

1-1801178-3 ✓ ACTIVE



Sensor Flat Contact System

TE Internal #: 1-1801178-3

Housing for Female Terminals, Wire-to-Wire, 3 Position, .131 in [3.33 mm] Centerline, Sealable, Gray, Signal, Sensor Flat Contact System

[View on TE.com >](#)

Connectors > Automotive Connectors > Connector Housings



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

Mating Tab Width: **.64 mm, 1.5 mm [.025 in, .059 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **3**

Centerline (Pitch): **3.33 mm [.131 in]**

Features

Product Type Features

| | |
|---------------------------|------------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | Integrated in Housing |

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° |
|------------------|------|



| | |
|-----------------------|--------|
| Body Material | PBT GF |
| Primary Product Color | Gray |
| Connector Code | 3 |

Contact Features

| | |
|------------------|-----------------------------------|
| Contact Size | 1.5mm |
| Contact Type | Receptacle |
| Mating Tab Width | .64 mm, 1.5 mm [.025 in][.059 in] |

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Mounting Feature | Without |
| Terminal Position Assurance | Yes |
| Strain Relief | Add By Accessory |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 3.33 mm [.131 in] |
|--------------------|-------------------|

Dimensions

| | |
|----------------|--------------------|
| Product Width | 35.05 mm [1.38 in] |
| Product Length | 21.33 mm [.84 in] |
| Product Height | 19.65 mm [.773 in] |

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F] |
| Operating Temperature Range | -40 – 150 °C [-40 – 302 °F] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|---------|
| Degree of Protection | IP69K |
| UL Flammability Rating | UL 94HB |

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 |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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 # CAT-AM706-T273
AMP MCP, SFC, RECEPTACLE



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



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



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



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 # 1801177-3
3W TAB CONNECTOR HP GREY



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



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

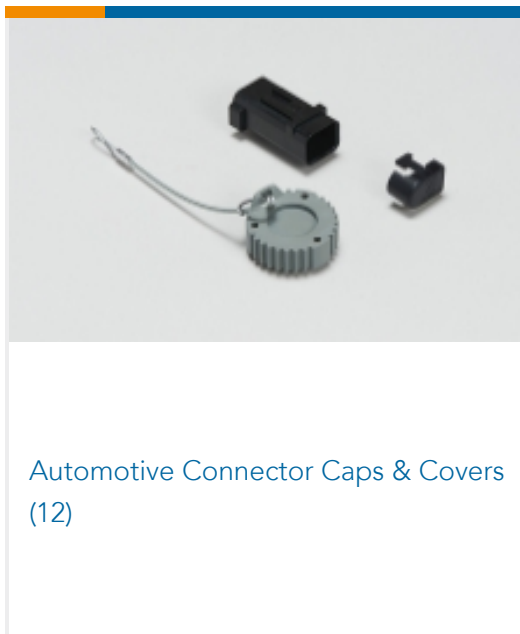


TE Part # 1801468-1
COVER, ROTATIVE, 3 WAY HP CONNECTOR

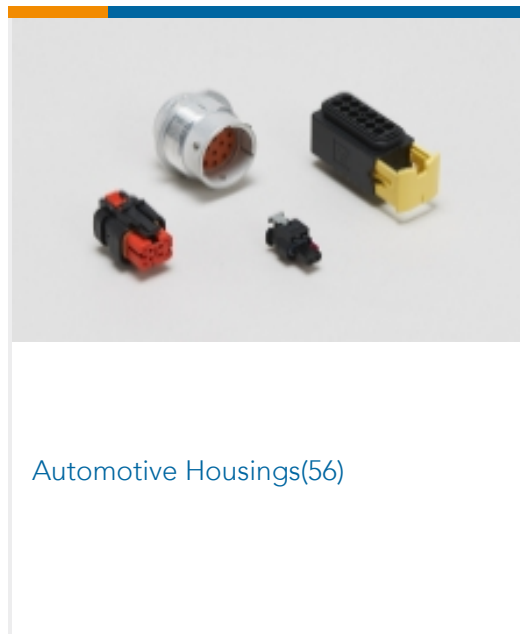


TE Part # 6-1579018-2
EXTRACTION TOOL

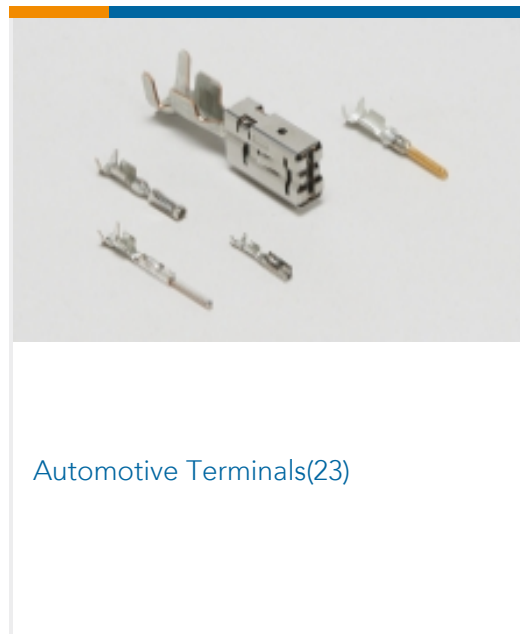
Also in the Series | Sensor Flat Contact System



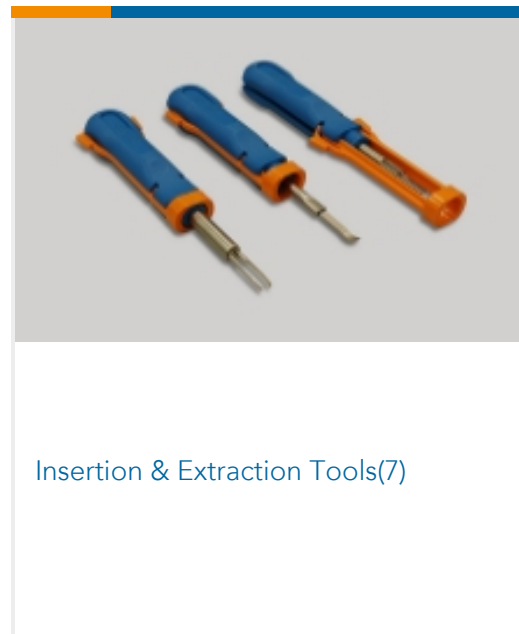
Automotive Connector Caps & Covers (12)



Automotive Housings(56)



Automotive Terminals(23)



Insertion & Extraction Tools(7)

Customers Also Bought



TE Part #1-1718562-1
REC. HSG.,4POSN.,RAD.SEAL,AMP MCP2.8K



TE Part #881757-1
2P JR TIMER ASS'Y



TE Part #1-1801175-2
2W RECEPTACLE HP CONNECTOR BLUE



TE Part #1544978-2
RECEPT HSG ASSY, 8MM NG1+, 2W, SEALED



TE Part #1801176-5
2W RECEPTACLE HP SL CONNECTOR GREEN



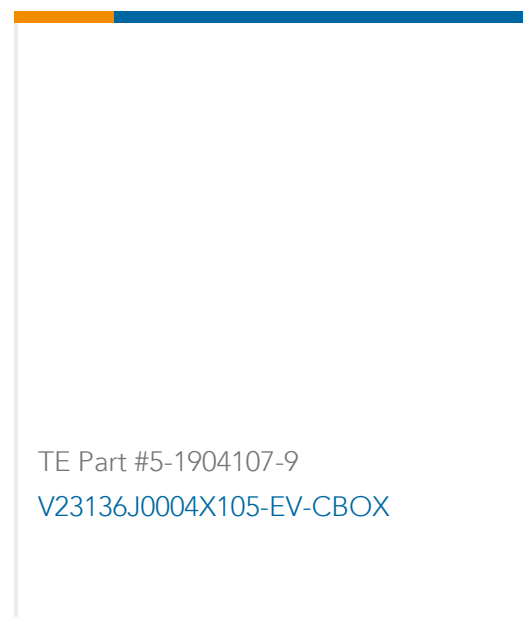
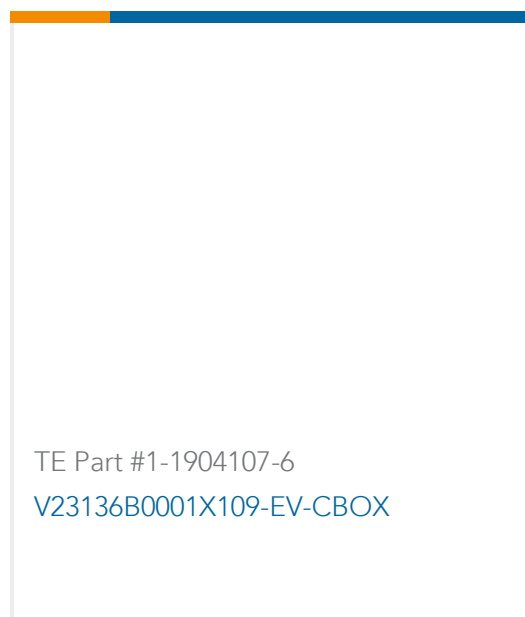
TE Part #1801178-3
3W RECEPTACLE HP CONNECTOR GREY



TE Part #CD41663001
ACW0219-1.00-60(NS)



TE Part #1544221-1
COSSE DE PUISSANCE



Documents

Product Drawings

[3W RECEPTACLE HP CONNECTOR GREY](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1801178-3_F.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1801178-3_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1801178-3_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