

1903614-1 ✓ ACTIVE

AMP | 0.50 Connector System

TE Internal #: 1903614-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 6
Position, 1.6 mm [.063 in] Centerline, Natural, Signal, 0.50
Connector System

[View on TE.com >](#)



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



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

Number of Positions: **6**

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

Centerline (Pitch): **1.6 mm [.063 in]**

Sealable: **No**

[All 0.50 CONNECTOR SYSTEM, CONNECTOR HOUSING \(21\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	6
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Housing Features

Centerline (Pitch)	1.6 mm[.063 in]
Housing Material	PBT

Contact Features



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

Body Features

Primary Product Color	Natural
Cable Exit Angle	180°

Operation/Application

Circuit Application	Signal
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Mechanical Attachment

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

Usage Conditions

Operating Temperature (Max)	80 °C, 85 °C, 75 °C, 70 °C[158 °F][167 °F] [176 °F][185 °F]
Operating Temperature Range	-30 – 85 °C[-22 – 185 °F]

Electrical Characteristics

Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Other

Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Serviceable	Yes

Dimensions

Product Width	29.9 mm[1.177 in]
Product Length	16.3 mm[.642 in]
Connector Height	7.5 mm[.295 in]

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Method	Box & Tray
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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: 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 # CAT-HPCH5372
High Pin Count Header



TE Part # 1827855-3
0.50 SERIES CONNECTER
RECEPTACLE CONTACT



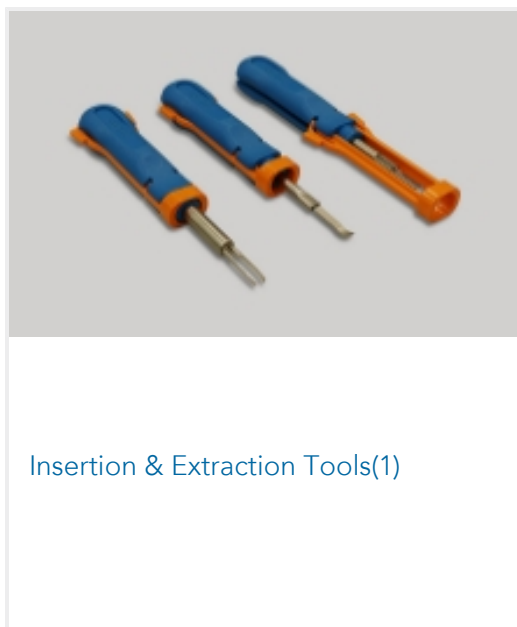
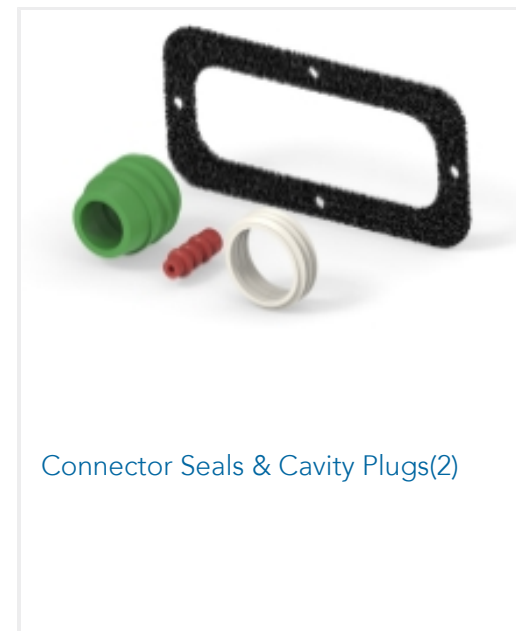
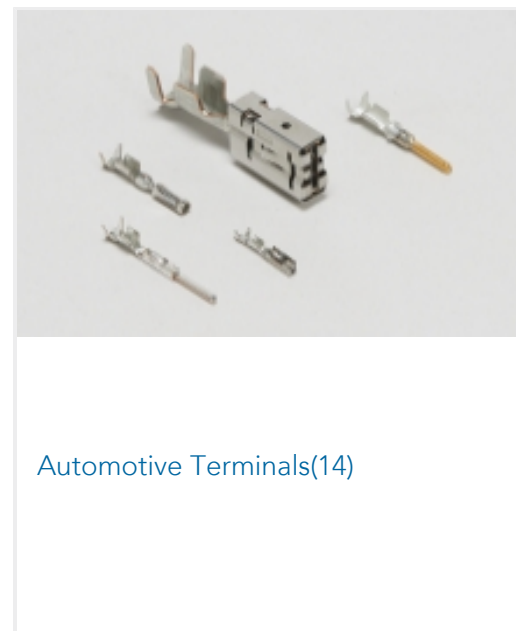
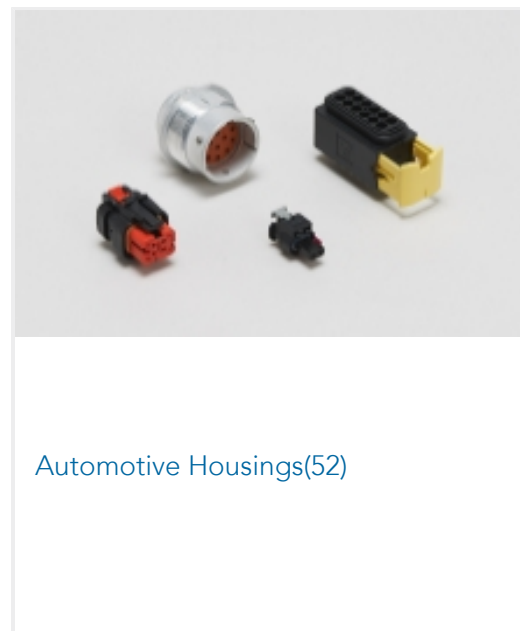
TE Part # 1827855-4
0.50 SERIES CONNECTER
RECEPTACLE CONTACT



TE Part # 1827855-1
0.50 SERIES CONNECTER
RECEPTACLE CONTACT



Also in the Series | 0.50 Connector System



Customers Also Bought





Documents

Product Drawings

0.5 6POS LOCK HOUSING

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1903614-1_D_c-1903614-1-d.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903614-1_D_c-1903614-1-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903614-1_D_c-1903614-1-d.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

0.50 Series Connectors

English

Product Specifications

Product Specification

English

Product Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

Instruction Sheet (non U.S.)

Japanese