

1903614-1 ✓ ACTIVE

AMP | 0.50 Connector System

TE Internal #: 1903614-1

6 Position Housing, Housing for Female Terminals, Wire-to-Board /  
Wire-to-Device, 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



Number of Positions: 6

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

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

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

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

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	6
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### Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

### Body Features



Cable Exit Angle	180°
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Primary Product Color	Natural
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### Contact Features

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

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

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

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

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

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Method	Box & Tray
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### Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

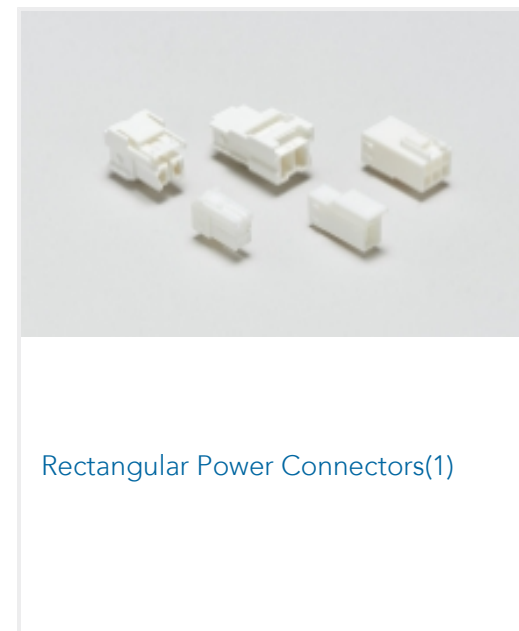
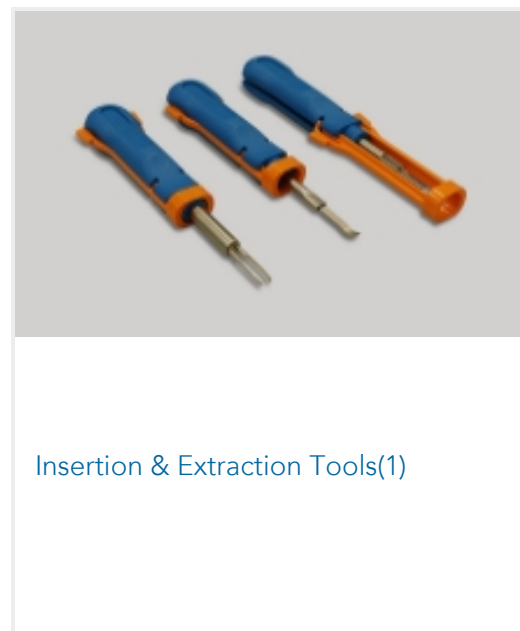
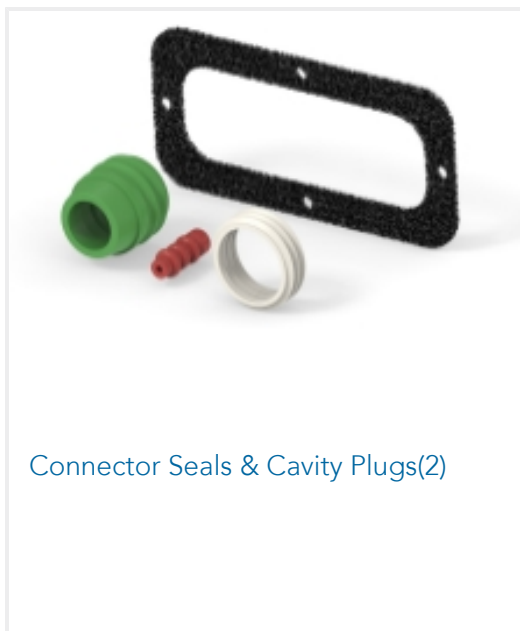
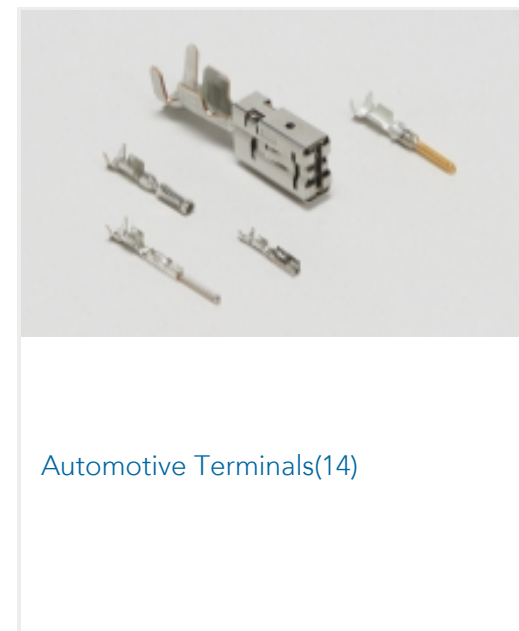
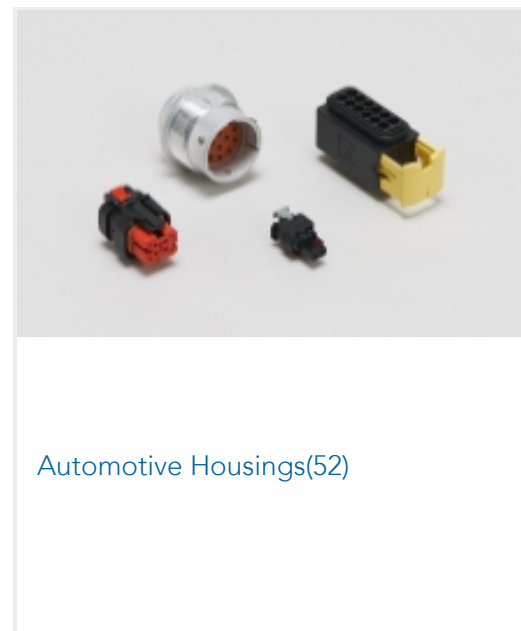
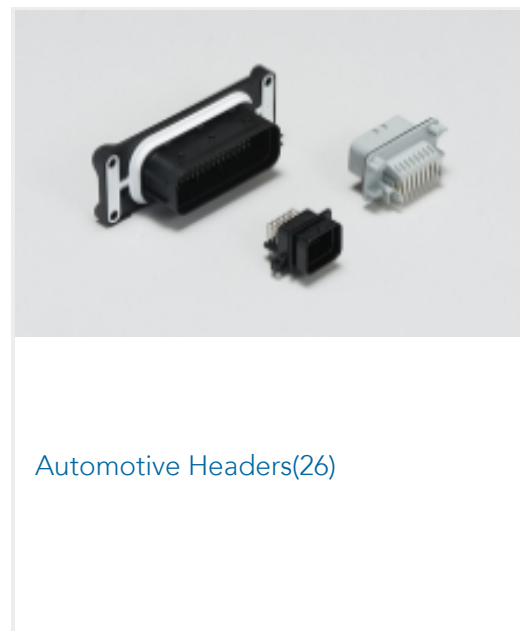
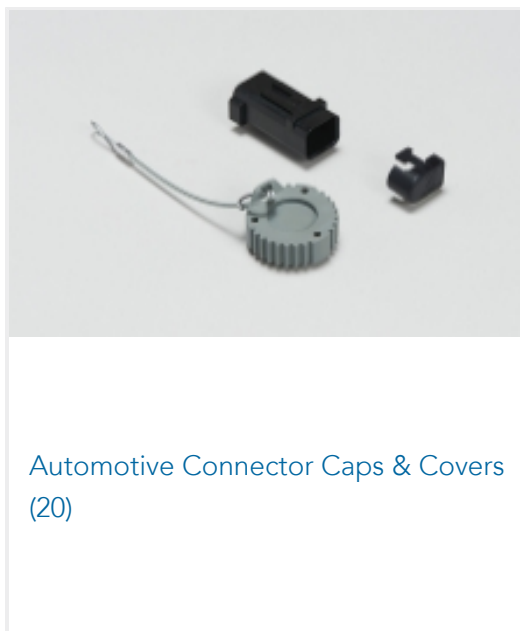
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





Also in the Series | 0.50 Connector System



Customers Also Bought





TE Part #1717103-2  
0.64 III 8POS PLUG ASSY



TE Part #2-1903611-5  
0.50 SERIES CONN 12POS PLUG  
HOUSING ASSY



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



TE Part #913699-2  
BLADE, SHEAR



TE Part #172200-1  
ECONOSEAL-J CONN RUBBER 2P

## 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