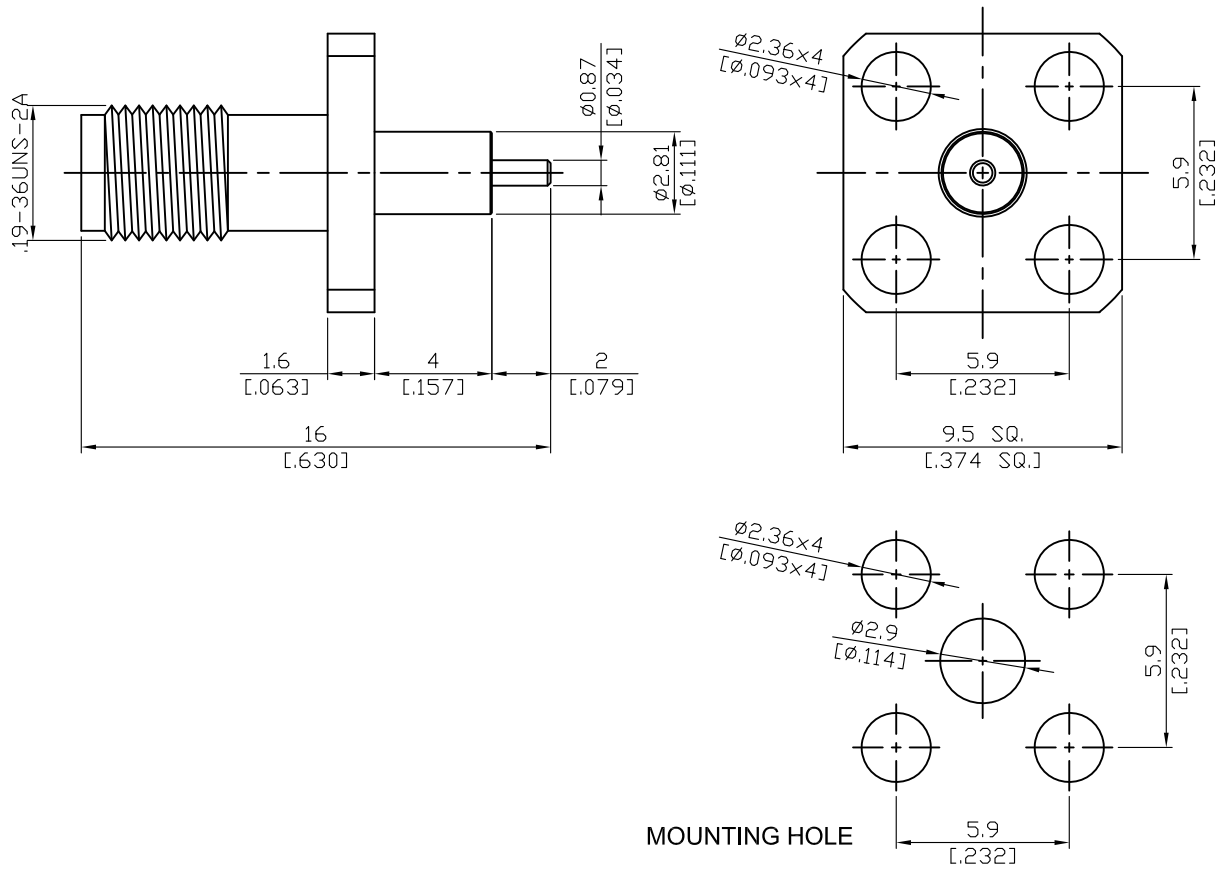


| | | |
|---------------------|---|------------------------------|
| SSMA864S-4/2 | SSMA Jack SQ 9.5mm 4 Hole Flange With Round Contact ($\Phi 0.87$;L=2), PTFE L=4; 27GHz VSWR 1.2 | 50Ω |
|---------------------|---|------------------------------|



| Parts | Material | Plating (Micro-inch) |
|-------------|------------------|---|
| Body | Stainless Steel | Passivated |
| Insulator | Teflon | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

| | |
|--|--|
| | |
|--|--|

This part number complies with RoHS.

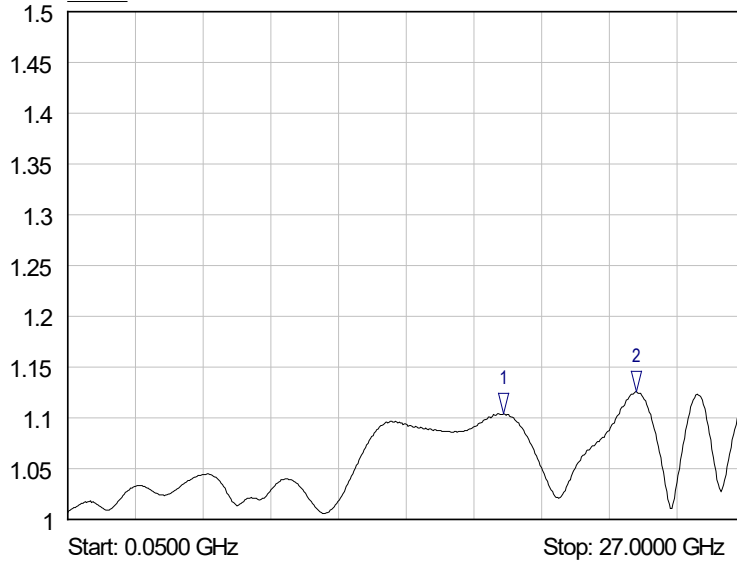
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SSMA | SSMA864S-4/2 | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|---------------------------------|-----------------|-----------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|---------|--|-----------|--------------------------------|-----------|
| <div data-bbox="113 300 513 349" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="113 461 513 510" 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 27GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 27GHz)</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 27GHz | VSWR | ≤ 1.2 (DC to 27GHz) | 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 27GHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.2 (DC to 27GHz) | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="113 1003 513 1052" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Recommended coupling nut torque</td> <td style="width: 50%;">4 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td>5 inch 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 | Contact captivation-axial | ≥ 5 lbs | Durability (mating) | ≥ 500 | | | | | | | | | | |
| Recommended coupling nut torque | 4 inch lbs | | | | | | | | | | | | | | | | | | |
| Coupling proof torque | 5 inch lbs | | | | | | | | | | | | | | | | | | |
| Contact captivation-axial | ≥ 5 lbs | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 500 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="113 1406 513 1456" 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 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 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="113 1760 513 1809" style="border: 1px solid black; padding: 2px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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SSMA864S-4/2

SoftPlot Measurement Presentation
VSWR S11



- 1 S11
▽ 17.4000 GHz
1.10 VSWR
- 2 S11
▽ 22.7000 GHz
1.13 VSWR