Series J.STWX8 push-pull self-latching style RF coaxial connector is developed for use in military radar. It is convenient in insertion and withdrawal, reliable in connection and vibration resistance.

**Key performance**
- Characteristic impedance: $50\,\Omega$
- Frequency range: $0-40\,\text{GHz}$
- Contact resistance:
  - Center conductor: $\leq 1.5\,\text{m}\Omega$
  - Outside conductor: $\leq 1.0\,\text{m}\Omega$
- Insulation resistance: $\geq 5000\,\text{M}\Omega$
- Insulator voltage withstand: $1500\,\text{V}$
- VSWR: $\leq 1.30$
- Connector durability: $500$ cycles
- Applicable spec/std: J.FD/Q2093-01

**Material**
- Center contacts:
  - Male: brass, gold plated
  - Female: beryllium copper, gold plated
- Bodies other metal parts: brass, gold plated
- Insulators: Teflon
- Crimp ferrule: copper, nickel plated
- Gasket and seal rings: silicone rubber
- Heat-shrink tubing: thermofit plastic

**Interface Dimensions**
<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSTWX8-LFD</td>
<td>2711-1917</td>
<td>body nickel plated</td>
</tr>
<tr>
<td>JSTWX8-HSD</td>
<td>2721-9701</td>
<td>body nickel plated, front covering, stainless steel</td>
</tr>
</tbody>
</table>

![Diagram of JSTWX8 series components](image)