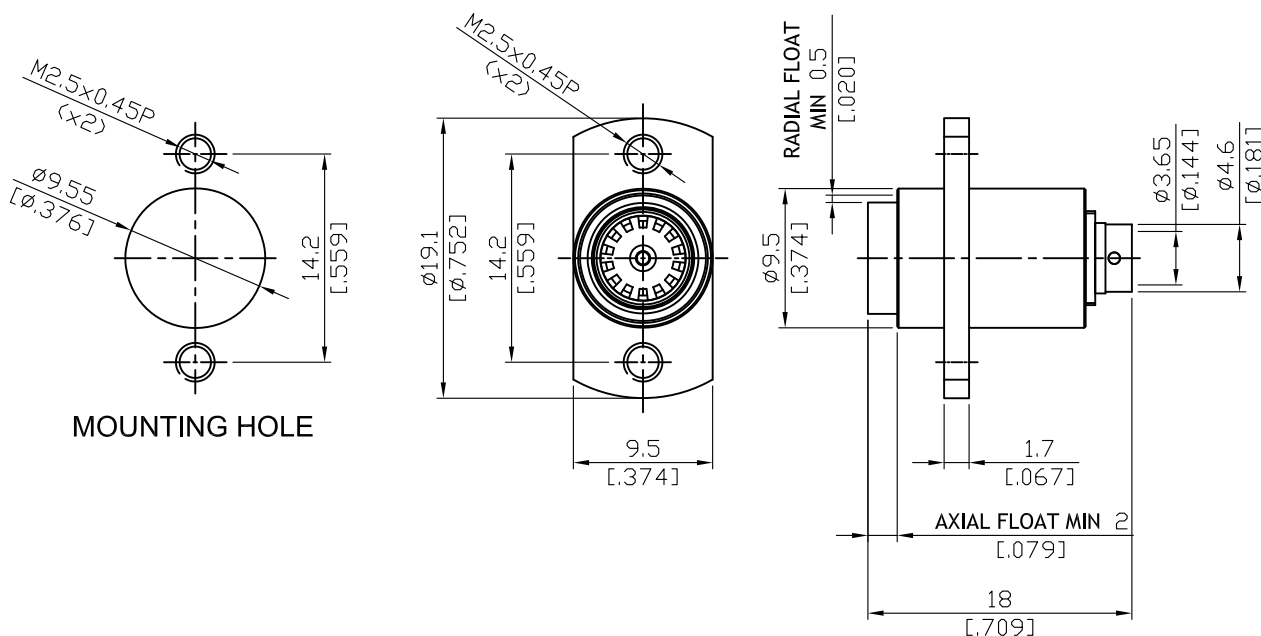


BMA8326S-0141/M2.5

BMA Jack Solder 2 Hole (Threaded M2\*0.45P) Flange  
For RG402; 18GHz VSWR 1.2

50Ω



| Parts         | Material         | Plating ( Micro-inch )                                |
|---------------|------------------|-------------------------------------------------------|
| Washer        | Stainless Steel  |                                                       |
| Spring        | Stainless Steel  |                                                       |
| Insulator     | Teflon           |                                                       |
| Contact Pin   | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Ferrule       | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Body  | Stainless Steel  | Gold 5 Over Nickel-Phosphorus Alloy 50 Over Copper 50 |
| Spring Washer | Beryllium Copper | Nickel 200 Over Copper 50                             |
| Spring Ring   | Beryllium Copper | Nickel 200 Over Copper 50                             |
| Body          | Stainless Steel  | Passivated                                            |

Suitable Cables: semi-rigid.141

This part number complies with RoHS.

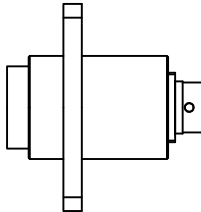
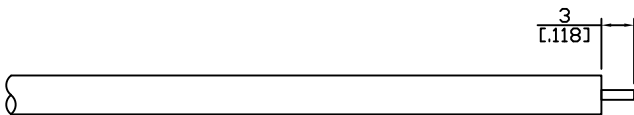
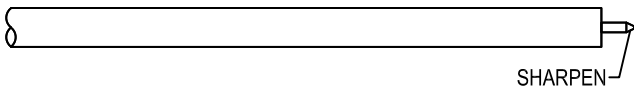
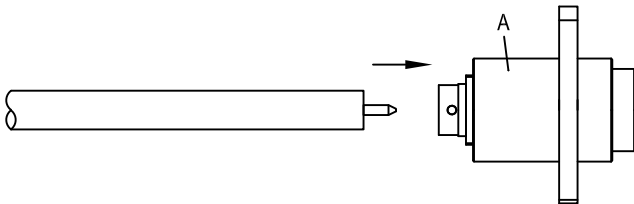
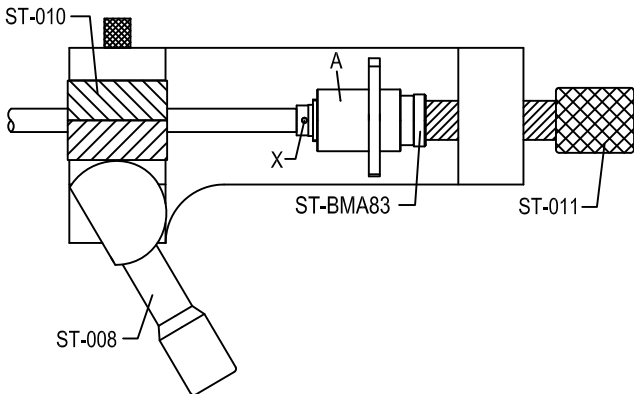
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| BMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BMA8326S-0141/M2.5                   |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------|------------------|---------------------|--------------------------------------|----------------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|-------|------------------------------------------------|------------|--------------------------------|------------|
| <div>Interface</div> MIL-STD-348B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| <div>Electrical Data</div> <table> <tr> <td>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 |
| 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>Mechanical Data</div> <table> <tr> <td>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                               |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Engagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ≤ 3 lbs                              |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Disengagement force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≤ 1.5 lbs                            |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Contact captivation-axial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ≥ 6.1 lbs                            |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Durability (mating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≥ 1000                               |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| <div>Environmental Data</div> <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 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 |                                    |       |                                    |       |                                                |            |                                |            |
| 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                            |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| <div>Tooling</div> <table> <tr> <td>Locator tool</td><td>ST-011, ST-BMA83</td></tr> <tr> <td>Soldering fixture</td><td>ST-008</td></tr> <tr> <td>Insert for .141 semi-rigid cable</td><td>ST-010</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                       |                                      | Locator tool      | ST-011, ST-BMA83 | Soldering fixture   | ST-008                               | Insert for .141 semi-rigid cable | ST-010                  |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Locator tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ST-011, ST-BMA83                     |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Soldering fixture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ST-008                               |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |
| Insert for .141 semi-rigid cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ST-010                               |                   |                  |                     |                                      |                                  |                         |                     |                                      |                       |           |                                    |       |                                    |       |                                                |            |                                |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                           |  |         |                                                                                                                                                      |         |   |
|---------------------------------------------------------------------------------------------------------------------------|--|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| BMA8326S-0141/M2.5                                                                                                        |  | DATE    | 2018/10/05                                                                                                                                           | REV     | — |
| <div>A</div> <div></div> <div>BODY</div> |  |         |                                                                                                                                                      |         |   |
| DIAGRAM                                                                                                                   |  |         | ASSEMBLY INSTRUCTION                                                                                                                                 |         |   |
| <div></div>                             |  |         | Step 1: STRIP AS SHOWN.                                                                                                                              |         |   |
| <div></div>                            |  |         | Step 2: SHARPEN CENTER CONDUCTOR TIP.                                                                                                                |         |   |
| <div></div>                            |  |         | Step 3: SLIDE CABLE INTO CONNECTOR BODY "A".                                                                                                         |         |   |
| <div></div>                            |  |         | Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " AND " ST-BMA83 " TO FIX THE CONNECTOR. SOLDER IN " X ". |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.       |  |         |                                                                                                                                                      |         |   |
| APPROVED                                                                                                                  |  | CHECKED |                                                                                                                                                      | DRAWING |   |
|                                                                                                                           |  |         |                                                                                                                                                      | Albert  |   |

# BMA8326S-0141/M2.5

S11

