

Sensor Flat Contact System

TE Internal #: 1801175-1
Housing for Female Terminals, Wire-to-Wire, 2 Position, 3.33 mm [.131 in] Centerline, Sealable, Black, Wire & Cable, Sensor Flat Contact System

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Wire**
Number of Positions: **2**
Connector & Housing Type: **Housing for Female Terminals**
Centerline (Pitch): **3.33 mm [.131 in]**
Sealable: **Yes**

Features

Product Type Features

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

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	16 VDC
Nominal Voltage Architecture	16 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	1

Contact Features



Contact Size	1.5mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm[.06 in]
Contact Current Rating (Max)	8 A

Mechanical Attachment

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

Housing Material	PBT GF
Centerline (Pitch)	3.33 mm[.131 in]

Dimensions

Connector Height	19.85 mm[.782 in]
Product Width	35.05 mm[1.38 in]
Product Length	18 mm[.709 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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Industry Standards

Degree of Protection	IP69K
UL Flammability Rating	UL 94HB

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

 <p>TE Part # CAT-AM706-T273 AMP MCP, SFC, RECEPTACLE</p>	 <p>TE Part # 1801174-1 2W TAB HP CONNECTOR BLACK</p>	 <p>TE Part # 1801155-5 COVER FOR 2W HP CONNECTOR</p>	 <p>TE Part # 1-1579008-0 EXTRACTION TOOL TO OPEN SECONDARY LOCK</p>
 <p>TE Part # 1-1801155-5 COVER FOR 2W HP CONNECTOR</p>	 <p>TE Part # 1-1801356-1 ROTATIVE COVER, RIGHT ANGLE, 2W HP CONN</p>	 <p>TE Part # 1-1801466-1 COVER, FIXED, 2 WAY HP CONNECTOR</p>	 <p>TE Part # 1801356-1 ROTATIVE COVER, RIGHT ANGLE, 2W HP CONN</p>



TE Part # 1801466-1
COVER, FIXED, 2 WAY HP CONNECTOR

TE Part # 1801466-2
COVER, FIXED, 2 WAY HP CONNECTOR

TE Part # 6-1579018-2
EXTRACTION TOOL

TE Part # 1-1801466-2
COVER, FIXED, 2 WAY HP CONNECTOR

TE Part # 1801153-1
RECEPTACLE HOUSING 2W HP

TE Part # 1801154-1
SEC. LOCK. DEVICE FOR 2W RCPT HSG BLACK

Also in the Series | Sensor Flat Contact System

Automotive Connector Caps & Covers (9)

Automotive Housings(42)

Automotive Terminals(18)

Insertion & Extraction Tools(7)

Customers Also Bought

TE Part #1379729-2
MQS, CONNECTOR HOUSING

TE Part #1379659-1
8W PLUG HOUSING ASSY BLAC

TE Part #1670326-3
1.5MM SFC,CONTACT

TE Part #1801175-3
2W RECEPTACLE HP CONNECTOR GREY

TE Part #1379101-5
COV+LEV MQS 18W 90DEG GREEN

TE Part #1379917-1
20POS MIXED MQS REC

TE Part #1801176-4
2W RECEPTACLE HP SL CONNECTOR YELLOW

TE Part #1801178-2
3W RECEPTACLE HP CONNECTOR BLUE



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

Documents

Product Drawings

2W RECEPTACLE HP CONNECTOR BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1801175-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1801175-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1801175-1_E.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