

Sealed Sensor Connector SSC System

TE Internal #: 2050049-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Wire / Wire-to-Device, 3 Position, Sealable, Other, Signal, Sealed Sensor

Connector SSC System

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Connectors > Automotive Connectors > Connector Housings



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

Mating Tab Width: **2.8 mm [ .11 in ]**

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

Number of Positions: **3**

Sealable: **Yes**

Features

Product Type Features

Connector & Housing 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	On the Terminal

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V

Body Features



Cable Exit Angle	180°
Body Material	Other
Primary Product Color	Other
Connector Code	I

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Product Width	30 mm[1.181 in]
Product Length	30.5 mm[1.201 in]
Product Height	20.1 mm[.791 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	600
Packaging Method	Box

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: 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 # 828905-1  
SINGLE-WIRE-SEAL(5MM HOLE)



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



TE Part # 828904-1  
SINGLE WIRE SEAL FOR J.P.T.CON

Also in the Series | Sealed Sensor Connector SSC System



Automotive Connector Caps & Covers (7)

Automotive Connector Locks & Position Assurance(6)

Automotive Housings(178)

Automotive Seals & Cavity Plugs(3)

Automotive Terminals(8)

Insertion & Extraction Tools(1)

Other Automotive Connector Accessories(7)

Customers Also Bought

TE Part #2050046-4  
2POS 2.8MM SENSOR PLUG ASSY.

TE Part #2050832-2  
COVER FOR 3P SENSOR CONNECTOR

TE Part #1452997-1  
76 POS 2-NDRAY LOCK BIG

TE Part #2137753-1  
Cover for 60P ECU connector

TE Part #936111-1  
2.8mm Sealed 2P Cover

TE Part #2050780-2  
COVER FOR 4P SENSOR CONNECTOR

TE Part #2050831-2  
JCOVER FOR 2P SENSOR CONNECTOR

TE Part #2137752-1  
Lever for 154P ECU connector

TE Part #2050992-1  
SEALED JPT HOUSING ASSEMBLY, 10P

TE Part #9-2208738-9  
PLATE,FAMILY SEAL COVER,105POS

Documents



Product Drawings

3POS 2.8MM SENSOR PLUG ASSY

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2050049-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2050049-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2050049-1\_A.3d\_stp.zip

English

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