**Product Type:** Housing  
**Housing Type:** Plug  
**Connector System:** Wire-to-Board, Wire-to-Panel, Wire-to-Wire  
**Number of Positions:** 3  
**Centerline (Pitch):** 4.2 mm (.165 in)

### Features

<table>
<thead>
<tr>
<th><strong>Product Type Features</strong></th>
<th><strong>Housing</strong></th>
<th><strong>Plug</strong></th>
<th><strong>Wire-to-Board, Wire-to-Panel, Wire-to-Wire</strong></th>
<th><strong>No</strong></th>
<th><strong>Wire &amp; Cable</strong></th>
<th><strong>Socket</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Type</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Housing Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector System</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sealable</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Connector &amp; Contact Terminates To</strong></td>
<td>Wire &amp; Cable</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Contact Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

### Configuration Features

<table>
<thead>
<tr>
<th><strong>Number of Positions</strong></th>
<th>3</th>
</tr>
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<tbody>
<tr>
<td><strong>Number of Power Positions</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Number of Signal Positions</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Number of Rows</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Row-to-Row Spacing</strong></td>
<td>4.19 mm (.165 in)</td>
</tr>
</tbody>
</table>

### Electrical Characteristics

| **Operating Voltage** | 250 VDC |

### Contact Features

| **Contact Current Rating (Max)** | 9 A |
|**Contact Retention** | With |

### Termination Features

| **Termination Method to Wire & Cable** | Crimp |
### Mechanical Attachment

<table>
<thead>
<tr>
<th>Feature</th>
<th>Without</th>
<th>With</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Mount Feature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mating Retention</td>
<td></td>
<td>Positive Lock</td>
</tr>
<tr>
<td>Mating Retention Type</td>
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### Housing Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centerline (Pitch)</td>
<td>4.2 mm [.165 in]</td>
</tr>
<tr>
<td>UL Flammability Rating</td>
<td>UL 94V-0</td>
</tr>
<tr>
<td>Housing Color</td>
<td>Black</td>
</tr>
<tr>
<td>Housing Material</td>
<td>PA 66</td>
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</table>

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire Size</td>
<td>.12 – .8 mm²</td>
</tr>
<tr>
<td>Width</td>
<td>12.95 mm [.51 in]</td>
</tr>
<tr>
<td>Accepts Wire Insulation Diameter Range</td>
<td>2.92 mm [.115 in]</td>
</tr>
<tr>
<td>Height</td>
<td>12.95 mm [.51 in]</td>
</tr>
<tr>
<td>Length</td>
<td>21.34 mm [.84 in]</td>
</tr>
</tbody>
</table>

### Usage Conditions

<table>
<thead>
<tr>
<th>Condition</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-55 – 85 °C [-67 – 185 °F]</td>
</tr>
</tbody>
</table>

### Operation/Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Power &amp; Signal</th>
</tr>
</thead>
</table>

### Industry Standards

<table>
<thead>
<tr>
<th>Agency/Standard Number</th>
<th>E28476</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency/Standard</td>
<td>CSA, UL</td>
</tr>
<tr>
<td>UL Rating</td>
<td>Recognized</td>
</tr>
<tr>
<td>CSA File Number</td>
<td>LR7189</td>
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</table>

### Packaging Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging Method</td>
<td>Box</td>
</tr>
<tr>
<td>Packaging Quantity</td>
<td>2000</td>
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</table>

### Product Compliance

- EU RoHS Directive 2011/65/EU: Compliant
- EU ELV Directive 2000/53/EC: Compliant
<table>
<thead>
<tr>
<th>China RoHS 2 Directive MIIT Order No 32, 2016</th>
<th>No Restricted Materials Above Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(201)</td>
</tr>
<tr>
<td></td>
<td>Candidate List Declared Against: JUL</td>
</tr>
<tr>
<td></td>
<td>2019 (201)</td>
</tr>
<tr>
<td></td>
<td>1,6,7,8,9,14,15,16,17,18,18-</td>
</tr>
<tr>
<td></td>
<td>dodecachloropentacyclo</td>
</tr>
<tr>
<td></td>
<td>[12.2.1.16,9,02,13,05,10]octadeca-7,15-</td>
</tr>
<tr>
<td></td>
<td>diene (Dechlorane Plus) (20% in</td>
</tr>
<tr>
<td></td>
<td>Component Part)</td>
</tr>
<tr>
<td></td>
<td>(201)</td>
</tr>
<tr>
<td></td>
<td>Candidate List Declared Against: JUL</td>
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<tr>
<td></td>
<td>2019 (201)</td>
</tr>
<tr>
<td>Halogen Content</td>
<td>Not Low Halogen - contains Br or Cl &gt; 900 ppm.</td>
</tr>
<tr>
<td>Solder Process Capability</td>
<td>Wave solder capable to 240°C</td>
</tr>
</tbody>
</table>

**Product Compliance Disclaimer**

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DiBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’ (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

**Compatible Parts**

<table>
<thead>
<tr>
<th>TE Model / Part #</th>
<th>03P MR II CAP HSG V0 RED</th>
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<tbody>
<tr>
<td>1-640508-0</td>
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<tr>
<th>TE Model / Part #</th>
<th>03P MR HDR ASSY VO RED</th>
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<tr>
<th>TE Model / Part #</th>
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<tr>
<th>TE Model / Part #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1-640508-0</td>
<td></td>
</tr>
</tbody>
</table>

| For support call +1 800 522 6752 | 01/11/2020 03:03PM | Page 3 |
Also in the Series

**AMP MR**

- Board-to-Board Connector Housings (3)
- Board-to-Board Jumpers & Shunts (4)
- Power Cable Assemblies (1)
- Rectangular Power Connectors (12)

Wire-to-Board Connector Housings (13)

Customers Also Bought

- TE Model / Part #2063388-1 TOOL, EXTRACTION
- TE Model / Part #1-640508-0 03P MR II CAP HSG V0 RED
- TE Model / Part #5747223-3 AMPLI FEM S'LOCK KIT
- TE Model / Part #747784-8 JACKSCREW KIT,4-40, BULK
- TE Model / Part #2063388-1 STRAIN RELIEF W/SCREW RET KIT
- TE Model / Part #1-640517-0 02P MR II PLUG HSG V0 RED
- TE Model / Part #1-640518-0 04P MR II PLUG HSG V0 RED
- TE Model / Part #641300-1 MR RECPT PTPHBZ LP 26-18
Agency Approvals

Agency Approval Document

English