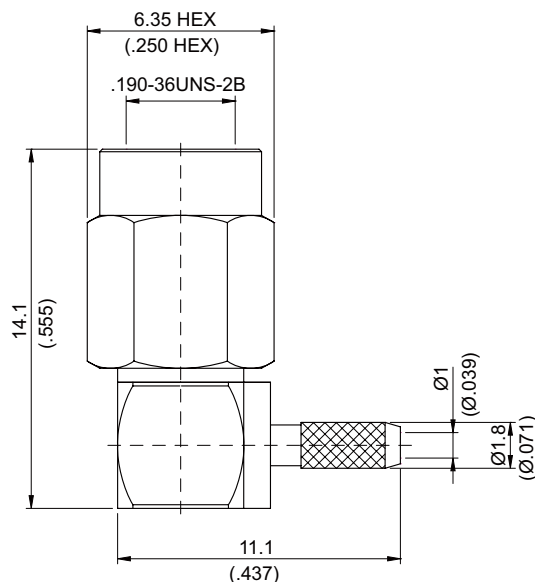


SSMA3100-9178

SSMA Plug Crimp Right Angle
For RG178,RG178-FEP; 2GHz VSWR1.2

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicon	
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: RG178,RG178-FEP,RG196

This part number complies with RoHS.

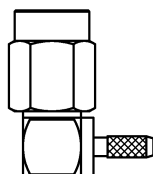
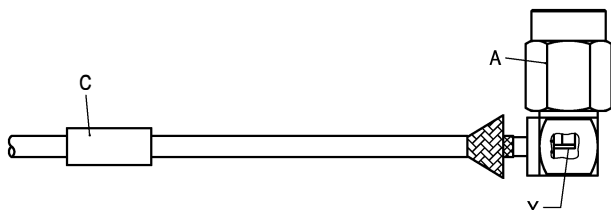
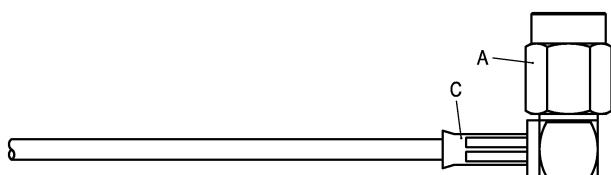
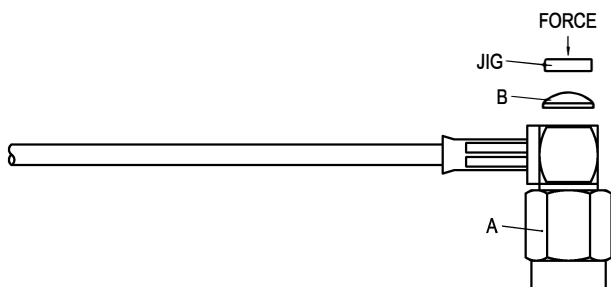
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SSMA	SSMA3100-9178																		
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>≤ 0.06 x √f(GHz) dB</td></tr> <tr> <td>Insulation resistance</td><td>≥ 5000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤ 4mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤ 2.5mΩ</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> </table>		Impedance	50Ω	Frequency range	DC to 2GHz	VSWR	≤ 1.2 (DC to 2GHz)	Insertion loss	≤ 0.06 x √f(GHz) dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 4mΩ	Contact resistance outer conductor	≤ 2.5mΩ	Dielectric withstanding voltage (at sea level)	750 V rms	Working Voltage (at sea level)	250 V rms
Impedance	50Ω																		
Frequency range	DC to 2GHz																		
VSWR	≤ 1.2 (DC to 2GHz)																		
Insertion loss	≤ 0.06 x √f(GHz) dB																		
Insulation resistance	≥ 5000MΩ																		
Contact resistance inner conductor	≤ 4mΩ																		
Contact resistance outer conductor	≤ 2.5mΩ																		
Dielectric withstanding voltage (at sea level)	750 V rms																		
Working Voltage (at sea level)	250 V rms																		
Mechanical Data <table> <tr> <td>Recommended coupling nut torque</td><td>4 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>5 inch lbs</td></tr> <tr> <td>Coupling nut retention force</td><td>≥ 60 lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 5 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Recommended coupling nut torque	4 inch lbs	Coupling proof torque	5 inch lbs	Coupling nut retention force	≥ 60 lbs	Contact captivation-axial	≥ 5 lbs	Durability (mating)	≥ 500								
Recommended coupling nut torque	4 inch lbs																		
Coupling proof torque	5 inch lbs																		
Coupling nut retention force	≥ 60 lbs																		
Contact captivation-axial	≥ 5 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 A</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 A	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 A																		
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-A</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-A														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-A																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SSMA3100-9178		DATE	2017/03/27	REV	—
A  BODY B  COVER C  FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 2.7mm/0.106inch HEX SECTION OF INSERT-A)		
			Step 6: PRESS ON THE TOP OF " B " WITH JIGS.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SSMA3100-9178

