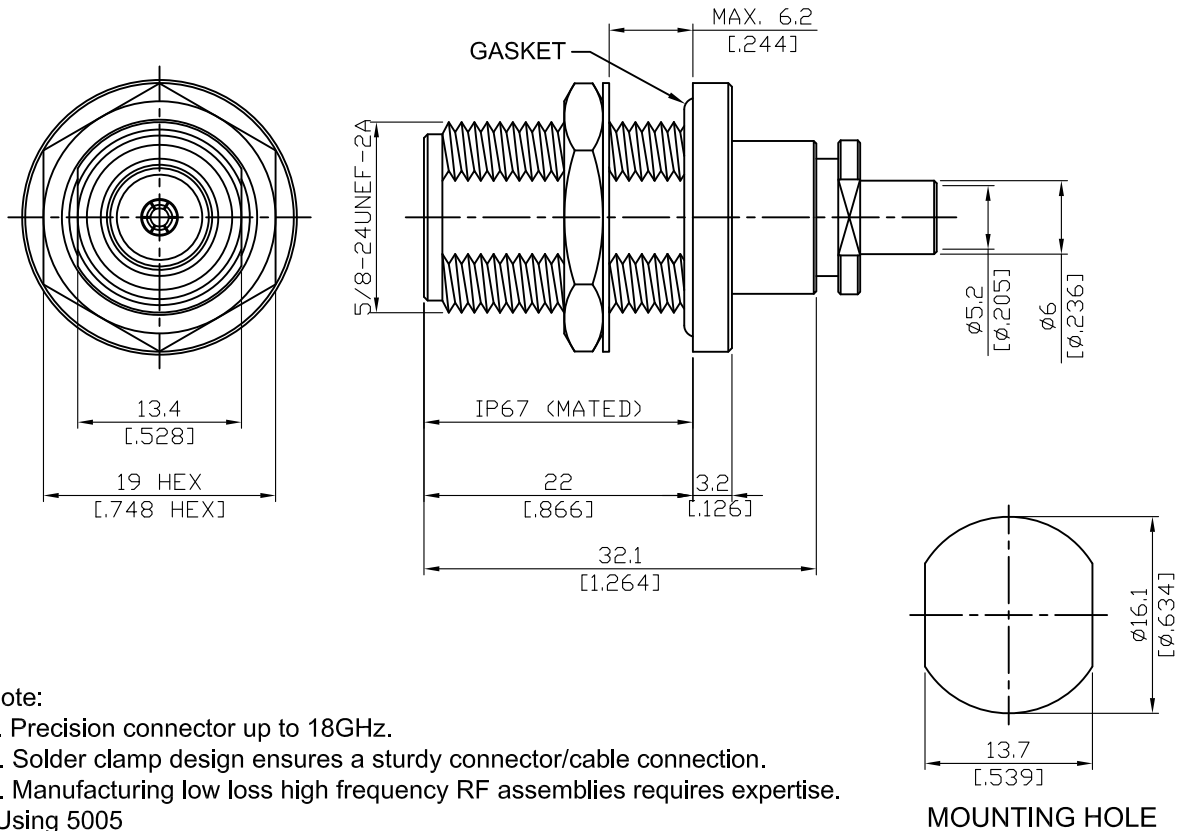


N8205S-L142

N Jack Bulkhead Solder Clamp, IP67 Mated,
For 5005, LL142; 18GHz VSWR 1.2*

50Ω



Parts	Material	Plating (Micro-inch)
Body	Stainless Steel	Passivated
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Clamp Nut	Stainless Steel	Passivated
Gasket	Silicone	
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: 5005, LL142

This part number complies with RoHS.

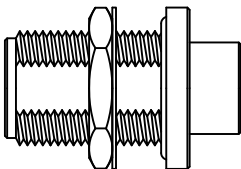
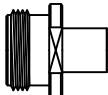
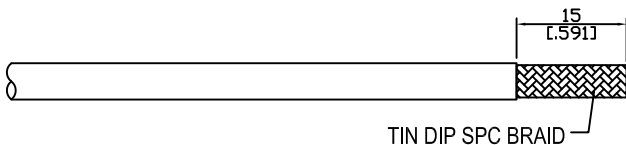
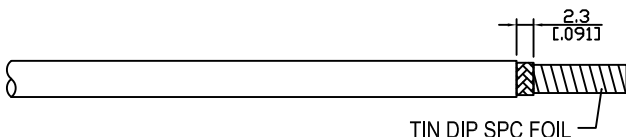
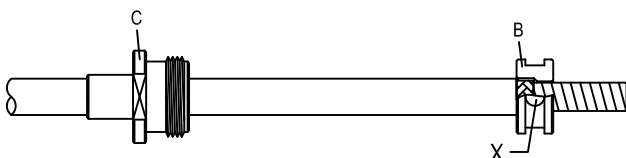
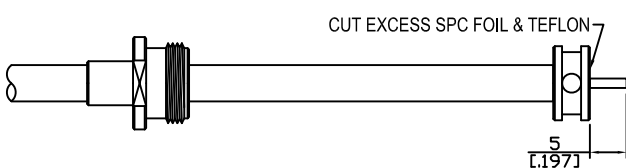
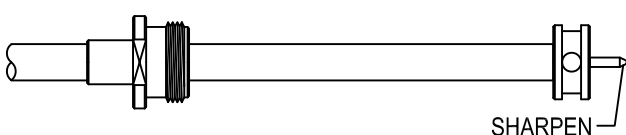
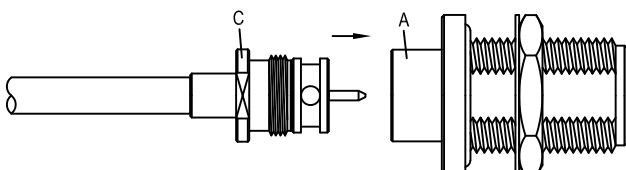
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

N	N8205S-L142																		
Interface MIL-STD-348B																			
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 18GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (DC to 18GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.05 x √f(GHz) dB</td></tr> <tr> <td>Insulation resistance</td><td>≥ 5000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤ 1.5mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤ 1mΩ</td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>2500 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>1000 V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 18GHz	VSWR	≤ 1.2 (DC to 18GHz)	Insertion loss	≤ 0.05 x √f(GHz) dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 1.5mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (at sea level)	2500 V rms	Working voltage (at sea level)	1000 V rms
Impedance	50Ω																		
Frequency range	DC to 18GHz																		
VSWR	≤ 1.2 (DC to 18GHz)																		
Insertion loss	≤ 0.05 x √f(GHz) dB																		
Insulation resistance	≥ 5000MΩ																		
Contact resistance inner conductor	≤ 1.5mΩ																		
Contact resistance outer conductor	≤ 1mΩ																		
Dielectric withstanding voltage (at sea level)	2500 V rms																		
Working voltage (at sea level)	1000 V rms																		
Mechanical Data <table> <tr> <td>Recommended coupling nut torque</td><td>6 to 10 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>15 inch lbs</td></tr> <tr> <td>Coupling nut retention force</td><td>≥ 101.2 lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.3 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Recommended coupling nut torque	6 to 10 inch lbs	Coupling proof torque	15 inch lbs	Coupling nut retention force	≥ 101.2 lbs	Contact captivation-axial	≥ 6.3 lbs	Durability (mating)	≥ 500								
Recommended coupling nut torque	6 to 10 inch lbs																		
Coupling proof torque	15 inch lbs																		
Coupling nut retention force	≥ 101.2 lbs																		
Contact captivation-axial	≥ 6.3 lbs																		
Durability (mating)	≥ 500																		
Environmental Data <table> <tr> <td>Temperature range</td><td>-65°C to +165°C</td></tr> <tr> <td>Thermal shock</td><td>MIL-STD-202, Method 107, Condition B</td></tr> <tr> <td>Moisture resistance</td><td>MIL-STD-202, Method 106</td></tr> <tr> <td>Corrosion</td><td>MIL-STD-202, Method 101, Condition B</td></tr> <tr> <td>RoHS</td><td>Compliant</td></tr> </table>		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								
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																			

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

N8205S-L142		DATE	2015/06/26	REV	—
A  BODY + GASKET + HEX UNT + LOCK WASHER B  SOLDER FERRULE C  CLAMP NUT					
DIAGRAM			ASSEMBLY INSTRUCTION		
 TIN DIP SPC BRAID			Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.		
 TIN DIP SPC FOIL			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 ".		
 CUT EXCESS SPC FOIL & TEFLON			Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.		
 SHARPEN			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	