# 1-1801178-6 ✔ ACTIVE

TE Internal #: 1-1801178-6

12 V, 3 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.33 mm [.13 in] Centerline, Sealable, Brown, Wire & Cable, Power

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **3**

Sealable: **Yes**

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

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | On the Terminal |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 3 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 16 VDC |
| Nominal Voltage Architecture | 12 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Brown |
| Connector & Keying Code | 6 |

## Contact Features

| | |
|---|---|
| Contact Size | 1.5mm |
| Contact Type | Receptacle |
| Mating Tab Width | 1.5 mm[.06 in] |
| Contact Current Rating (Max) | 16 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Add By Accessory |
| Terminal Position Assurance | Yes |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF |
| Centerline (Pitch) | 3.33 mm[.13 in] |

## Dimensions

| | |
|---|---|
| Product Width | 39.05 mm[1.53 in] |
| Product Length | 21.33 mm[.839 in] |
| Connector Height | 19.65 mm[.773 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 150 °C[-40 – 302 °F] |
| Operating Temperature (Max) | 150 °C[302 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| IP Rating | IP69K |
| UL Flammability Rating | UL 94HB |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 528 |
| Packaging Method | Box |

## Other

| | |
|---|---|
| Serviceable | No |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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 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



TE Part # 1801468-1
COVER, ROTATIVE, 3 WAY HP CONNECTOR



TE Part # 1-1801168-5
COVER FOR 3W HP CONNECTOR



TE Part # 1-1579008-0
EXTRACTION TOOL TO OPEN SECONDARY LOCK



TE Part # 1801467-1
COVER, FIXED, 3 WAY HP CONNECTOR



TE Part # CAT-AM706-T273
AMP MCP, SFC, RECEPTACLE



TE Part # 6-1579018-2
EXTRACTION TOOL



TE Part # 1801177-6
3W TAB CONNECTOR HP BROWN



TE Part # 1-1801467-1
COVER, FIXED, 3 WAY HP CONNECTOR



TE Part # 1-1801467-2
COVER, FIXED, 3 WAY HP CONNECTOR



TE Part # 1801168-5
COVER FOR 3W HP CONNECTOR

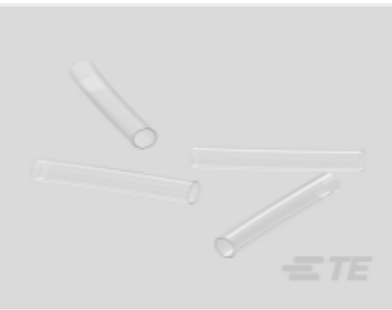


TE Part # 1801359-1
ADAPTER, ROTATIVE COVER FOR 3W CONN



TE Part # 1801467-2
COVER, FIXED, 3 WAY HP CONNECTOR

## Customers Also Bought



TE Part #NB15964001
RT-375-1/4-X-SP



TE Part #SRK06-MDC-32A-001
PLG, 32P, BLK, E, C




TE Part #CM1842-000
VERSAFIT-1/2-0-16IN



TE Part #1-1703938-1
COVER,90,ASSY



TE Part #CAT-M8793-CH8172
MQS, CONNECTOR HOUSING



TE Part #1801176-6
2W RECEPTACLE HPSL CONNECTOR BROWN



TE Part #1-1801178-8
3W RECEPTACLE HP CONNECTOR RED




TE Part #2-1803143-2
CRIMPER, INSULATION O

TE Part #2119641-2
FEED CAM, AIR FEED

## Documents

## Product Drawings

3W RECEPTACLE HP CONNECTOR BROWN

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_1-1801178-6_F.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-1801178-6_F.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-1801178-6_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Product Specifications

Product Specification

English

## Instruction Sheets

Instruction Sheet (non U.S.)

English