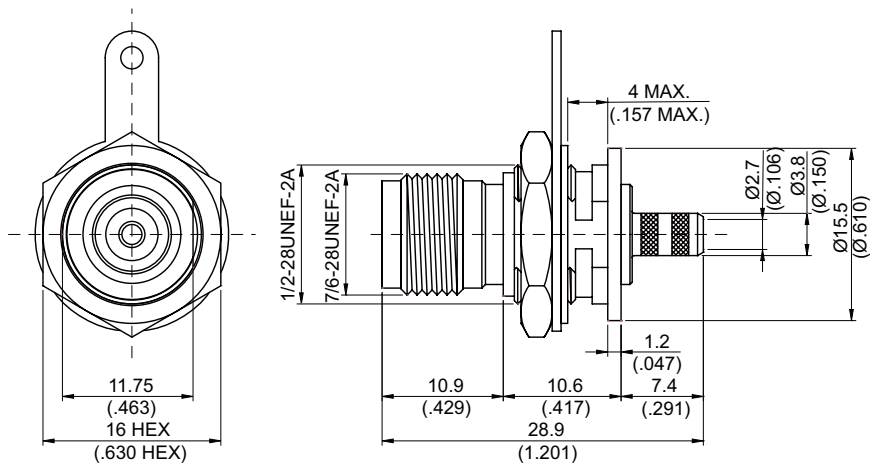
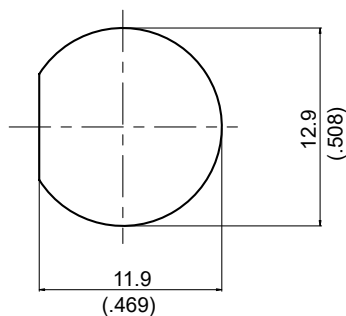


TNC8105TD-0316

TNC Isolated Jack Crimp Bulkhead
For RG316, RD316-FEP; 400MHz VSWR 1.2 **50Ω**



MOUNTING HOLE :



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Center Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Solder Tag	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 14.82 g

Suitable Cables: RD316, RD316-FEP

This part number complies with RoHS.

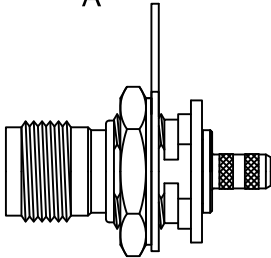
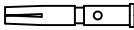
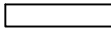
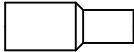
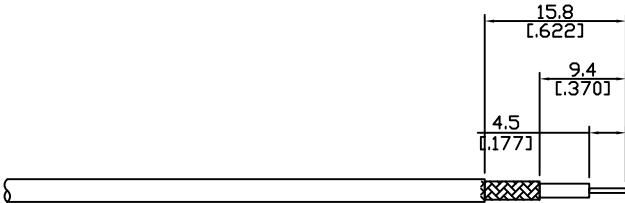
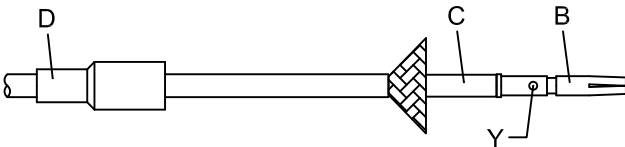
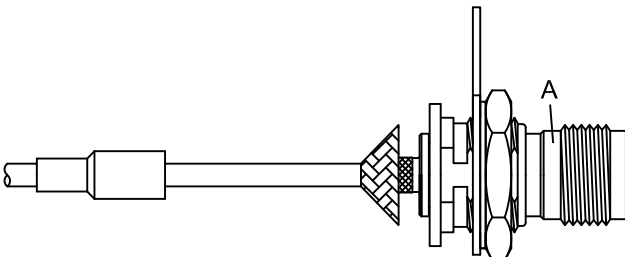
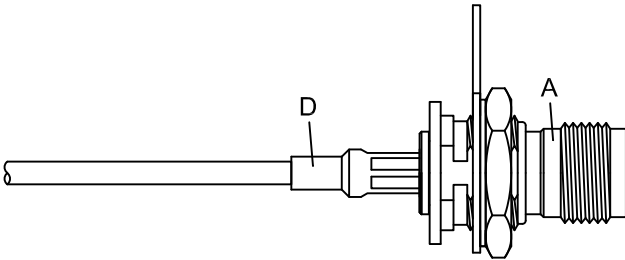
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

TNC	TNC8105TD-0316																		
Interface MIL-STD-348B																			
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 400MHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (DC to 400MHz)</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 400MHz	VSWR	≤ 1.2 (DC to 400MHz)	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 400MHz																		
VSWR	≤ 1.2 (DC to 400MHz)																		
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																		
Mechanical Data <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																		
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 <table> <tr> <td>Crimping tool</td><td>CRT-1 or CRT-2</td></tr> <tr> <td>Crimp insert</td><td>INSERT-B, INSERT-D</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-B, INSERT-D														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-B, INSERT-D																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

TNC8105TD-0316		DATE	2020/04/11	REV	—
A 		B 	C 	D 	
BODY + SOLDER TAG + WASHER + HEX NUT		CONTACT PIN	INSULATOR	FERRULE	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE FERRULE "D" OVER CABLE. Step 3: LOOSEN BRAIDING AND SLIDE INSULATOR "C" IN PLACE. Step 4: PUT PIN "B" ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN "Y". (USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-D IF CRIMPED)			
		Step 5: SLIDE CONNECTOR "A" IN PLACE.			
		Step 6: SLIDE FERRULE "D" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

TNC8105TD-0316

