DS series is used as a contact in the D-Sub series of multi-pin connectors when it is necessary to run DC and RF signals through the same junction.

**Key performance**
- Characteristic impedance: 50Ω
- Frequency range: 0–1GHz
- Contact resistance:
  - Center conductor ≤ 6.0mΩ
  - Out conductor ≤ 2.0mΩ
- Insulation resistance: ≥500MΩ
- Insulator voltage withstanding: 500V
- VSWR: ≤ 1.30
- Connector durability: 500 cycles.
- Applicable spec/ std: MIL-C-24308

**Material**
- Center contacts:
  - Male—brass, gold plated.
  - Female—beryllium copper, gold plated.
- Bodies and 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**

**Reference Plane**

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### DS SERIES

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>DS-JY</td>
<td>1310-6900</td>
<td>High-voltage plug</td>
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</tbody>
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