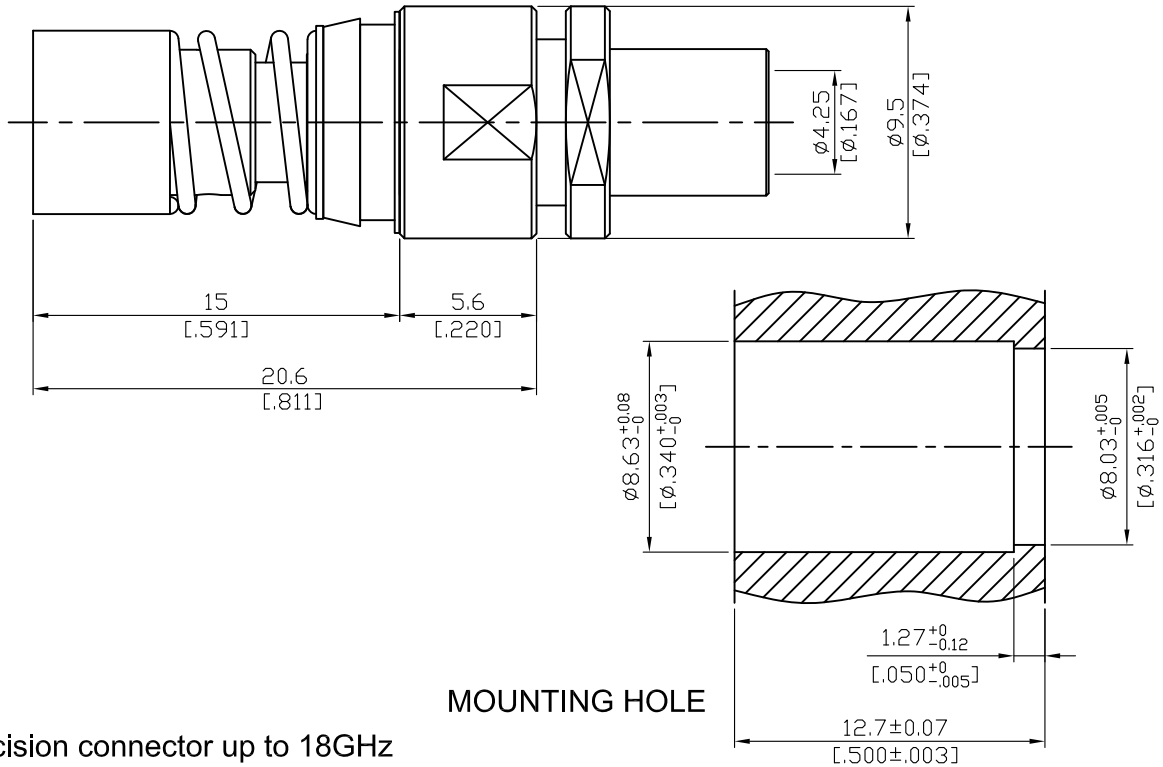


BMA8200QS-S402

BMA Jack Solder Clamp For RG402 Flexible;  
18GHz VSWR 1.2\*

50Ω



**Note:**

1. Precision connector up to 18GHz
2. Solder clamp design ensures a sturdy connector/cable connection
3. Manufacturing low loss high frequency RF assemblies requires expertise
4. Connector Fixed into Mounting Panel With snap-in Mechanism.

\*Using 5003

Parts	Material	Plating ( Micro-inch )
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Nut	Stainless Steel	Passivated
Solder Clamp Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Stainless Steel	Passivated
Spring	Stainless Steel	Passivated
Insulator	Teflon	
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Spring Washer	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Spring Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Stainless Steel	Passivated

Suitable Cables: SS402; 5003; T-Flex402; Multibend 402; Multiflex 141;  
.141SRF-W-P-50-F

This part number complies with RoHS.



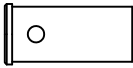

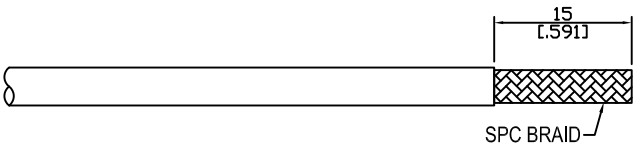
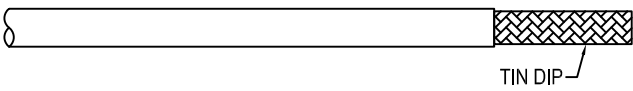
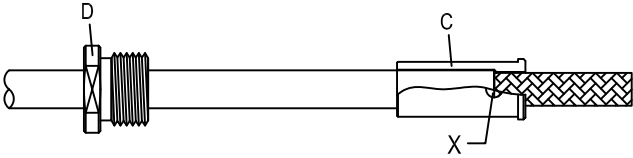
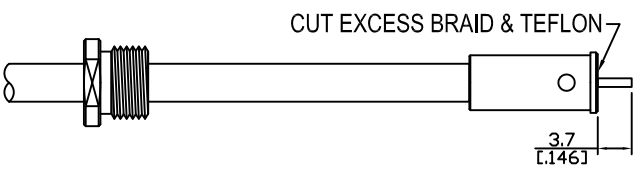
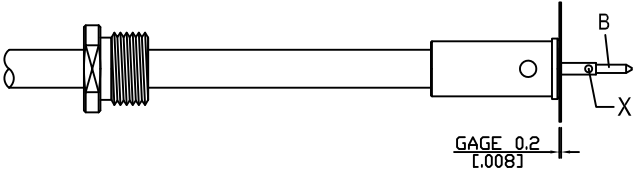
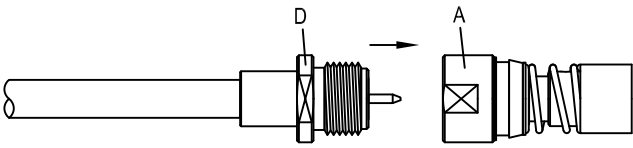
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BMA	BMA8200QS-S402																		
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B																			
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Impedance</td> <td style="text-align: right;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td style="text-align: right;">DC to 18GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: right;">≤ 1.2 (DC to 18GHz)</td> </tr> <tr> <td>Insertion loss</td> <td style="text-align: right;">≤ 0.03 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td style="text-align: right;">≥ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td style="text-align: right;">≤ 2mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td style="text-align: right;">≤ 2mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td style="text-align: right;">1500 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td style="text-align: right;">1000 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 18GHz	VSWR	≤ 1.2 (DC to 18GHz)	Insertion loss	≤ 0.03 x √f(GHz) dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 2mΩ	Contact resistance outer conductor	≤ 2mΩ	Dielectric withstanding voltage (at sea level)	1500 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	≤ 0.03 x √f(GHz) dB																		
Insulation resistance	≥ 5000MΩ																		
Contact resistance inner conductor	≤ 2mΩ																		
Contact resistance outer conductor	≤ 2mΩ																		
Dielectric withstanding voltage (at sea level)	1500 V rms																		
Working voltage (at sea level)	1000 V rms																		
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Engagement force</td> <td style="text-align: right;">≤ 3 lbs</td> </tr> <tr> <td>Disengagement force</td> <td style="text-align: right;">≤ 1.5 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td style="text-align: right;">≤ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: right;">≥ 1000</td> </tr> </table>		Engagement force	≤ 3 lbs	Disengagement force	≤ 1.5 lbs	Contact captivation-axial	≤ 6.1 lbs	Durability (mating)	≥ 1000										
Engagement force	≤ 3 lbs																		
Disengagement force	≤ 1.5 lbs																		
Contact captivation-axial	≤ 6.1 lbs																		
Durability (mating)	≥ 1000																		
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Temperature range</td> <td style="text-align: right;">-40°C to+165°C</td> </tr> <tr> <td>Thermal shock</td> <td style="text-align: right;">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td style="text-align: right;">MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td style="text-align: right;">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td style="text-align: right;">Compliant</td> </tr> </table>		Temperature range	-40°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	-40°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 style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Soldering gauge</td> <td style="text-align: right;">ST-0.2</td> </tr> </table>		Soldering gauge	ST-0.2																
Soldering gauge	ST-0.2																		

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

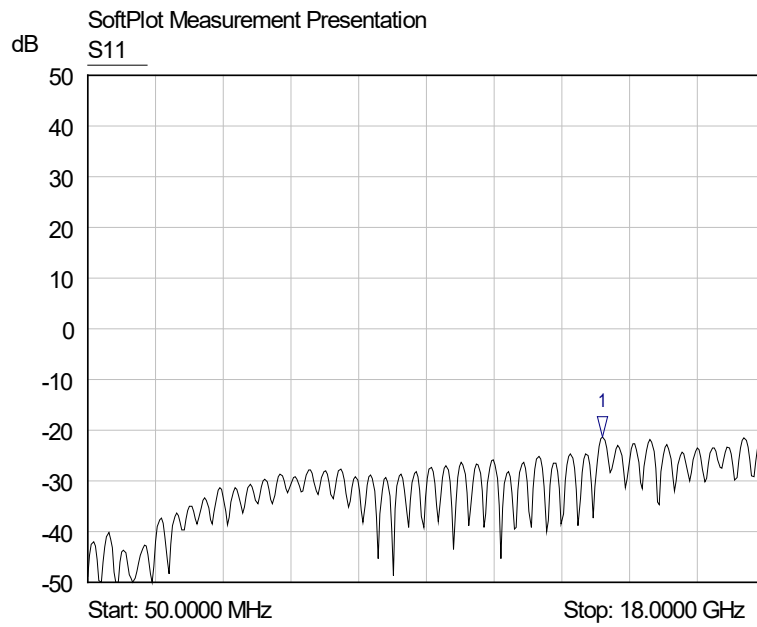
# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

BMA8200QS-S402	DATE	2020/05/20	REV	—
A	B	C	D	
				
BODY	CONTACT PIN	SOLDER FERRULE	CLAMP NUT	
DIAGRAM	ASSEMBLY INSTRUCTION			
	Step 1: STRIP AS SHOWN.			
	Step 2: TIN DIP SPC BRAID.			
	Step 3: SLIDE NUT " D " AND SOLDER FERRULE " C " OVER THE CABLE. Step 4: SOLDER IN " X ".			
	Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.			
	Step 7: PUT 0.2 MM GAGE ST-0.2 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
	Step 8: FINALLY SCREW NUT " D " ON THE CONNECTOR BODY " A ".			
<p>This part number complies with RoHS.</p> <p>Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>				
APPROVED	CHECKED	DRAWING		
		<i>Albert</i>		

# BMA8200QS-S402

S11



1 S11  
▽ 13.7000 GHz  
-21.39 dB