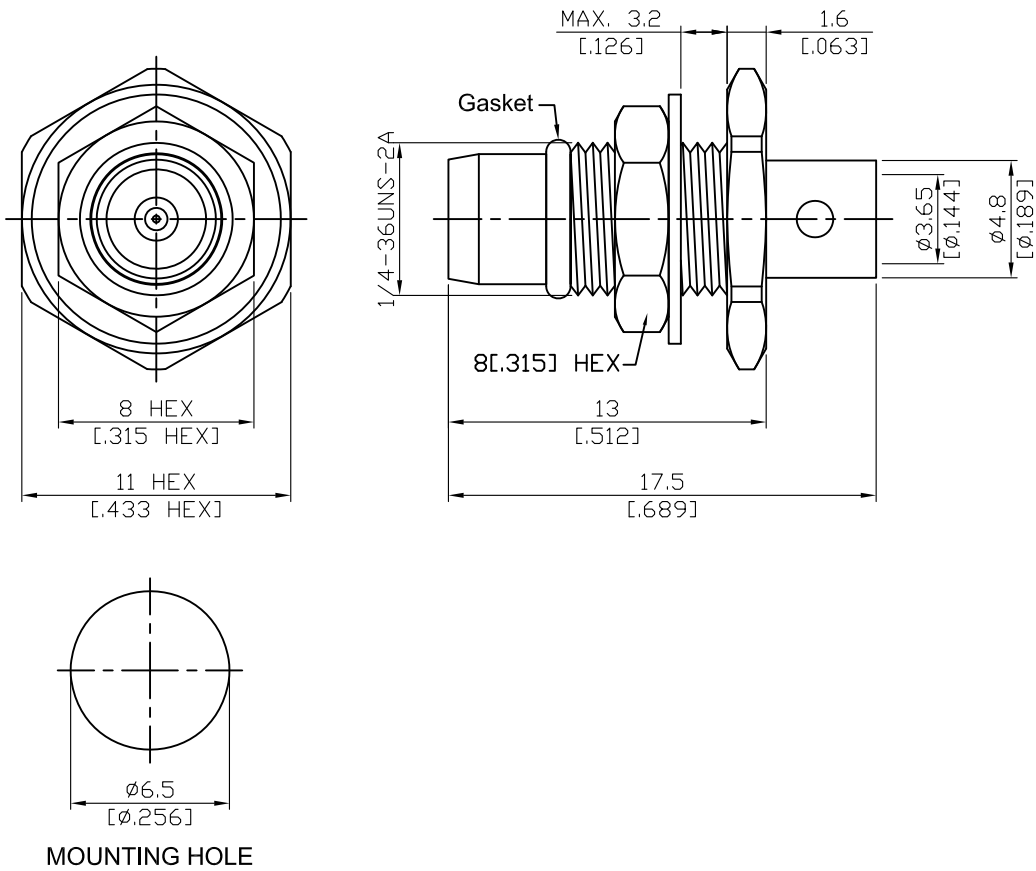


BMA3305-0141	BMA Plug Solder Bulkhead For RG402; 18GHz VSWR 1.2	50Ω
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Parts	Material	Plating (Micro-inch)
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Gasket	Silicone	
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: .141 Semi-Rigid

This part number complies with RoHS.
 Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BMA	BMA3305-0141																		
<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 border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 18GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 18GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≤ 0.03 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≤ 2mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≤ 2mΩ</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>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
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<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Engagement force</td> <td>≤ 3 lbs</td> </tr> <tr> <td>Disengagement force</td> <td>≤ 1.5 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≤ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 1000</td> </tr> </table>		Engagement force	≤ 3 lbs	Disengagement force	≤ 1.5 lbs	Contact captivation-axial	≤ 6.1 lbs	Durability (mating)	≥ 1000										
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<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">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								
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RoHS	Compliant																		
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Locator tool</td> <td>ST-011</td> </tr> <tr> <td>Soldering fixture</td> <td>ST-008</td> </tr> <tr> <td>Insert for .141semi-rigid cable</td> <td>ST-010</td> </tr> </table>		Locator tool	ST-011	Soldering fixture	ST-008	Insert for .141semi-rigid cable	ST-010												
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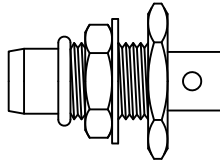
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

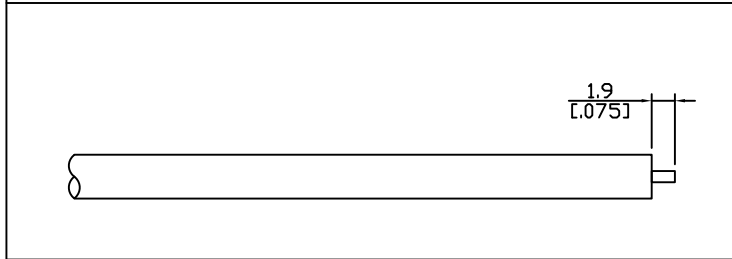
BMA3305-0141	DATE	2019/11/07	REV	-
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A

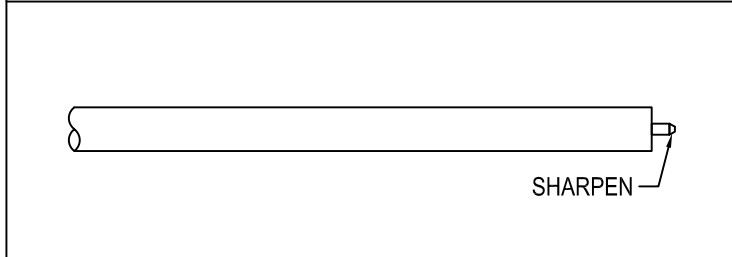


BODY + GASKET +
WASHER + HEX NUT

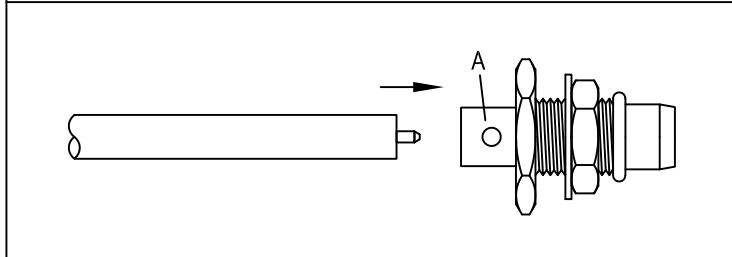
DIAGRAM	ASSEMBLY INSTRUCTION
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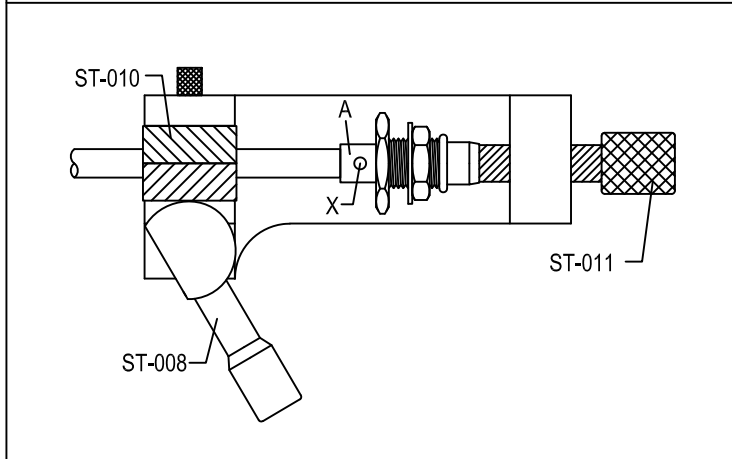
Step 1: STRIP AS SHOWN.



Step 2: SHARPEN CENTER CONDUCTOR TIP.



Step 3: SLIDE CABLE INTO CONNECTOR BODY "A".



Step 4: 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.

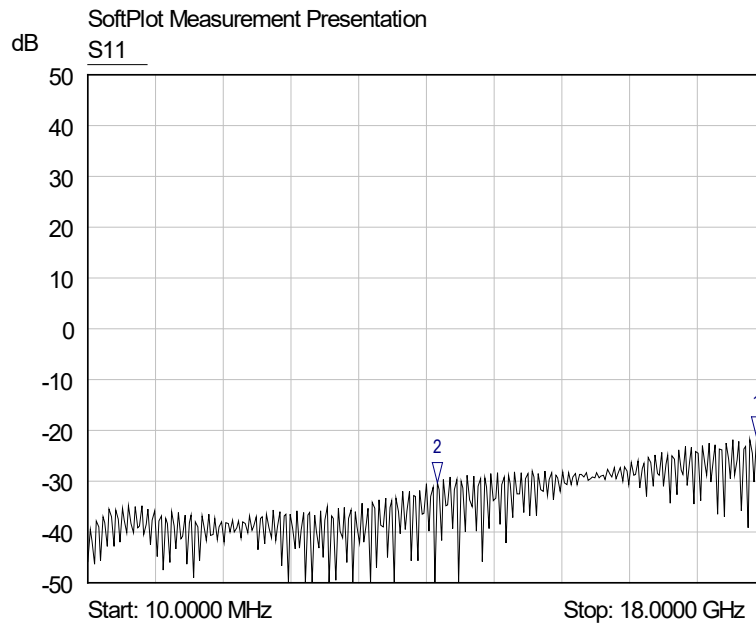
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APPROVED	CHECKED	DRAWING
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Albert

BMA3305-0141

S11



- 1 S11
▽ 17.7708 GHz
-21.33 dB
- 2 S11
▽ 9.2915 GHz
-30.30 dB