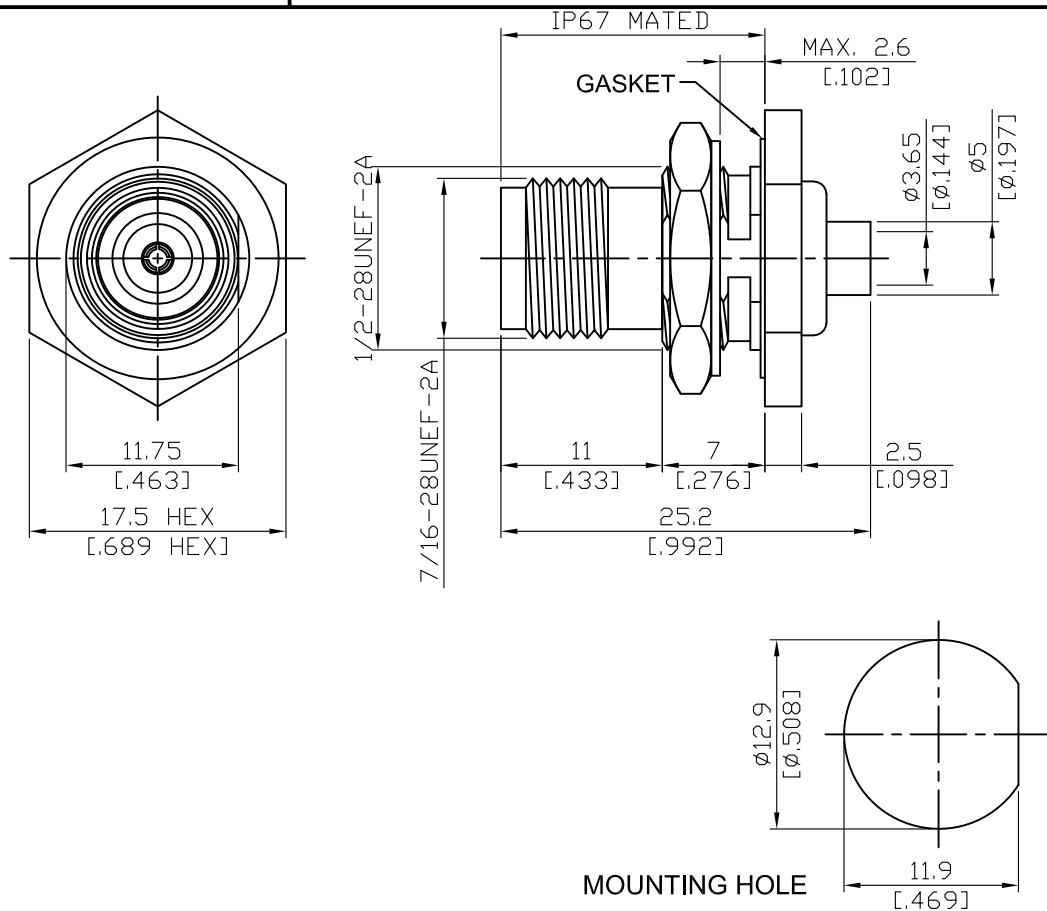


TNC8305LL-0141

TNC Jack Solder Bulkhead, IP67 Mated,
For low loss .141 semi rigid; 3.6GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Gasket	Silicone	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	P.Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: low loss .141 semi rigid

This part number complies with RoHS.

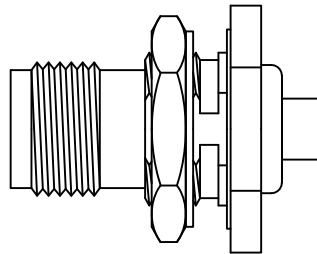
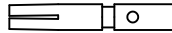

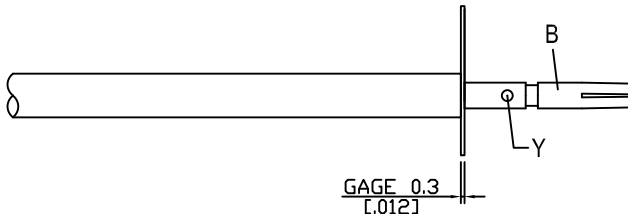
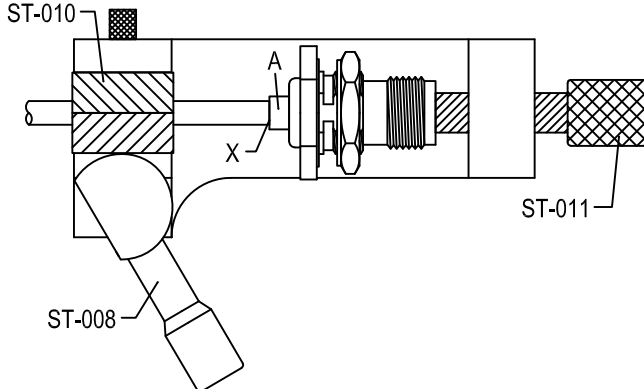
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

TNC	TNC8305LL-0141																		
<div>Interface</div> MIL-STD-348B																			
<div>Electrical Data</div> <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 3.6GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (DC to 3.6GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.1 x $\sqrt{f(\text{GHz})}$ 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>1500 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>500 V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 3.6GHz	VSWR	≤ 1.2 (DC to 3.6GHz)	Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 1.5mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (at sea level)	1500 V rms	Working voltage (at sea level)	500 V rms
Impedance	50Ω																		
Frequency range	DC to 3.6GHz																		
VSWR	≤ 1.2 (DC to 3.6GHz)																		
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB																		
Insulation resistance	≥ 5000MΩ																		
Contact resistance inner conductor	≤ 1.5mΩ																		
Contact resistance outer conductor	≤ 1mΩ																		
Dielectric withstanding voltage (at sea level)	1500 V rms																		
Working voltage (at sea level)	500 V rms																		
<div>Mechanical Data</div> <table> <tr> <td>Recommended coupling nut torque</td><td>4.1 to 6.1 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>15 inch lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.1 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Recommended coupling nut torque	4.1 to 6.1 inch lbs	Coupling proof torque	15 inch lbs	Contact captivation-axial	≥ 6.1 lbs	Durability (mating)	≥ 500										
Recommended coupling nut torque	4.1 to 6.1 inch lbs																		
Coupling proof torque	15 inch lbs																		
Contact captivation-axial	≥ 6.1 lbs																		
Durability (mating)	≥ 500																		
<div>Environmental Data</div> <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																		
<div>Tooling</div> <table> <tr> <td>Soldering gauge</td><td>ST-0.3</td></tr> <tr> <td>Locator tool</td><td>ST-011</td></tr> <tr> <td>Soldering fixture</td><td>ST-008</td></tr> <tr> <td>Insert for .141inch semi-rigid cable</td><td>ST-010</td></tr> </table>		Soldering gauge	ST-0.3	Locator tool	ST-011	Soldering fixture	ST-008	Insert for .141inch semi-rigid cable	ST-010										
Soldering gauge	ST-0.3																		
Locator tool	ST-011																		
Soldering fixture	ST-008																		
Insert for .141inch semi-rigid cable	ST-010																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

TNC8305LL-0141		DATE	2017/07/24	REV	—
<div>A</div> <div></div> <div>BODY + GASKET + WASHER + WASHER</div>		<div>B</div> <div></div> <div>CONTACT PIN</div>			
DIAGRAM		ASSEMBLY INSTRUCTION			
<div></div>		Step 1: STRIP AS SHOWN.			
<div></div>		Step 2: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
<div></div>		Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " 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	

TNC8305LL-0141

