TE Internal #: 6-2385846-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device /

Wire-to-Wire, 39 Position, .197 in [5 mm] Centerline, Sealable,

Brown, Signal

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Connectors > Automotive Connectors > Automotive Housings











Connector System: Wire-to-Board, Wire-to-Device, Wire-to-Wire

Number of Positions: 39

Connector & Housing Type: Housing for Female Terminals

Centerline (Pitch): 5 mm [.197 in]

Sealable: Yes

Features

Product Type Features

| Mixed & Hybrid Connector | No |
|------------------------------|-------------------------------------------------|
| Connector Shape | Rectangular |
| Connector System | Wire-to-Board, Wire-to-Device, Wire-to- Wire |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | On the Terminal |
| Configuration Features | |
| Number of Positions | 39 |
| Number of Rows | 3 |
| Electrical Characteristics | |
| Operating Voltage | 36 VDC |
| Nominal Voltage Architecture | 12 V, 24 V |

90°

Body Features

Cable Exit Angle



| Primary Product Color | Brown |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector & Keying Code | F |
| Contact Features | |
| Contact Size | 2.8mm |
| Contact Type | Receptacle |
| Mating Tab Width | 2.8 mm[.11 in] |
| Mechanical Attachment | |
| Terminal Position Assurance | Yes |
| Strain Relief | With |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Housing Features | |
| Housing Material | PBT GF20 |
| Centerline (Pitch) | 5 mm[.197 in] |
| Dimensions | |
| Connector Height | 44 mm[1.732 in] |
| Product Width | 46 mm[1.811 in] |
| Product Length | 120.5 mm[4.744 in] |
| Row-to-Row Spacing | 5.5 mm[.217 in] |
| Usage Conditions | |
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 ° F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F] |
| Operating Temperature Range | -40 - 120 °C[-40 - 248 °F] |
| Operation/Application | |
| Circuit Application | Signal |
| Other | |
| 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 |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



Documents

Product Drawings

AMP MCP2.8 RECEPTACLE HSG.,39POS.,ASSY

English

CAD Files

Customer View Model

ENG_CVM_CVM_6-2385846-1_A.3d_stp.zip

English

Customer View Model

Housing for Female Terminals, Wire-to-Board / Wire-to-Device / Wire-to-Wire, 39 Position, .197 in [5 mm] Centerline, Sealable, Brown, Signal



ENG_CVM_CVM_6-2385846-1_A.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2385846-1_A.2d_dxf.zip

English

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