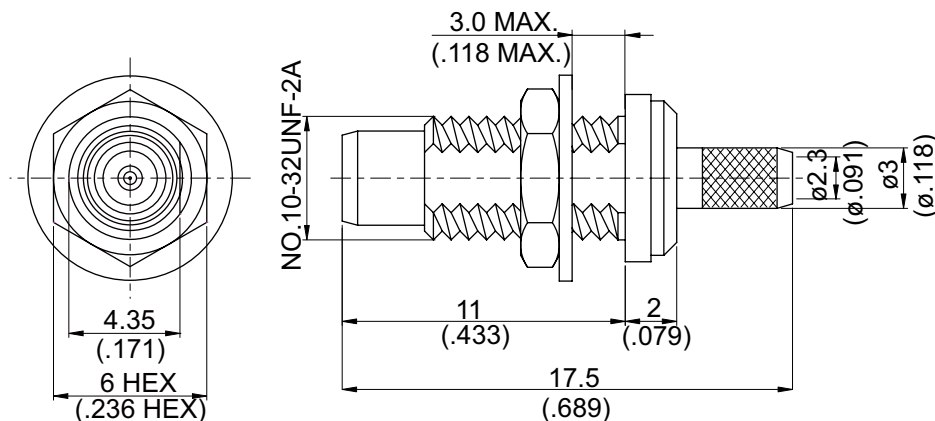
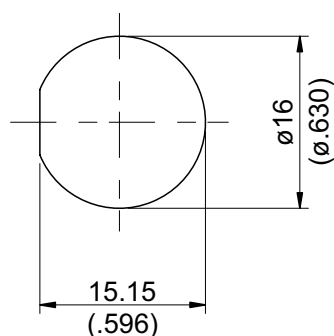


SMC8105-0178

SMC Jack Crimp Bulkhead
For RG178, RG178-FEP; 2GHz VSWR 1.2 **50Ω**



MOUNTING HOLE :



Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: RG178, RG196, RG178-FEP

This part number complies with RoHS.

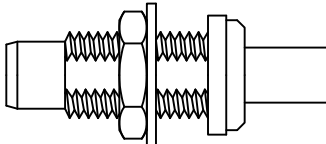
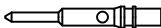
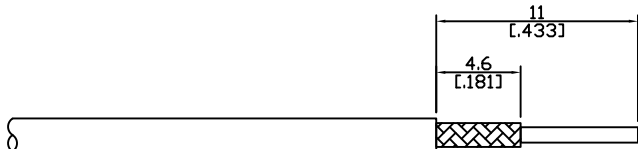
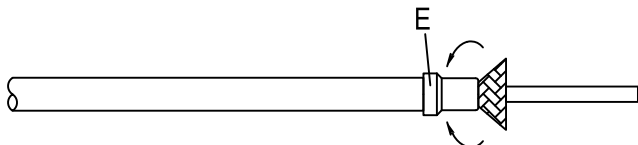
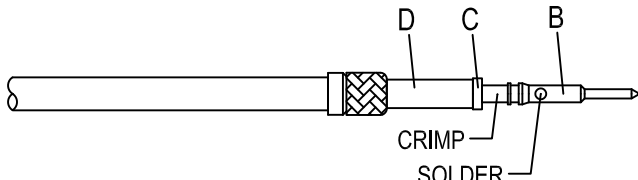
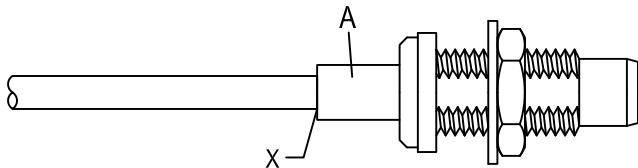
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMC	SMC8105-0178																				
Interface MIL-STD-348B																					
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 2GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (DC to 2GHz)</td></tr> <tr> <td>Insertion loss</td><td>$\leq 0.1 \times \sqrt{f(\text{GHz})}$dB</td></tr> <tr> <td>Insulation resistance</td><td>$\geq 10000\text{M}\Omega$</td></tr> <tr> <td>Contact resistance inner conductor</td><td>$\leq 5\text{m}\Omega$</td></tr> <tr> <td>Contact resistance outer conductor</td><td>$\leq 2.5\text{m}\Omega$</td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>750 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>250 V rms</td></tr> <tr> <td>RF leakage</td><td>$\geq 90\text{dB}$ to 1GHz</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 2GHz	VSWR	≤ 1.2 (DC to 2GHz)	Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB	Insulation resistance	$\geq 10000\text{M}\Omega$	Contact resistance inner conductor	$\leq 5\text{m}\Omega$	Contact resistance outer conductor	$\leq 2.5\text{m}\Omega$	Dielectric withstanding voltage (at sea level)	750 V rms	Working voltage (at sea level)	250 V rms	RF leakage	$\geq 90\text{dB}$ to 1GHz
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMC8105-0178		DATE	2017/03/27	REV	—
A	B	C	D	E	
					
BODY + WASHER + HEX NUT	CONTACT PIN	INSULATOR	INSULATOR	FERRULE	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: WRAP THE BRAIDING OVER " E ".			
		Step 4: STRIP AS SHOWN.			
		Step 5: SLIDE PREPARED CABLE INTO INSULATOR " D " AND INSULATOR " C ". Step 6: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP. (USE SQUARE 0.70mm/0.028inch SECTION OF INSERT-A IF CRIMPED)			
		Step 7: PUT PREPARED CABLE INTO CONNECTOR BODY " A " AND CRIMP IN " X ". (USE 2.55mm/0.100inch HEX SECTION OF INSERT-A)			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMC8105-0178

S11

