

2303790-1 ✓ ACTIVE

AMP | 0.50 Connector System

TE Internal #: 2303790-1

Housing for Female Terminals, Wire-to-Board, 114 Position, .118 in / .094 in [2.4 mm / 3 mm] Centerline, Sealable, Black, 0.50

Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings



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

Number of Positions: **114**

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

Centerline (Pitch): **2.4 mm, 3 mm [ .094 in, .118 in ]**

Sealable: **Yes**

## Features

### Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Board
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

### Configuration Features

Number of Positions	114
Number of Rows	6

### Electrical Characteristics

Nominal Voltage Architecture	12 V
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### Body Features

Primary Product Color	Black
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### Contact Features

Contact Size	.5mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	.5 mm, 2.8 mm [.019 in][.11 in]

### Mechanical Attachment

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	2.4 mm, 3 mm [.094 in][.118 in]

### Usage Conditions

Operating Temperature (Max)	100 °C [212 °F]
Operating Temperature Range	-40 – 100 °C [-40 – 212 °F]

### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Quantity	20
Packaging Method	Tray

### Other

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: JUNE 2024 (241) 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 reviewed 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 # 1939351-1  
1.0 SEALED RECEPTACLE CONTACT  
Sn



TE Part # 1939349-1  
0.5 SEALED RECEPTACLE CONTACT  
Sn



TE Part # 2151835-1  
OCEAN-2.0-APPLICATOR-S-055F0700-RSM



TE Part # 2151836-1  
OCEAN\_2.0\_Applicator-S-070F0860-RSM



TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp




TE Part # 2261071-1  
0.5/1.0/2.8 SEALED CONN 186P CAP ASSY


### Also in the Series | 0.50 Connector System




Automotive Connector Caps & Covers (20)



Automotive Housings(52)



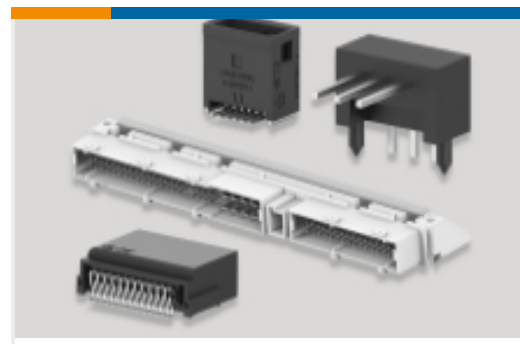
Automotive Terminals(14)



Connector Seals & Cavity Plugs(2)



Insertion &amp; Extraction Tools(1)



PCB Headers &amp; Receptacles(37)

## Customers Also Bought



TE Part #776438-1  
AS16,CAP ASSY,ST,12P,N SEAL,CODE A



TE Part #3-1534903-5  
60POS MIXED MOS REC SEALED  
COD 2-3-6-7



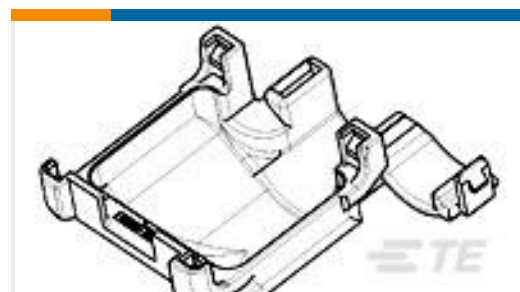
TE Part #280223-2  
FASTON 375 ASY REC 4-6MM2 0.5X27.  
0 TPBR



TE Part #1717138-5  
025/040 SEALED 44POS PLUG ASSY



TE Part #2035366-1  
Backshell,AS16,2P,90deg,NC08,LP,Plug



TE Part #1746089-1  
025/040 44POS COVER V



TE Part #1897635-2  
ECU 60P PLUG ASS'Y



TE Part #2303827-1  
COVER ASSEMBLY 114POS



TE Part #2303837-1  
COVER ASSEMBLY 72POS



TE Part #9-1904105-7  
V23074A2001A403-SZ-CBOX

## Documents

### Product Drawings

[PLUG ASSEMBLY 114POS](#)

Japanese

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2303790-1\\_A.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2303790-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2303790-1\\_A.3d\\_stp.zip](#)

English

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

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

Japanese

[Instruction Sheet \(U.S.\)](#)

English