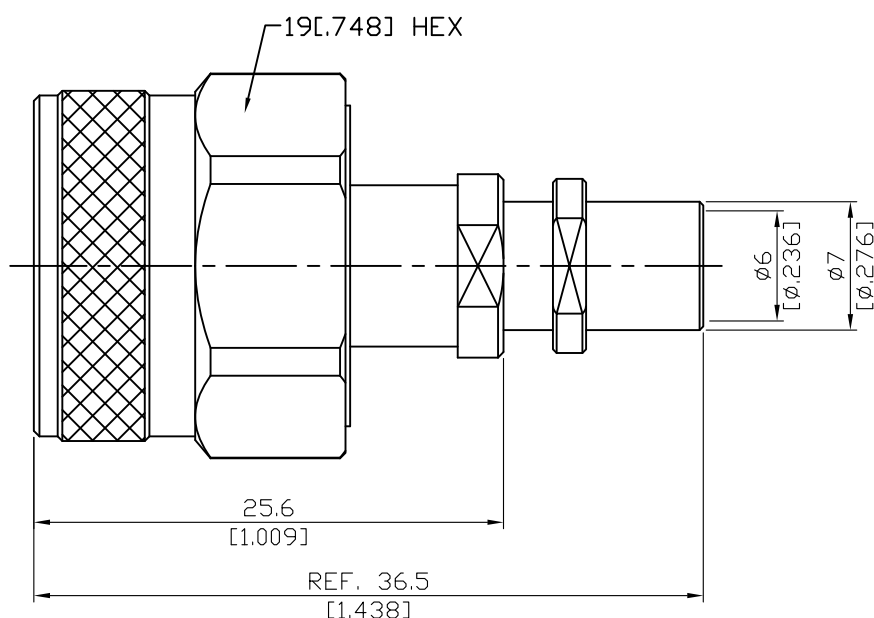


N32SHS-0L235

N plug solder clamp for 5007, LL235;  
18GHz VSWR 1.2

50Ω



**Note:**

1. Precision connector up to 18GHz
2. Solder clamp design ensures a sturdy connector/cable connection.
3. Manufacturing low loss high frequency RF assemblies requires expertise.

| Parts          | Material        | Plating ( Micro-inch )                                |
|----------------|-----------------|-------------------------------------------------------|
| Coupling Nut   | Stainless Steel | Passivated                                            |
| Body           | Stainless Steel | Passivated                                            |
| Contact Pin    | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator      | Teflon          |                                                       |
| Gasket         | Silicone        |                                                       |
| Retainer Ring  | Brass           | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Solder Ferrule | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Clamp Nut      | Stainless Steel | Passivated                                            |

Suitable Cables: 5007, LL235

This part number complies with RoHS.

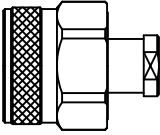
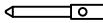
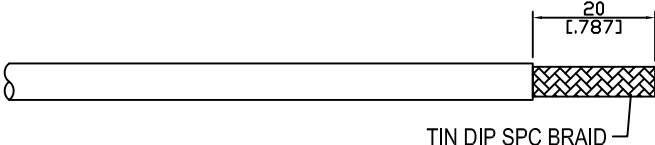
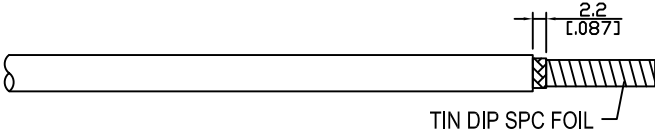
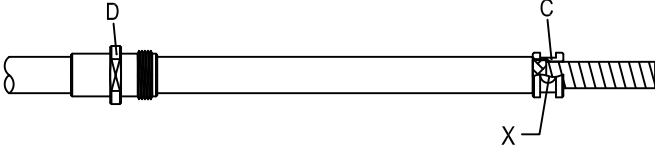
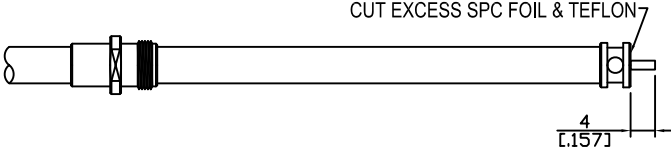
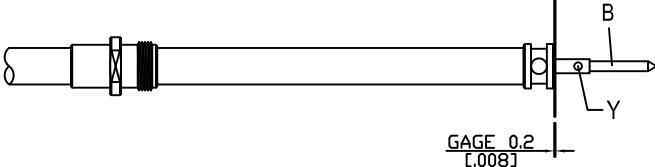
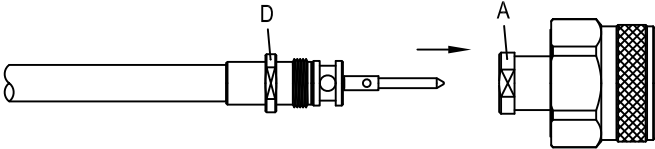
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| N                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N32SHS-0L235 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> MIL-STD-348B                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
| <div>Electrical Data</div> Impedance 50Ω<br>Frequency range DC to 18GHz<br>VSWR $\leq 1.2$ (DC to 18GHz)<br>Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB<br>Insulation resistance $\geq 5000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 1.5\text{m}\Omega$<br>Contact resistance outer conductor $\leq 1\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 2500 V rms<br>Working voltage (at sea level) 1000 V rms |              |
| <div>Mechanical Data</div> Recommended coupling nut torque 6 to 10 inch lbs<br>Coupling proof torque 15 inch lbs<br>Coupling nut retention force $\geq 101.2$ lbs<br>Contact captivation-axial $\geq 6.3$ lbs<br>Durability (mating) $\geq 500$                                                                                                                                                                                                                |              |
| <div>Environmental Data</div> Temperature range -65°C to +165°C<br>Thermal shock MIL-STD-202, Method 107, Condition B<br>Moisture resistance MIL-STD-202, Method 106<br>Corrosion MIL-STD-202, Method 101, Condition B<br>RoHS Compliant                                                                                                                                                                                                                       |              |
| <div>Tooling</div> Soldering gauge ST-0.2                                                                                                                                                                                                                                                                                                                                                                                                                      |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

|                                                                                                                     |  |                                                                                   |                                                                                                                                |                                                                                    |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| N32SHS-0L235                                                                                                        |  | DATE                                                                              | 2020/02/03                                                                                                                     | REV                                                                                | —                                                                                   |
| A                                                                                                                   |  | B                                                                                 |                                                                                                                                | C                                                                                  | D                                                                                   |
|                                    |  |  |                                                                                                                                |  |  |
| BODY                                                                                                                |  | CONTACT PIN                                                                       |                                                                                                                                | SOLDER FERRULE                                                                     | CLAMP NUT                                                                           |
| DIAGRAM                                                                                                             |  |                                                                                   | ASSEMBLY INSTRUCTION                                                                                                           |                                                                                    |                                                                                     |
|                                     |  |                                                                                   | Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.                                                                                  |                                                                                    |                                                                                     |
|                                   |  |                                                                                   | Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.                                                                                   |                                                                                    |                                                                                     |
|                                   |  |                                                                                   | Step 3: SLIDE NUT " D " AND SOLDER FERRULE " C " OVER THE CABLE.<br>Step 4: SOLDER IN " X ".                                   |                                                                                    |                                                                                     |
|                                   |  |                                                                                   | Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE.<br>Step 6: CUT CENTER CONDUCTOR TO LENGTH. |                                                                                    |                                                                                     |
|                                   |  |                                                                                   | Step 7: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".                   |                                                                                    |                                                                                     |
|                                   |  |                                                                                   | Step 8: FINALLY SCREW NUT " D " 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                                                                             |                                                                                     |

# N32SHS-0L235

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