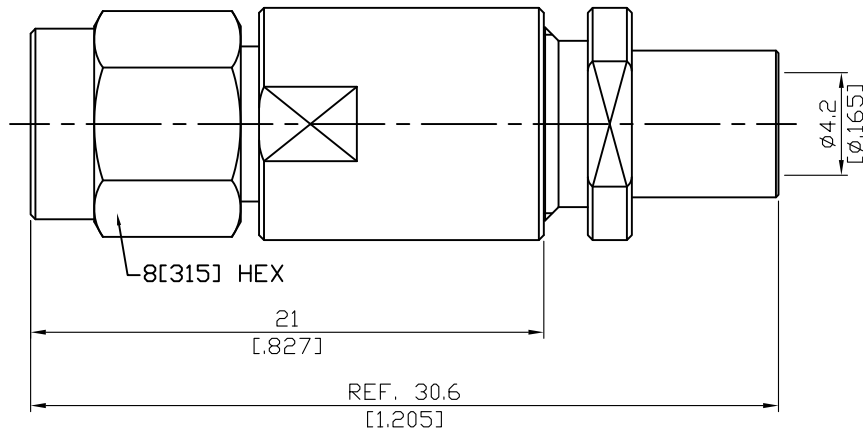


K3200S-0L160

2.92mm Plug Solder Clamp For 5003LD, LL160  
40GHz VSWR 1.2\*

50Ω



Note:

1. Precision connector up to 40GHz.
2. Solder clamp design ensures a sturdy connector/cable connection.
3. Manufacturing low loss high frequency RF assemblies requires expertise.

\*Using 5003LD

| Parts                          | Material         | Plating ( Micro-inch )                                |
|--------------------------------|------------------|-------------------------------------------------------|
| Coupling Nut                   | Stainless Steel  | Passivated                                            |
| Body                           | Stainless Steel  | Passivated                                            |
| Insulator                      | PPO              |                                                       |
| Gasket                         | Silicone         |                                                       |
| Retainer Ring                  | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin                    | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Clamp Nut                      | Stainless Steel  | Passivated                                            |
| Solder Ferrule                 | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Suitable Cables: 5003LD, LL160 |                  |                                                       |

This part number complies with RoHS.

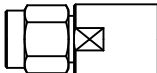
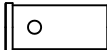
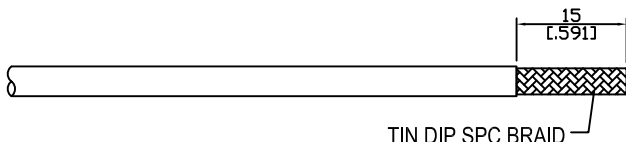
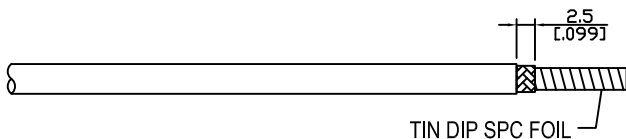
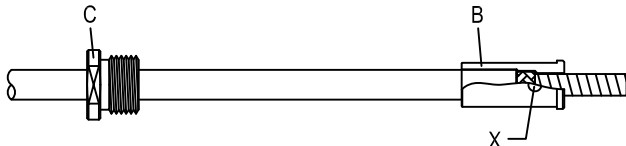
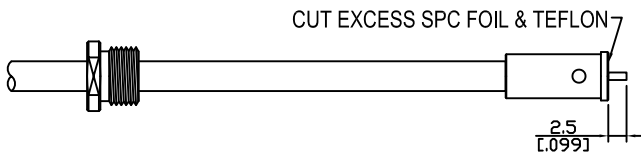
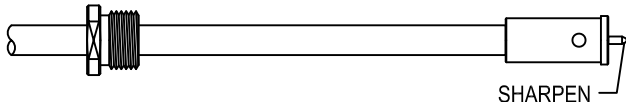
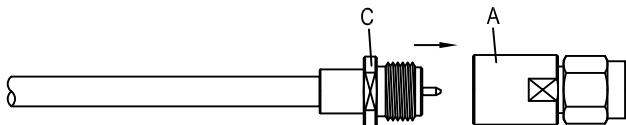
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| 2.92 (K)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | K3200S-0L160 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 3.5 &amp; SMA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| <div>Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 40GHz</p> <p>VSWR <math>\leq 1.2</math> (DC to 40GHz)</p> <p>Insertion loss <math>\leq 0.04 \times \sqrt{f(\text{GHz})}</math> dB</p> <p>Insulation resistance <math>\geq 5000\text{M}\Omega</math></p> <p>Contact resistance inner conductor <math>\leq 3\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 2\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (at sea level) 750 V rms</p> <p>Working Voltage (at sea level) 250 V rms</p> <p>RF leakage <math>\geq 100\text{dB}</math> to 1GHz</p> |              |
| <div>Mechanical Data</div> <p>Recommended coupling nut torque 11.47 inch lbs</p> <p>Coupling proof torque 15 inch lbs</p> <p>Contact Captivation-axial <math>\geq 4.9</math> lbs</p> <p>Durability (mating) <math>\geq 500</math></p>                                                                                                                                                                                                                                                                                                                                                                             |              |
| <div>Environmental Data</div> <p>Temperature range -40°C to +105°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 206</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>                                                                                                                                                                                                                                                                                                                                                   |              |
| <div>Tooling</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

|                                                                                                                                                                                                                                                                                                                                                                                                   |  |         |                                                                                                                                |         |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--------------------------------------------------------------------------------------------------------------------------------|---------|---|
| K3200S-0L160                                                                                                                                                                                                                                                                                                                                                                                      |  | DATE    | 2020/06/01                                                                                                                     | REV     | A |
| <div><div>A</div><div>B</div><div>C</div><div></div><div></div><div></div><div>BODY</div><div>SOLDER FERRULE</div><div>CLAMP NUT</div></div> |  |         |                                                                                                                                |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                           |  |         | ASSEMBLY INSTRUCTION                                                                                                           |         |   |
|  <p>TIN DIP SPC BRAID</p>                                                                                                                                                                                                                                                                                        |  |         | Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.                                                                                  |         |   |
|  <p>TIN DIP SPC FOIL</p>                                                                                                                                                                                                                                                                                       |  |         | Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.                                                                                   |         |   |
|                                                                                                                                                                                                                                                                                                                |  |         | Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE.<br>Step 4: SOLDER IN " X ".                                   |         |   |
|  <p>CUT EXCESS SPC FOIL &amp; TEFLON</p>                                                                                                                                                                                                                                                                       |  |         | Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE.<br>Step 6: CUT CENTER CONDUCTOR TO LENGTH. |         |   |
|  <p>SHARPEN</p>                                                                                                                                                                                                                                                                                                |  |         | Step 7: SHARPEN CENTER CONDUCTOR TIP.                                                                                          |         |   |
|                                                                                                                                                                                                                                                                                                                |  |         | Step 8: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A ".                                                                   |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.                                                                                                                                                                                                                                                                               |  |         |                                                                                                                                |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                          |  | CHECKED |                                                                                                                                | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                   |  |         |                                                                                                                                | Albert  |   |