2.50mm Board-in Connector

The 2.50mm Board-in Connectors product line, designed for automotive and industrial applications, complies with major industry standards and features improved terminal pin position and wider operating temperature ranges.

Features and Advantages

- **Larger wire accommodation**: Adopts automotive wire specifications (FLRY 0.22mm², 0.35mm²)
- **One-piece molded housing**: Facilitates assembly; saves space; reduces material costs
- **Wider operating temperature range**: Meets automotive and industrial market needs
- **Crimp Terminal (existing)**: 35021-1001/1160
- **Improved terminal pin position**: Enables better assembly efficiency by operator
- **Compatible PCB hole and pattern**: Allows existing board-in connector customers to retain PCB pattern
- **New Housing Polyamide material**

Markets and Applications

- **Automotive**
  - Infotainment
  - Automotive lighting
- **Medical**
  - Patient monitoring
- **Industrial**
  - Factory machines
  - Power tools
  - Security systems
  - HVAC systems
- **Home Appliances**
  - White goods
- **White Goods**
- **Automotive Infotainment**
- **Patient Monitoring**
- **Security Systems**
- **Factory Machines**
- **Automotive Lighting**
2.50mm Board-in Connector

Specifications

**REFERENCE INFORMATION**
- Packaging:
  - Terminal: Reel
  - Housing: Bag
- Designed In: millimeters
- RoHS: Yes
- Halogen Free: Yes

**ELECTRICAL**
- Voltage (max.): 125V
- Current (max.): 3.0A
- Contact Resistance (max.): 5 milliohms
- Dielectric Withstanding Voltage: 1,000V AC (rms)
- Insulation Resistance (min.): 1,000 Megohms

**PHYSICAL**
- Housing: Polyamide (natural), ivory
- Terminal:
  - Brass (pre-plating)
  - Phosphor Bronze (post-plating)
- Applicable Wire: FLRY 0.22mm², 0.35mm²
- Resin Material: Nylon, UL94V-0
- Plating:
  - Contact Area — Tin-plated
- Operating Temperature: -40 to +125°C

Ordering Information

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<tr>
<th>Order number</th>
<th>Description</th>
<th>Packaging</th>
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<tbody>
<tr>
<td>212415-0200</td>
<td>2.50mm Board-in Connector Housing, 2 Circuit</td>
<td>Poly Bag</td>
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<td>212415-0300</td>
<td>2.50mm Board-in Connector Housing, 3 Circuit</td>
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<td>2.50mm Board-in Connector Housing, 5 Circuit</td>
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<td>212415-0600</td>
<td>2.50mm Board-in Connector Housing, 6 Circuit</td>
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Compute and solve the following: 5 + 3 = 8

www.molex.com/link/boardin.html