

| PC3.5-8F46F-0036 | <p align="center">3.5mm Field Replaceable Jack, Square 9.52mm (.375inch) 4 Hole Flange With EMI Gasket, Accepts $\phi 0.91\text{mm}$ (.036inch) pin; 50Ω 27GHz VSWR 1.15</p> | | | | | | | | | | | | | | | | |
|---|---|---|----------------------|-------------|------------------|---|------------|-------------------------------|--|-----------|-----|--|------|-----------------|------------|--|--|
| | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Parts</th> <th>Material</th> <th>Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Contact Pin</td> <td>Beryllium Copper</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>EMI Gasket</td> <td>Condvctive Silicon Elastomers</td> <td></td> </tr> <tr> <td>Insulator</td> <td>PPO</td> <td></td> </tr> <tr> <td>Body</td> <td>Stainless Steel</td> <td>Passivated</td> </tr> </tbody> </table> | Parts | Material | Plating (Micro-inch) | Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | EMI Gasket | Condvctive Silicon Elastomers | | Insulator | PPO | | Body | Stainless Steel | Passivated | | |
| Parts | Material | Plating (Micro-inch) | | | | | | | | | | | | | | | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | | | | | | | | | | | | | | | |
| EMI Gasket | Condvctive Silicon Elastomers | | | | | | | | | | | | | | | | |
| Insulator | PPO | | | | | | | | | | | | | | | | |
| Body | Stainless Steel | Passivated | | | | | | | | | | | | | | | |
| Weight: | | | | | | | | | | | | | | | | | |

This part number complies with RoHS.

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

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| 3.5 | PC3.5-8F46F-0036 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> <p>IEC 60169-23 Mechanically compatible with 2.92 & SMA</p> | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <p>Impedance 50Ω Frequency range DC to 27GHz VSWR ≤ 1.15 (DC to 27GHz) Insertion loss $\leq 0.03 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working voltage (at sea level) 335 V rms RF leakage $\geq 100\text{dB}$ to 1GHz</p> | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <p>Recommended coupling nut torque 7.1 to 9.7 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 500</p> | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <p>Temperature range -55°C to +105°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</p> | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> | |

PC3.5-8F46F-0036 (tested back to back)

S11

