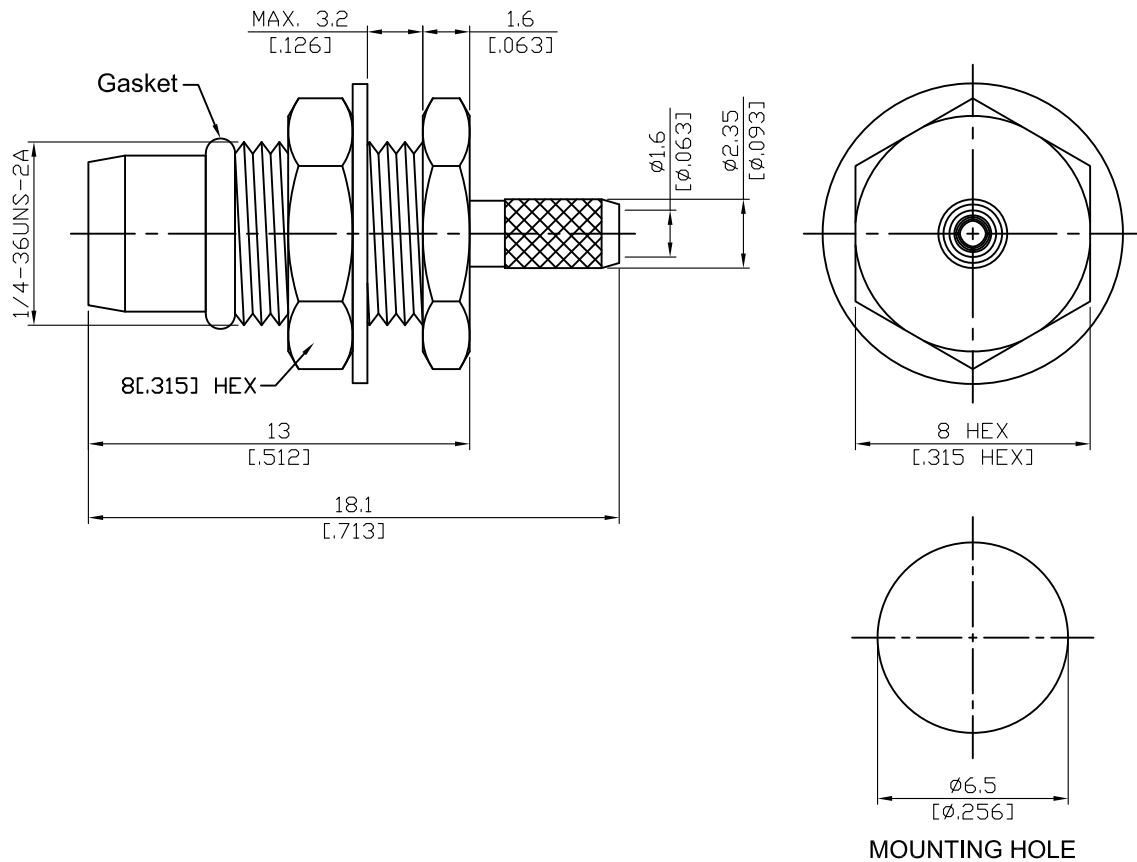


**BMA3105S-0316**

**BMA Plug Crimp Bulkhead**  
For RG174, RG188, RG316; 6GHz VSWR 1.25 **50Ω**



Parts	Material	Plating ( Micro-inch )
Body	Stainless Steel	Passivated
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Lock Washer	Stainless Steel	Passivated
Hex Nut	Stainless Steel	Passivated
Gasket	Silicone	
Small Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables:RG174, RG188, RG316, RG316-FEP

This part number complies with RoHS.

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

BMA	BMA3105S-0316																		
<div data-bbox="167 344 568 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p>																			
<div data-bbox="167 510 568 557" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 6GHz</td> </tr> <tr> <td>VSWR</td> <td>≦ 1.25 (DC to 6GHz)</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>1000 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>670 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 6GHz	VSWR	≦ 1.25 (DC to 6GHz)	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)	1000 V rms	Working voltage (at sea level)	670 V rms
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<div data-bbox="167 1361 568 1408" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Temperature range</td> <td style="width: 50%;">-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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<div data-bbox="167 1715 568 1762" style="border: 1px solid black; padding: 2px;">Tooling</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Crimping tool</td> <td style="width: 50%;">CRT-1 or CRT-2</td> </tr> <tr> <td>Crimp Insert</td> <td>INSERT-A &amp; INSERT-B</td> </tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp Insert	INSERT-A & INSERT-B														
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Notice: JYEBAO reserves the right to make modifications deemed appropriate.

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

BMA3105S-0316	DATE	2019/11/08	REV	—
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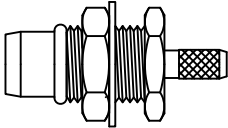


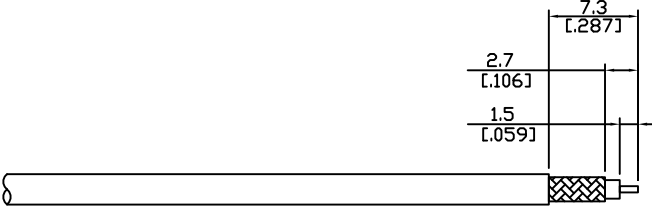
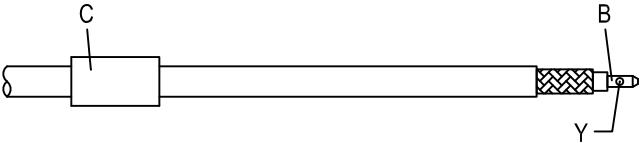
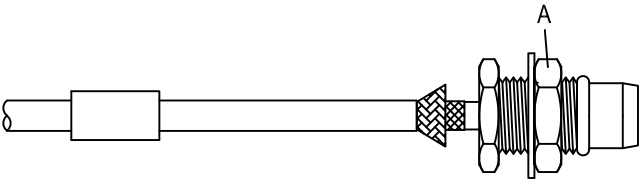
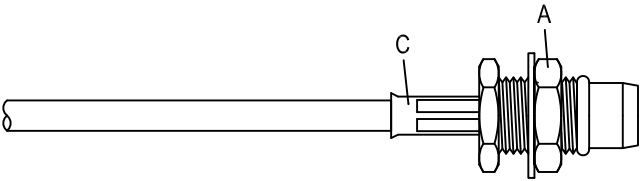
<p>A</p>  <p>BODY + GASKET + LOCK WASHER + HEX NUT</p>	<p>B</p>  <p>SOLDER PIN</p>	<p>C</p>  <p>FERRULE</p>
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DIAGRAM	ASSEMBLY INSTRUCTION
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	<p>Step 1: STRIP AS SHOWN.</p>
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	<p>Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)</p>
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	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.</p>
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	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-B)</p>
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This part number complies with RoHS.

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APPROVED	CHECKED	DRAWING
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*Albert*

# BMA3105S-0316

