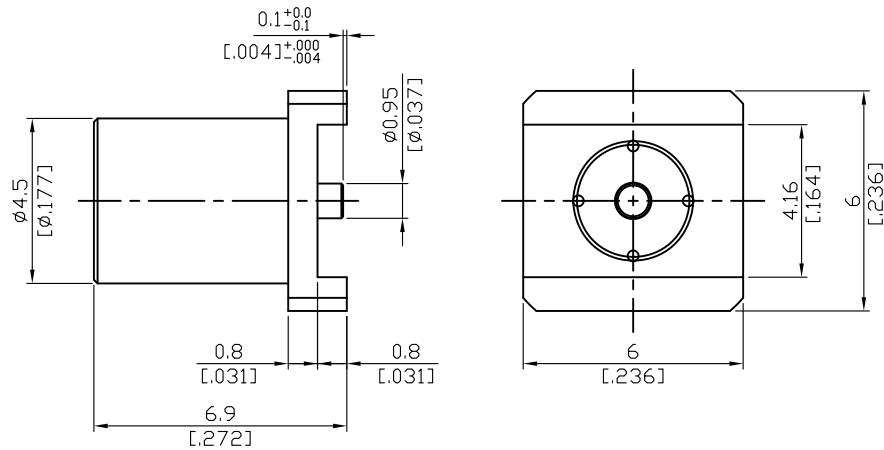


MCX8401-0000

MCX Jack PCB Surface Mount With Round Contact (Φ0.95); 5.3GHz VSWR 1.2

50Ω



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

Weight: 0.72 g

This part number complies with RoHS.

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

| MCX | MCX8401-0000 | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|-------------------|-----------------|---------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|------|------------------------------------|--------|--|-----------|--------------------------------|-----------|
| <div data-bbox="167 347 568 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p data-bbox="167 403 367 436">IEC 61169-36</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 510 568 555" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" data-bbox="167 560 1356 985"> <tr> <td>Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 5.3GHz</td> </tr> <tr> <td>VSWR</td> <td>≦1.2 (DC to 5.3GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≦0.1dB to 1GHz; ≦0.15 to 3GHz</td> </tr> <tr> <td>Insulation resistance</td> <td>≧10000mΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≦5mΩ</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 5.3GHz | VSWR | ≦1.2 (DC to 5.3GHz) | Insertion loss | ≦0.1dB to 1GHz; ≦0.15 to 3GHz | Insulation resistance | ≧10000mΩ | Contact resistance inner conductor | ≦5mΩ | 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 5.3GHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≦1.2 (DC to 5.3GHz) | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≦0.1dB to 1GHz; ≦0.15 to 3GHz | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≧10000mΩ | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≦5mΩ | | | | | | | | | | | | | | | | | | |
| 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="167 1057 568 1102" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" data-bbox="167 1108 1037 1299"> <tr> <td>Engagement force</td> <td>≦5.6 lbs</td> </tr> <tr> <td>Disengagement force</td> <td>1.8 to 4.5 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≧2.3 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≧500</td> </tr> </table> | | Engagement force | ≦5.6 lbs | Disengagement force | 1.8 to 4.5 lbs | Contact captivation-axial | ≧2.3 lbs | Durability (mating) | ≧500 | | | | | | | | | | |
| Engagement force | ≦5.6 lbs | | | | | | | | | | | | | | | | | | |
| Disengagement force | 1.8 to 4.5 lbs | | | | | | | | | | | | | | | | | | |
| Contact captivation-axial | ≧2.3 lbs | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≧500 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1361 568 1406" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" data-bbox="167 1411 1420 1646"> <tr> <td>Temperature range</td> <td>-55°C to +155°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition F</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 | -55°C to +155°C | Thermal shock | MIL-STD-202, Method 107, Condition F | Moisture resistance | MIL-STD-202, Method 106 | Corrosion | MIL-STD-202, Method 101, Condition B | RoHS | Compliant | | | | | | | | |
| Temperature range | -55°C to +155°C | | | | | | | | | | | | | | | | | | |
| Thermal shock | MIL-STD-202, Method 107, Condition F | | | | | | | | | | | | | | | | | | |
| Moisture resistance | MIL-STD-202, Method 106 | | | | | | | | | | | | | | | | | | |
| Corrosion | MIL-STD-202, Method 101, Condition B | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1720 568 1765" style="border: 1px solid black; padding: 2px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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