

1823174-1 ✓ ACTIVE

### Sensor Flat Contact System

TE Internal #: 1823174-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 2 Position, .131 in [3.33 mm] Centerline, Sensor Flat Contact System

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Connectors > Automotive Connectors > Connector Housings



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

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

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

Number of Positions: **2**

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

### Features

#### Product Type Features

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

#### Configuration Features

Number of Positions	2
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	14 VDC
Nominal Voltage Architecture	12 V

#### Body Features



Cable Exit Angle	180°
Body Material	PBT GF
Primary Product Color	Black
Connector Code	1

### Contact Features

Contact Size	1.5mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm[.059 in]

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	3.33 mm[.131 in]
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### Dimensions

Product Width	31.15 mm[1.226 in]
Product Length	18 mm[.709 in]
Product Height	19.65 mm[.774 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
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### Other

Serviceable	Yes
Connector Position Assurance Capable	No



## 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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 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 # 1801174-1  
2W TAB HP CONNECTOR BLACK



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



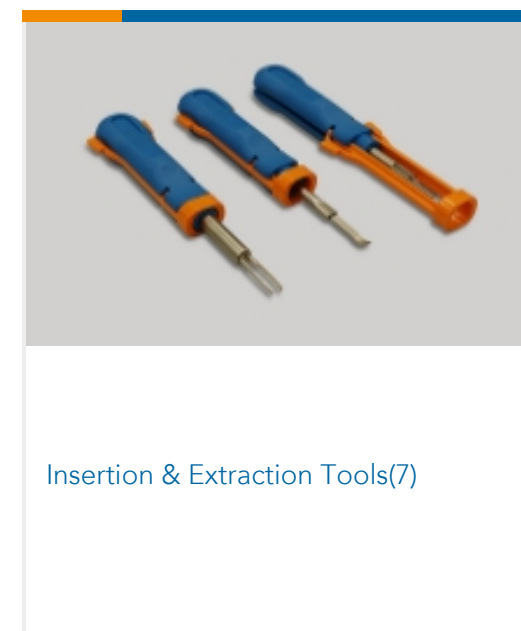
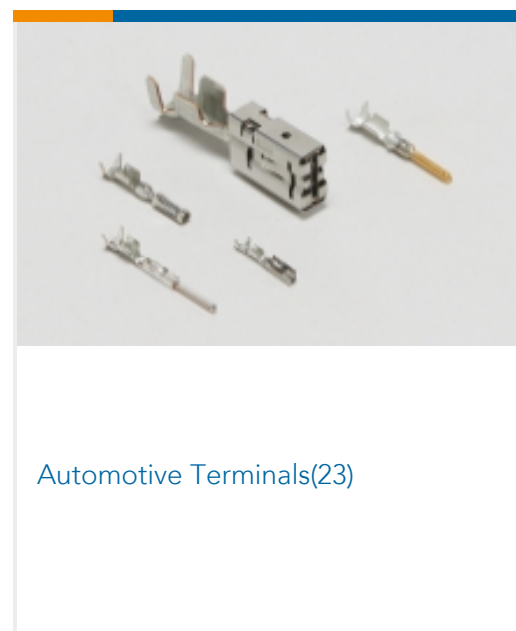
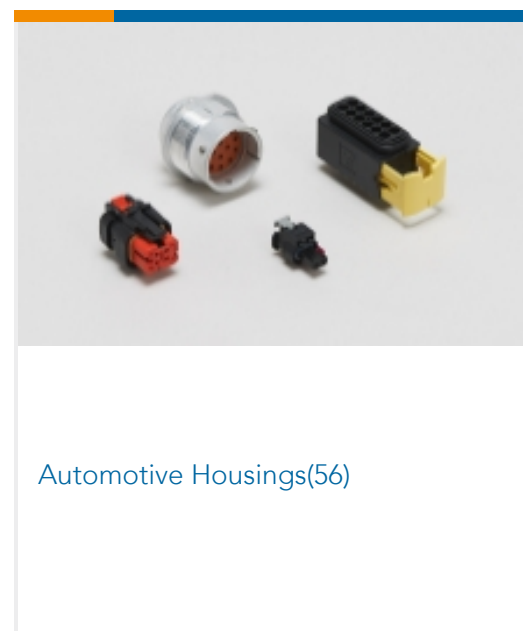
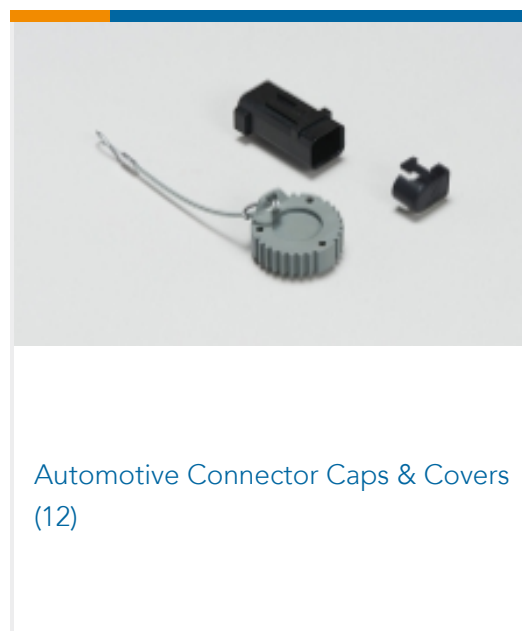
TE Part # 1801155-5  
COVER FOR 2W HP CONNECTOR



TE Part # 1-1801155-5  
COVER FOR 2W HP CONNECTOR



## Also in the Series | Sensor Flat Contact System



## Documents

### Product Drawings

2POS,1.5MM SFC,REC HSG,ASSY,SEALED

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1823174-1\\_B.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1823174-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1823174-1\\_B.3d\\_stp.zip](#)

English



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[Product Specifications](#)

[Application Specification](#)

English