AMP | MCON Interconnection System

TE Internal #: 1801600-1

MCON Interconnection System, Housing for female terminals, Wire-to-Wire, 10 Position, 4.5mm [.177in] Centerline, Sealable, Black, Signal

For support call +1 800 522 6752

Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > MCON, CONNECTOR HOUSING

Connector Style: Housing for female terminals
Mating Tab Width: 1.2 mm [.047 in]
Connector System: Wire-to-Wire
Number of Positions: 10
Centerline (Pitch): 4.5 mm [.177 in]

All MCON, CONNECTOR HOUSING (284)

Features

Product Type Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Style</td>
<td>Housing for female terminals</td>
</tr>
<tr>
<td>Connector System</td>
<td>Wire-to-Wire</td>
</tr>
<tr>
<td>Sealable</td>
<td>Yes</td>
</tr>
<tr>
<td>Hybrid Connector</td>
<td>No</td>
</tr>
<tr>
<td>Primary Locking Feature</td>
<td>On the Terminal</td>
</tr>
<tr>
<td>Strain Relief</td>
<td>No</td>
</tr>
<tr>
<td>Row-to-Row Spacing</td>
<td>4.5 mm [.177 in]</td>
</tr>
</tbody>
</table>

Configuration Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Positions</td>
<td>10</td>
</tr>
<tr>
<td>Number of Rows</td>
<td>2</td>
</tr>
</tbody>
</table>

Electrical Characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Voltage Architecture</td>
<td>12 V</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>16 VDC</td>
</tr>
</tbody>
</table>

Body Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Exit Angle</td>
<td>180°</td>
</tr>
<tr>
<td>Body Material</td>
<td>PBT GF</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
</tbody>
</table>
## Contact Features
- **Mating Tab Width**: 1.2 mm [.047 in]

## Mechanical Attachment
- **Terminal Position Assurance**: Yes
- **Mounting Feature**: Without
- **Polarized**: Yes

## Housing Features
- **Centerline (Pitch)**: 4.5 mm [.177 in]

## Dimensions
- **Height**: 23.5 mm [.925 in]
- **Length**: 32.6 mm [1.283 in]
- **Width**: 26.65 mm [1.049 in]

## Usage Conditions
- **Operating Temperature Range**: -40 – 150 °C [-40 – 302 °F]

## Operation/Application
- **Circuit Application**: Signal

## Industry Standards
- **Degree of Protection**: IP67, IP69K
- **UL Flammability Rating**: UL 94-HB

## Packaging Features
- **Packaging Method**: Box
- **Packaging Quantity**: 600

## Other
- **Serviceable**: Yes
- **Connector Position Assurance Capable**: Yes

## Product Compliance
For compliance documentation, visit the product page on TE.com>

- **EU RoHS Directive 2011/65/EU**: Compliant
- **EU ELV Directive 2000/53/EC**: Compliant
- **China RoHS 2 Directive MIIT Order No 32, 2016**: No Restricted Materials Above Threshold

For support call +1 800 522 6752
EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUL 2019 (201)
Candidate List Declared Against: JUL 2017 (174)
Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUL 2019 (201)
Candidate List Declared Against: JUL 2017 (174)

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

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

TE Model / Part # CAT-M4595-T273
MCON, RECEPTACLE AND TAB

TE Model / Part # CAT-M4595-CH8172
MCON, CONNECTOR HOUSING

TE Model / Part # 963143-1
MQS BLINDSTOPFEN

Also in the Series | MCON Interconnection System
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