1903611-4 ✔ ACTIVE

AMP | 0.50 Connector System

TE Internal #: 1903611-4

Housing for Female Terminals, Wire-to-Board, 12 Position, Natural, Signal, Cable Mount (Free-Hanging), 0.50 Connector System

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > 0.50 CONNECTOR SYSTEM, CONNECTOR HOUSING







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

Number of Positions: **12**

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

Sealable: **No**

Mating Tab Width: **.5 mm [.02 in]**

All 0.50 CONNECTOR SYSTEM, CONNECTOR HOUSING (24)

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	1

Body Features

Cable Exit Angle	180°
Primary Product Color	Natural

Contact Features

Contact Size	.5mm
Contact Type	Receptacle
Mating Tab Width	.5 mm[.02 in]

Mechanical Attachment

Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT

Usage Conditions

Operating Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-30 - 85 °C[-22 - 185 °F]

Operation/Application

Circuit Application	Signal

Other

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 1827855-3
0.50 SERIES CONNECTER RECEPTACLE CONTACT



TE Part # 1827855-4
0.50 SERIES CONNECTER RECEPTACLE CONTACT



TE Part # 1827855-1
0.50 SERIES CONNECTER RECEPTACLE CONTACT



TE Part # 1827855-2
0.50 SERIES CONNECTER RECEPTACLE CONTACT

Also in the Series | 0.50 Connector System



Automotive Connector Caps & Covers (20)



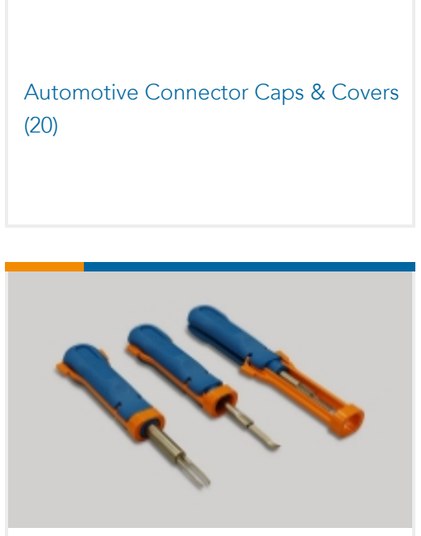
Automotive Housings(52)



Automotive Terminals(14)



Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(37)

Customers Also Bought



TE Part # 172142-3
EIS LOW PROFILE HSG 3P NATURAL



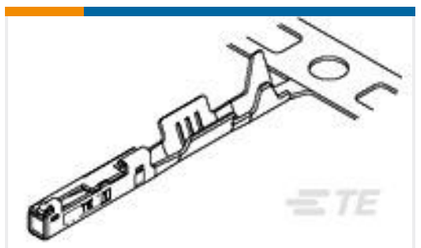
TE Part # 41800
250 FASTON FLAG REC 18-12 AWG TPBZ



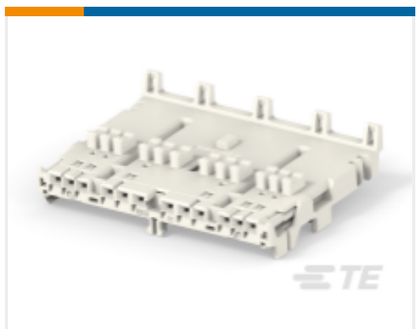
TE Part # 1376103-1
TH/.025 CONNECTOR SYSTEM, HOUSING



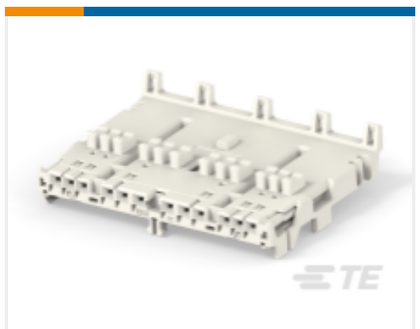
TE Part # 1903611-6
0.50 SERIES CONN 12POS PLUG HOUSING ASSY



TE Part # 1827855-1
0.50 SERIES CONNECTER RECEPTACLE CONTACT



TE Part # 1903608-1
0.50 SERIES CONN 12POS PLUG HOUSING ASSY



TE Part # 1903608-4
0.50 SERIES CONN 12POS PLUG HOUSING ASSY



TE Part # 2069748-2
0.64II CONNECTOR 1ROW 4POS PLUG HOUSING

Documents

Product Drawings

0.50 SERIES CONN 12POS PLUG HOUSING ASSY

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1903611-4_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1903611-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1903611-4_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

0.50 Series Connectors

English

Product Specifications

Product Specification

Japanese

Product Specification

Japanese

Product Specification

English

Product Specification

Japanese

Instruction Sheets

0.50/1.5 HYBRID SERIES UNSEALED CONNECTOR (SMT-TYPE)

English

Instruction Sheet (U.S.)

English