D Series

Dimensions are in inches [mm]

www.hypertronics.com

Circular Plastic Connectors
- 3, 4, 7, 9, 12 and 25 position models
- 1 to 8 Amps per contact
- Mixed signal and power or coax available
- recognized components File No. 102195
- Each connector half accepts pins or sockets
- High impact plastic body
- Quick disconnect push button release
- Alignment and polarization provided by housing
- Crimp, solder cup, and pc contacts
- Color coding available

Connector Dimensions

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Series</th>
<th>Maximum Recommended Panel Thickness in Steel</th>
<th>Maximum Recommended Panel Thickness in Alum.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1903</td>
<td>D01</td>
<td>0.048 [1.25]</td>
<td>0.075 [1.90]</td>
</tr>
<tr>
<td>T1904</td>
<td>D02</td>
<td>0.062 [1.60]</td>
<td>0.094 [2.40]</td>
</tr>
</tbody>
</table>

NOTE:
1) Recommended tightening torque for panel mount receptacle (0.452–0.678 N•M) for both D01 and D02.

Mounting Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>D01 Housing</th>
<th>D02 Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1.142 [29.00]</td>
<td>1.358 [34.50]</td>
</tr>
<tr>
<td>B</td>
<td>1.614 [41.00]</td>
<td>1.950 [49.50]</td>
</tr>
<tr>
<td>C</td>
<td>1.732 [44.00]</td>
<td>2.087 [53.00]</td>
</tr>
<tr>
<td>D</td>
<td>2.400 [61.00]</td>
<td>2.953 [75.00]</td>
</tr>
<tr>
<td>F</td>
<td>1.500 [38.00]</td>
<td>1.772 [45.00]</td>
</tr>
<tr>
<td>G Dia.</td>
<td>0.512 [13.00]</td>
<td>0.709 [18.00]</td>
</tr>
<tr>
<td>H Dia.</td>
<td>0.118 [3.00] Min.</td>
<td>0.197 [5.00] Min.</td>
</tr>
<tr>
<td></td>
<td>0.216 [5.50] Max.</td>
<td>0.315 [8.00] Max.</td>
</tr>
<tr>
<td>J Dia.</td>
<td>0.472 [12.00]</td>
<td>0.709 [18.00]</td>
</tr>
<tr>
<td>K</td>
<td>0.161 [4.10]</td>
<td>0.278 [7.00]</td>
</tr>
<tr>
<td>L</td>
<td>M11 X 1.00 Thd.</td>
<td>M15 X 1.00 Thd.</td>
</tr>
<tr>
<td>M</td>
<td>0.512 [13.00]</td>
<td>0.669 [17.00]</td>
</tr>
<tr>
<td>N</td>
<td>0.512 [13.00]</td>
<td>0.689 [17.50]</td>
</tr>
<tr>
<td>Q Dia.</td>
<td>0.220 [5.60]</td>
<td>0.100 [2.54]</td>
</tr>
<tr>
<td>R</td>
<td>0.126 [3.20]</td>
<td>0.295 [7.50]</td>
</tr>
<tr>
<td>S Dia.</td>
<td>0.441 [11.20]</td>
<td>0.598 [15.20]</td>
</tr>
</tbody>
</table>

Dimensions are in inches [mm]
## D01 General Specifications

<table>
<thead>
<tr>
<th></th>
<th>3 Pin</th>
<th>4 Pin</th>
<th>9 Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact Diameter</strong></td>
<td>0.024 [0.60]</td>
<td>0.024 [0.60]</td>
<td>0.016 [0.40]</td>
</tr>
<tr>
<td><strong>Current Rating</strong> (Amps)</td>
<td>4</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td><strong>Contact Resistance</strong> (milliohms)</td>
<td>&lt; 5</td>
<td>&lt; 5</td>
<td>&lt; 8</td>
</tr>
<tr>
<td><strong>Extraction Force Per Contact</strong> (oz.)</td>
<td>0.50 to 2.00</td>
<td>0.50 to 2.00</td>
<td>0.60 to 1.60</td>
</tr>
<tr>
<td><strong>Contact Life Cycles</strong></td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td><strong>Breakdown Voltage Between Contacts</strong></td>
<td>&gt; 2250V</td>
<td>&gt; 2250V</td>
<td>&gt; 1000V</td>
</tr>
<tr>
<td><strong>Dielectric Withstanding Voltage</strong></td>
<td>1650V</td>
<td>1650V</td>
<td>750V</td>
</tr>
</tbody>
</table>

### Contact
- **Socket Material**: Beryllium copper wires and brass body (socket)
- **Pin Material**: Brass (pin)
- **Plating Material**: Gold over nickel
- **Insulation Resistance**: > 10^9 megohms at 500 VDC
- **Temperature Rating**:
  - Polycarbonate (D01 - 3 and 4 pin only): -40° C to 85° C
  - Polyetherimide (D01 - 9 pin only): -40° C to 125° C

### Accessories
- **Crimp Tool**: AFM8 or M22520/2-01
- **Positioner**: K547
- **Removal Tool**: S/DEM1.0060
- **Insertion Tool**: T1866

---

## D02 General Specifications

<table>
<thead>
<tr>
<th></th>
<th>3 Pin</th>
<th>7 Pin</th>
<th>9 Pin</th>
<th>12 Pin</th>
<th>25 Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact Diameter</strong></td>
<td>0.059 [1.50]</td>
<td>0.024 [0.60]</td>
<td>0.024 [0.60]</td>
<td>0.018 [0.50]</td>
<td>0.016 [0.40]</td>
</tr>
<tr>
<td><strong>Current Rating</strong> (Amps)</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td>2.5</td>
<td>1</td>
</tr>
<tr>
<td><strong>Contact Resistance</strong> (milliohms)</td>
<td>&lt; 2</td>
<td>&lt; 5</td>
<td>&lt; 5</td>
<td>&lt; 8</td>
<td>&lt; 8</td>
</tr>
<tr>
<td><strong>Extraction Force Per Contact</strong> (oz.)</td>
<td>1.80 to 5.40</td>
<td>0.50 to 2.00</td>
<td>0.50 to 2.00</td>
<td>0.30 to 1.60</td>
<td>0.30 to 1.60</td>
</tr>
<tr>
<td><strong>Contact Life Cycles</strong></td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td><strong>Breakdown Voltage Between Contacts</strong></td>
<td>&gt; 2250</td>
<td>&gt; 2000</td>
<td>&gt; 1560</td>
<td>&gt; 1000</td>
<td>&gt; 1000</td>
</tr>
<tr>
<td><strong>Dielectric Withstanding Voltage</strong></td>
<td>1650</td>
<td>1500</td>
<td>1150</td>
<td>750</td>
<td>750</td>
</tr>
</tbody>
</table>

### Contact
- **Socket Material**: Beryllium copper wires and brass body (socket)
- **Pin Material**: Brass (pin)
- **Plating Material**: Gold over nickel
- **Insulation Resistance**: > 10^9 megohms at 500 VDC
- **Temperature Rating**:
  - Polycarbonate (D02 - 3, 7, 9 and 12 pin only): -40° C to 85° C
  - Polyetherimide (D02 - 25 pin only): -40° C to 125° C

### Accessories
- **Crimp Tool**: AF8
- **Positioner**: K547
- **Removal Tool**: S/DEM1.0060
- **Insertion Tool**: T1866

*If color coding option is specified, maximum temperature rating is 85° C.

Dimensions are in inches [mm]
### D01 3 Pin

**Housing Options**
- Receptacle Panel Mount
- Receptacle Cable Plug

**Contact Options**
- Crimp Socket – 22-26 AWG
- Crimp Socket – 18-20 AWG
- Solder Cup Socket – up to 22 AWG
- Crimp Pin – 22-26 AWG
- Crimp Pin – 18-20 AWG
- Solder Cup Pin – up to 22 AWG

**Example Part Numbers**
- D01EEB306FRTAH
- D01EPB306FRTAH
- D01PB306MRT

**Tools**
- Crimp Tool
- Crimp Positioner
- Removal Tool
- Insertion Tool

### D01 4 Pin

**Housing Options**
- Receptacle Panel Mount
- Receptacle Cable Plug

**Contact Options**
- Crimp Socket – 22-26 AWG
- Crimp Socket – 18-20 AWG
- Solder Cup Socket – up to 22 AWG
- Crimp Pin – 22-26 AWG
- Crimp Pin – 18-20 AWG
- Solder Cup Pin – up to 22 AWG

**Example Part Numbers**
- D01EEB406FRTAH
- D01EPB406FRTAH
- D01PB406MRT

**Tools**
- Crimp Tool
- Crimp Positioner
- Removal Tool
- Insertion Tool

### D01 9 Pin

**Housing Options**
- Receptacle Panel Mount
- Receptacle Cable Plug

**Contact Options**
- Crimp Socket – 26-28 AWG
- Solder Cup Socket – up to 26 AWG
- Crimp Pin – 26-28 AWG
- Solder Cup Pin – up to 26 AWG

**Example Part Numbers**
- D01EEB904FRUATAH
- D01EPB904FRUATAH
- D01PB904MRUT

**Tools**
- Crimp Tool
- Crimp Positioner
- Insertion Tool

Dimensions are in inches [mm]

www.hypertronics.com
### D Series

#### D02 3 Pin

**Receptacle seen from mating side**

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB315FRTAH</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB315FRTAH</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB315MRT</td>
</tr>
</tbody>
</table>

**Contact Options**

Crimp Socket – 18 and 20 AWG
Solder Cup Socket – up to 16 AWG
Crimp Pin – 18 and 20 AWG
Solder Cup Pin – up to 16 AWG

**Tools**

Crimp Tool
Crimp Positioner
Removal Tool
Insertion Tool

#### D02 7 Pin

**Receptacle seen from mating side**

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB706FRTAH</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB706FRTAH</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB706MRT</td>
</tr>
</tbody>
</table>

**Contact Options**

Crimp Socket – 22-26 AWG
Solder Cup Socket – up to 22 AWG
Crimp Pin – 22-26 AWG
Solder Cup Pin – up to 22 AWG

**Tools**

Crimp Tool
Crimp Positioner
Removal Tool
Insertion Tool

#### D02 9 Pin

**Receptacle seen from mating side**

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB906FRTAH</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB906FRTAH</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB906MRT</td>
</tr>
</tbody>
</table>

**Contact Options**

Crimp Socket – 22-26 AWG
Solder Cup Socket – up to 22 AWG
Crimp Pin – 22-26 AWG
Solder Cup Pin – up to 22 AWG

**Tools**

Crimp Tool
Crimp Positioner
Removal Tool
Insertion Tool

See part number configurator on page 2/17 for complete ordering information.

Dimensions are in inches [mm]
### D02 12 Pin

**Receptacle seen from mating side**

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB125FRTAH</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB125FRTAH</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB125MRT</td>
</tr>
<tr>
<td><strong>Contact Options</strong></td>
<td></td>
</tr>
<tr>
<td>Crimp Socket – 22-26 AWG</td>
<td></td>
</tr>
<tr>
<td>Solder Cup Socket – up to 22 AWG</td>
<td></td>
</tr>
<tr>
<td>Crimp Pin – 22-26 AWG</td>
<td></td>
</tr>
<tr>
<td>Solder Cup Pin – up to 22 AWG</td>
<td></td>
</tr>
<tr>
<td><strong>Tools</strong></td>
<td></td>
</tr>
<tr>
<td>Crimp Tool</td>
<td></td>
</tr>
<tr>
<td>Crimp Positioner</td>
<td></td>
</tr>
<tr>
<td>Insertion Tool</td>
<td></td>
</tr>
</tbody>
</table>

### D02 25 Pin

**Receptacle seen from mating side**

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB2504FRUTAH</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB2504FRUTAH</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB2504MRUT</td>
</tr>
<tr>
<td><strong>Contact Options</strong></td>
<td></td>
</tr>
<tr>
<td>Crimp Socket – 26-28 AWG</td>
<td></td>
</tr>
<tr>
<td>Solder Cup Socket – up to 26 AWG</td>
<td></td>
</tr>
<tr>
<td>Crimp Pin – 26-28 AWG</td>
<td></td>
</tr>
<tr>
<td>Solder Cup Pin – up to 26 AWG</td>
<td></td>
</tr>
<tr>
<td><strong>Tools</strong></td>
<td></td>
</tr>
<tr>
<td>Crimp Tool</td>
<td></td>
</tr>
<tr>
<td>Crimp Positioner</td>
<td></td>
</tr>
<tr>
<td>Insertion Tool</td>
<td></td>
</tr>
</tbody>
</table>

---

Dimensions are in inches [mm]
## Combination Connectors Power and Signal

- Two 8 Amp and seven 2.5 Amp Signal Contacts • Crimp Contacts

### D02

#### Power and Signal

Receptacle seen from mating side

#### Housing Options

- Receptacle Panel Mount
- Plug

#### Contact Options

- Power Socket – 16-20 AWG
- Power Pin – 16-20 AWG
- Signal Socket – 22-26 AWG
- Signal Pin – 22-26 AWG

#### Tools

- Crimp Tool
- Crimp Positioner (Pin)
- Removable Tool
- Insertion Tool

#### Example Part Numbers*

<table>
<thead>
<tr>
<th>Power</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>D02EEB215/705FRTAH</td>
<td>D02PB215/705MRT</td>
</tr>
</tbody>
</table>

See part number configurator on page 2/17 for complete ordering information.

### General Specifications

<table>
<thead>
<tr>
<th>Contacts</th>
<th>Power</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Contacts</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>Diameter</td>
<td>0.059 [1.50]</td>
<td>0.018 [0.50]</td>
</tr>
<tr>
<td>Current Rating (Amps)</td>
<td>8</td>
<td>2.50</td>
</tr>
<tr>
<td>Contact Resistance</td>
<td>&lt; 2.0 milliohms</td>
<td>&lt; 8.0 milliohms</td>
</tr>
<tr>
<td>Extraction Force</td>
<td>1.8 to 5.4 oz.</td>
<td>0.3 to 1.6 oz.</td>
</tr>
</tbody>
</table>

#### Contact Material

- Pins: Brass
- Sockets: Beryllium copper wires and brass body

#### Insulator Material

- Receptacle: Polycarbonate
- Plug: Polycarbonate

#### Flammability

- UL94V0

#### Temperature Rating

- -40° C to 85° C

#### Insulation Resistance

- > 10 Mohm at 500 VDC

---

**NOTE:**

*B* = Black Polycarbonate Available in Power and Signal.

Dimensions are in inches [mm]
## Combination Connectors Coax or Power and Signal

### D02

**Coax or Power and Signal**

![Receptacle seen from mating side](image)

<table>
<thead>
<tr>
<th>Housing Options</th>
<th>Example Part Numbers¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacle Panel Mount</td>
<td>D02EEB905FR1C1FRUTHA</td>
</tr>
<tr>
<td>Receptacle Cable</td>
<td>D02EPB905FR1C1FRUTHA</td>
</tr>
<tr>
<td>Plug</td>
<td>D02PB905MR1C1MRUT</td>
</tr>
</tbody>
</table>

### Contact Options

- Coax Crimp Socket – RG316, RG316DB
- Coax Solder Cup Socket – RG405, T-Flex 405
- Coax Crimp Pin – RG316, RG316DB
- Coax Solder Cup Pin – RG405, T-Flex 405
- Power Crimp Socket – 12 AWG
- Power Crimp Pin – 12 AWG
- Signal Crimp Socket – 22-26 AWG
- Signal Solder Cup Socket – 22-26 AWG
- Signal Crimp Pin – 22-26 AWG
- Signal Solder Cup Pin – 22-26 AWG

### Tools

<table>
<thead>
<tr>
<th>Coax</th>
<th>Power</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crimp Tool</td>
<td>HX3 (Outer)</td>
<td>M309</td>
</tr>
<tr>
<td>Crimp Die Set</td>
<td>AFM8 (Inner)</td>
<td>–</td>
</tr>
<tr>
<td>Crimp Positioner</td>
<td>T1955 (Outer) or T2019 (Outer for RG316DB)</td>
<td>T1981</td>
</tr>
<tr>
<td>Removal Tool</td>
<td>T1957 (Inner)</td>
<td>T1982</td>
</tr>
<tr>
<td>Insertion Tool</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### NOTES:

1) H = Black Polyetherimide (High Temperature).

2) Available in Coax or Power and Signal.

Dimensions are in inches [mm]
**Printed Circuit Board Receptacles** (Right Angle)

![Diagram of printed circuit board receptacles](image)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>D01 Housing 3 and 4 Position</th>
<th>D01 Housing 9 Position</th>
<th>D02 Housing 3 Position</th>
<th>D02 Housing 7 and 9 Position</th>
<th>D02 Housing 12 Position</th>
<th>D02 Housing 25 Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>0.790 [20.07]</td>
<td>0.700 [17.79]</td>
<td>0.834 [21.19]</td>
<td>0.742 [18.85]</td>
<td>0.689 [17.50]</td>
<td>0.655 [16.65]</td>
</tr>
<tr>
<td>V</td>
<td>0.100 [2.54]</td>
<td>0.075 [1.90]</td>
<td>0.150 [3.81]</td>
<td>0.100 [2.54]</td>
<td>0.100 [2.54]</td>
<td>0.075 [1.90]</td>
</tr>
<tr>
<td>W</td>
<td>0.187 [4.74]</td>
<td>0.181 [4.60]</td>
<td>0.184 [4.68]</td>
<td>0.177 [4.50]</td>
<td>0.173 [4.39]</td>
<td>0.181 [4.60]</td>
</tr>
<tr>
<td>X Dia.</td>
<td>0.024 [0.60]</td>
<td>0.015 [0.38]</td>
<td>0.059 [1.50]</td>
<td>0.024 [0.60]</td>
<td>0.017 [0.435]</td>
<td>0.015 [0.38]</td>
</tr>
<tr>
<td>AA</td>
<td>0.709 [18.00]</td>
<td>0.709 [18.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
</tr>
<tr>
<td>CC</td>
<td>0.236 [6.00]</td>
<td>0.236 [6.00]</td>
<td>0.315 [8.00]</td>
<td>0.315 [8.00]</td>
<td>0.315 [8.00]</td>
<td>0.315 [8.00]</td>
</tr>
<tr>
<td>DD</td>
<td>0.220 [5.60]</td>
<td>0.220 [5.60]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
</tr>
<tr>
<td>EE</td>
<td>0.528 [13.40]</td>
<td>0.528 [13.40]</td>
<td>0.610 [15.50]</td>
<td>0.610 [15.50]</td>
<td>0.610 [15.50]</td>
<td>0.610 [15.50]</td>
</tr>
<tr>
<td>FF</td>
<td>0.350 [8.89]</td>
<td>0.350 [8.89]</td>
<td>0.400 [10.16]</td>
<td>0.400 [10.16]</td>
<td>0.400 [10.16]</td>
<td>0.400 [10.16]</td>
</tr>
</tbody>
</table>

Dimensions are in inches [mm]

www.hypertronics.com
Mounting Dimensions
Right Angle Daughter Board Application
Printed Circuit Board Shown From Component Side

Printed Circuit Board Layout for
D01EEB306FB24TABH

Printed Circuit Board Layout for
D01EEB406FB24TABH

Printed Circuit Board Layout for
D01EEB904FB24UTABH

Printed Circuit Board Layout for
D02EEB315FB24TABH

Dimensions are in inches [mm]
Mounting Dimensions
Right Angle Daughter Board Application
Printed Circuit Board Shown From Component Side

Printed Circuit Board Layout for
D02EEB706FB24TABH

Printed Circuit Board Layout for
D02EEB906FB24TABH

Printed Circuit Board Layout for
D02EEB125FB24TABH

Printed Circuit Board Layout for
D02EEB2504FB24UTABH

Dimensions are in inches [mm]
Printed Circuit Board Receptacles (Straight Dip Solder)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>D01 Housing 3 and 4 Position</th>
<th>D01 Housing 9 Position</th>
<th>D02 Housing 3 Position</th>
<th>D02 Housing 7 and 9 Position</th>
<th>D02 Housing 12 Position</th>
<th>D02 Housing 25 Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG</td>
<td>0.914 [23.23]</td>
<td>0.866 [22.00]</td>
<td>1.059 [26.91]</td>
<td>0.989 [25.12]</td>
<td>0.923 [23.45]</td>
<td>0.870 [22.10]</td>
</tr>
<tr>
<td>HH</td>
<td>0.229 [5.82]</td>
<td>0.181 [4.60]</td>
<td>0.193 [4.91]</td>
<td>0.221 [5.61]</td>
<td>0.233 [5.94]</td>
<td>0.260 [4.60]</td>
</tr>
<tr>
<td>JJ</td>
<td>0.157 [4.00]</td>
<td>0.157 [4.00]</td>
<td>0.157 [4.00]</td>
<td>0.157 [4.00]</td>
<td>0.157 [4.00]</td>
<td>0.157 [4.00]</td>
</tr>
<tr>
<td>KK</td>
<td>0.023 [0.58]</td>
<td>0.015 [0.38]</td>
<td>0.039 [1.00]</td>
<td>0.023 [0.58]</td>
<td>0.017 [0.43]</td>
<td>0.015 [0.38]</td>
</tr>
<tr>
<td>MM</td>
<td>0.709 [18.00]</td>
<td>0.709 [18.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
<td>0.866 [22.00]</td>
</tr>
<tr>
<td>QQ</td>
<td>0.500 [12.70]</td>
<td>0.500 [12.70]</td>
<td>0.600 [15.24]</td>
<td>0.600 [15.24]</td>
<td>0.600 [15.24]</td>
<td>0.600 [15.24]</td>
</tr>
<tr>
<td>RR</td>
<td>0.220 [5.60]</td>
<td>0.220 [5.60]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
<td>0.335 [8.50]</td>
</tr>
<tr>
<td>SS</td>
<td>0.685 [17.40]</td>
<td>0.685 [17.40]</td>
<td>0.866 [22.00]</td>
<td>0.768 [19.50]</td>
<td>0.689 [17.50]</td>
<td>0.689 [17.50]</td>
</tr>
<tr>
<td>TT</td>
<td>M11 x 1.00 Thd.</td>
<td>M11 x 1.00 Thd.</td>
<td>M15 x 1.00 Thd.</td>
<td>M15 x 1.00 Thd.</td>
<td>M15 x 1.00 Thd.</td>
<td>M15 x 1.00 Thd.</td>
</tr>
<tr>
<td>UU</td>
<td>0.059 [1.50]</td>
<td>0.059 [1.50]</td>
<td>0.059 [1.50]</td>
<td>0.059 [1.50]</td>
<td>0.059 [1.50]</td>
<td>0.059 [1.50]</td>
</tr>
</tbody>
</table>

Dimensions are in inches [mm]
Mounting Dimensions

Straight Contact Printed Circuit Board Application
Printed Circuit Board Shown From Component Side

Printed Circuit Board Layout for
D01EEB306FD21TABH

Printed Circuit Board Layout for
D01EEB406FD21TABH

Printed Circuit Board Layout for
D01EEB904FD21UTABH

Printed Circuit Board Layout for
D02EEB315FD21TABH

Dimensions are in inches [mm]
Mounting Dimensions
Straight Contact Printed Circuit Board Application
Printed Circuit Board Shown From Component Side

Dimensions are in inches [mm]
### D Series

**Dimensions** are in inches [mm]

### Plating Reference

**Male Pins:**
- T = 10µin gold (min) over nickel
- TH = 50µin gold (min) over nickel

**Female Sockets:**
- TAH = 50µin gold (min) over nickel on mating surface, gold flash over nickel on termination
- TABH = 50µin gold (min) over nickel on mating surface, tin lead over nickel on termination (D & B only)

**NOTE:**
1) Check factory for availability.

---

### Ordering Information

**Connector Housing**

<table>
<thead>
<tr>
<th>D01</th>
<th>V</th>
<th>P</th>
<th>B</th>
<th>306</th>
<th>F</th>
<th>B</th>
<th>24</th>
<th>U</th>
<th>TABH</th>
</tr>
</thead>
</table>

**Color Code Indicator**

- D = Blue
- R = Red
- T = Orange
- V = Green
- W = White
- Y = Yellow

*Omit character if not required*

**Insulator**

- P = Plug
- EE = Receptacle panel mount
- EP = Receptacle cable mount

*EP Not available for 215/705 style*

**Main Body Color**

- B = Black

**Contact Arrangement**

- D01 3 Pin = 306
- D01 4 Pin = 406
- D01 9 Pin = 906
- D02 3 Pin = 315
- D02 7 Pin = 706

**Terminal Styles**

- B = Right angle (female printed circuit mount only)
- D = Straight (female printed circuit mount only)
- R = Crimp for 22-26 AWG (shipped unassembled)
- RR = Crimp for 18-20 AWG (D01/306 and D01/406 only. shipped unassembled)
- S = Solder cup (shipped unassembled)

*Leave blank for no contacts*

**Material**

*Omit for Polycarbonate

U = Polyetherimide

D01 904 and D02 2504 only*

**Contact Gender**

- M = Male
- F = Female
- N = No contacts

---

### D02 Coax or Power and Signal Ordering Information

**Connector Housing**

<table>
<thead>
<tr>
<th>D02</th>
<th>V</th>
<th>P</th>
<th>B</th>
<th>905</th>
<th>M</th>
<th>R</th>
<th>1C1</th>
<th>M</th>
<th>R</th>
<th>U</th>
<th>TH</th>
</tr>
</thead>
</table>

**Color Code Indicator**

*Omit character if not required*

**Insulator**

- P = Plug
- EE = Receptacle panel mount
- EP = Receptacle cable mount

**Color**

- B = Black

**Contact Arrangement**

- 905

**Signal Contact Gender**

- M = Male
- F = Female
- N = No signal contacts

**Terminal Styles**

- R = Crimp
- S = Solder
- N = No contacts

**Coax Contact Gender**

- M = Male
- F = Female
- N = No coax / power contacts

**Coaxial/Power Cable Type**

- 1C1 = RG316 (crimp)
- 1C2 = T-Flex 405, RG 405 (solder only, cannot be used with crimp)
- 1C3 = RG316DB
- 1P1 = 12 AWG

**Material**

U = Polyetherimide (black)

**Plating**

See Plating Reference

*Note: Color code indicators are custom order only. Components are polycarbonate material.*

---

**Dimensions are in inches [mm]**