### Printed Circuit Dip Solder Connector

#### FEATURES
- Right angle or straight through dip solder terminals
- Threaded mounting studs
- Male contacts molded in
- Mating connector has solder cup or dip solder terminals
- Female contacts float to aid in alignment and resist vibration
- Permanent mounting provides greater reliability
- Polarization provided by contact arrangement and guide pin location
- Meets applicable paragraphs of MIL-C-55302

#### MATERIAL SPECIFICATIONS
- **Contact Pin:** phosphor bronze
- **Contact Socket:** phosphor bronze
- **Contact Plating:** gold plated
- **Guide Pins:** stainless steel, passivated
- **Standard Body:** glass-filled diallyl phthalate per MIL-M-14, type SDG-F green; other body material supplied upon request

#### PHYSICAL SPECIFICATIONS
- **Number of Contacts:** 7, 15, 19, and 25
- **Contact Spacing:** 0.250", staggered rows provide a 0.125" grid
- **Contact Gauge:** #20 AWG
- **Minimum Creepage Path between Contacts:** 0.16"
- **Minimum Air Space between Contacts:** 0.11"

#### DIMENSIONS in inches (millimeters)

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>300PR</td>
<td><img src="image" alt="Dimensions Diagram" /></td>
</tr>
</tbody>
</table>

For technical questions, contact: connectors@vishay.com

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DIMENSIONS in inches (millimeters)

### 300S

- **7 CONTACTS**
  - Dimension A: 1.150 ± 0.015
  - Dimension B: 0.36
  - Dimension C: 1.450 ± 0.015
  - Dimension D: 9.14
  - Dimension E: 0.117
  - Dimension F: 0.125 ± 0.003
  - Dimension G: 2.97
  - Dimension H: 0.375
  - Panel Cutout: 0.125 ± 0.003
  - Solder Cup: #20 AWG

- **15 CONTACTS**
  - Dimension A: 2.150 ± 0.015
  - Dimension B: 0.36
  - Dimension C: 2.450 ± 0.015
  - Dimension D: 9.14
  - Dimension E: 0.117
  - Dimension F: 0.125 ± 0.003
  - Dimension G: 2.97
  - Dimension H: 0.375
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  - Solder Cup: #20 AWG

- **19 CONTACTS**
  - Dimension A: 2.650 ± 0.015
  - Dimension B: 0.36
  - Dimension C: 2.950 ± 0.015
  - Dimension D: 9.14
  - Dimension E: 0.117
  - Dimension F: 0.125 ± 0.003
  - Dimension G: 2.97
  - Dimension H: 0.375
  - Panel Cutout: 0.125 ± 0.003
  - Solder Cup: #20 AWG

- **25 CONTACTS**
  - Dimension A: 3.400 ± 0.015
  - Dimension B: 0.36
  - Dimension C: 3.700 ± 0.015
  - Dimension D: 9.14
  - Dimension E: 0.117
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  - Dimension G: 2.97
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### 300SE

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  - Dimension D: 9.14
  - Dimension E: 0.117
  - Dimension F: 0.125 ± 0.003
  - Dimension G: 2.97
  - Dimension H: 0.375
  - Panel Cutout: 0.125 ± 0.003
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  - Dimension H: 0.375
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  - Solder Cup: #20 AWG
**Note**

(1) 0.003" tolerance applies to contact to contact spacing, contact to mounting hole spacing has a tolerance of 0.035"

**ORDERING INFORMATION**

<table>
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<tr>
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<th>CONTACTS</th>
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<th>WITHOUT GUIDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>PR -7</td>
<td>-7</td>
<td>W</td>
</tr>
<tr>
<td>S = Socket with solder cup</td>
<td>PE = Pin with dip solder terminals</td>
<td>SE = Socket with dip solder terminals</td>
<td>PR = Pin with right angle dip solder terminals</td>
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