1.6/5.6 DIN connectors are push on and push on threaded connectors are named after their outer diameter of the inner conductor and inner diameter of the outer conductor.

The major advantage of this connector is that the plug and socket could be mounted on panels and plugged together.

Series
1.6/5.6 DIN

Microminiature Coaxial Connector
Technical Data
Material Data
Cable Connector
PCB Connector
Adaptor within Series
Microminiature Coaxial Connector

Description
1.6/5.6 DIN connectors are push on and push on threaded connectors are named after their outer diameter of the inner conductor and inner diameter of the outer conductor.

The major advantage of this connector is that the plug and socket could be mounted on panels and plugged together.

Contents
- Microminiature Coaxial Connector: 208
- Technical Data: 209
- Material Data: 209
- Cable Connector: 210
- PCB Connector: 212
- Adaptor within-Series: 212

Interface Dimensions

Plug (Male)

Jack (Female)

Interface Dimensions in mm/inch

<table>
<thead>
<tr>
<th>Connector Part</th>
<th>Male</th>
<th>Female</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN</td>
<td>Brass</td>
<td>Beryllium-Copper</td>
<td>Gold</td>
</tr>
<tr>
<td>INSULATOR</td>
<td>PTFE</td>
<td>PTFE</td>
<td>-</td>
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<tr>
<td>BODIES</td>
<td>Brass</td>
<td>Brass</td>
<td>Gold &amp; Nickel</td>
</tr>
<tr>
<td>JACK</td>
<td>Brass</td>
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<td>Gold</td>
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<td>Brass</td>
<td>Nickel</td>
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<tr>
<td>NUT</td>
<td>-</td>
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<tr>
<td>WASHER</td>
<td>-</td>
<td>Brass</td>
<td>Nickel</td>
</tr>
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</table>

Technical Data

Requirement

- ELECTRICAL DATA
  - Impedance: 75Ω
  - Frequency range: DC ........ 1GHz
  - Dielectric withstanding voltage (at sea level): 1.5 kV rms, 50 Hz
  - Working voltage (at sea level): ≤ 300 V rms, 50 Hz
  - Insulation resistance: ≥ 500 MΩ
  - Contact resistance
    - Center contacts: ≤ 4 mΩ
    - Outer contacts: ≤ 2.0 mΩ

- MECHANICAL DATA
  - Engagement force: ≥ 12 N / 2.76 lbs
  - Disengagement force: ≥ 2.2 N / 0.5 lbs
  - Durability (matings): ≥ 500

Material Data

<table>
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<tr>
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<td>Brass</td>
<td>Nickel</td>
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</tbody>
</table>
**Cable Connector**

- **Straight Cable Plug (male)**
  - For flexible cable
  - Screw-On Type
  - Cable entry crimp Centre Contact Soldered

- **Right Angle Cable Plug (male)**
  - For flexible cable
  - Screw-On Type
  - Cable entry crimp Centre Contact Soldered

- **Straight Bulkhead Cable Jacks (female)**
  - For flexible cable
  - Screw-On + Slide-On Type
  - Cable entry crimp Centre Contact Soldered

- **Right Angle Cable Jacks (female)**
  - For flexible cable
  - Screw-On + Slide-On Type
  - PCB Soldered
  - Cable entry crimp
### 1.6/5.6 DIN

#### Connector

**Straight PCB Jacks (female)**

- **Fig. 1:**
- **Fig. 2:**
- **Fig. 3:**

<table>
<thead>
<tr>
<th>Fig</th>
<th>Type</th>
<th>Code</th>
<th>Plating</th>
<th>Mounting Hole</th>
<th>Note</th>
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<tbody>
<tr>
<td>1</td>
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**Right Angle PCB Jacks (female)**

- **Fig. 1:**
- **Fig. 2:**
- **Fig. 3:**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
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<td>Gold</td>
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<td>K318-794-000</td>
<td>Gold</td>
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<tr>
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<td>K318-790-000</td>
<td>Nickel</td>
<td>AD3961-001-1/1</td>
<td></td>
</tr>
</tbody>
</table>

#### Adaptor within-Series

**Straight Adaptor Plug to Plug (male)**

- **Fig. 1:**
- **Fig. 2:**
- **Fig. 3:**
- **Fig. 4:**

<table>
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<td>K318-792-000</td>
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<td>K318-790-000</td>
<td>Nickel</td>
<td>AD3961-001-1/1</td>
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</tbody>
</table>

#### PCB Connector

**STANDARD CRIMP**

1. Cut the cable as much as required.
2. Insert the ferrule and the heat shrink sleeve into the cable and strip off the outer seath.
3. Strip off the outer conductor and the center conductor as shown in the diagram.
4. After preparing the center conductor, insert the center contact into the center conductor and solder.
5. After inserting the center contact and the dielectric core of the cable into the body to be wrapped with the above portion of the body as shown in the diagram, push the ferrule to the above of the outer conductor and crimp with the crimp tool.
6. Push the shrink sleeve to the above the ferrule finished crimp and contract by heating.

#### CONNECTORS

- K318-074
- K318-084

**Step 1.**

**Step 2.**

**Step 3.**

**Step 4.**

**Step 5.**

**Step 6.**