1801174-1 ✔ ACTIVE

Sensor Flat Contact System

TE Internal #: 1801174-1

12 V / 24 V / 48 V, 2 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 3.33 mm [.131 in] Centerline, Sensor Flat Contact System

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **2**

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 Male Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180 °

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Primary Product Color	Black
Connector & Keying Code	1

Contact Features

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

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF15
Centerline (Pitch)	3.33 mm[.131 in]

Dimensions

Product Width	17.4 mm[.685 in]
Product Length	55.8 mm[2.197 in]
Connector Height	17.6 mm[.693 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	IPX9K
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1260
Packaging Method	Box

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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 6-1579018-2
EXTRACTION TOOL



TE Part # 2141502-8
2POS,1.5MM SFC,REC HSG,ASSY, SEALED,RD



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

TE Part # 1801158-1
RECEPTACLE HSG 2W SPRING LOCK

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



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



TE Part # 1-1801356-1
ROTATIVE COVER, RIGHT ANGLE, 2W HP CONN



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



TE Part # 1801356-1
ROTATIVE COVER, RIGHT ANGLE, 2W HP CONN



TE Part # 1823174-2
2POS,1.5MM SFC,REC HSG,ASSY, SEALED



TE Part # 1-1823174-8
2POS,1.5MM SFC,REC HSG ASSY,SLD

TE Part # 2-1801150-1
TAB HOUSING 2 W HP BLACK



TE Part # 1823174-1
2POS,1.5MM SFC,REC HSG,ASSY, SEALED



TE Part # 2141502-1
2POS,1.5MM SFC,REC HSG,ASSY, SEALED,BK



TE Part # CAT-N10-RC4815
48V Ready 1.5mm Sealed Connectors



TE Part # 1-1579008-3
EXTRACTION TOOL



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

TE Part # 1801159-1
SECONDARY LOCK DEVICE FOR 2W TAB HOUSING



TE Part # 1-1823174-5
2POS,1.5MM SFC,REC HSG ASSY,SLD



TE Part # 2-1801153-1
RECEPTACLE HOUSING 2W HP

Also in the Series | Sensor Flat Contact System



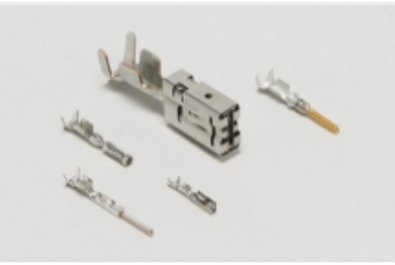
Automotive Connector Caps & Covers (9)



Automotive Housings(50)



Automotive Signal & Power Connector Housings(50)



Automotive Terminals(18)

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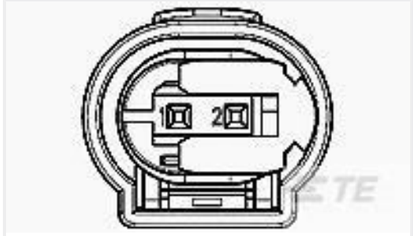


Insertion & Extraction Tools(7)

Customers Also Bought



TE Part #953122-4
40W MQS COVER ASSY (15d)



TE Part #2-967644-1
2POS MQS REC SEALED COD B



TE Part #1-1437709-1
106009/106010=TERMINAL MALE CR



TE Part #1-1437713-1
106099=GROMMET BLACK



TE Part #1801174-2
2W TAB HP CONNECTOR BLUE



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



TE Part #2272633-2
CU ALLOY,OUTER FERRULE,COAX



TE Part #2-2312192-1
1P,MATE-AX,SOC HSG ASSY,SLD, COD A,180



TE Part #2-2380551-0
FAKRA AUT,SOC HSG ,SLD,180DEG, COD Z



TE Part #1-2434680-1
2POS,MQS,TAB HSG,COD A

Documents

Product Drawings

2W TAB HP CONNECTOR BLACK

English

CAD Files

Customer View Model

ENG_CVM_CVM_1801174-1_B.2d_dxf.zip

English

3D PDF

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3D

Customer View Model

ENG_CVM_CVM_1801174-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1801174-1_B.3d_stp.zip

English

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Product Specifications

Product Specification

English

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