

1-1703820-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1703820-1

6 Position Housing, Housing for Male Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Black, Heavy Duty Sealed Connector Series

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > Heavy Duty Sealed Connector Series Housings



Number of Positions: 6

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

Mating Tab Width: 1.6 mm [.063 in]

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

Centerline (Pitch): 4 mm [.157 in]

[All Heavy Duty Sealed Connector Series Housings \(177\)](#)

## Features

### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	6
Number of Rows	2

### Electrical Characteristics

Operating Voltage	60 VDC
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### Body Features

Cable Exit Angle	180°, 90°
Primary Product Color	Black
Connector & Keying Code	A

### Contact Features

Contact Size	1.6mm
Contact Type	Tab
Mating Tab Width	1.6 mm[.063 in]
Contact Current Rating (Max)	10 A

### Mechanical Attachment

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

### Housing Features

Housing Material	PBT GF30
Centerline (Pitch)	4 mm[.157 in]

### Dimensions

Row-to-Row Spacing	5.5 mm, 6.3 mm[.217 in][.248 in]
Product Width	47.05 mm[1.852 in]
Product Length	37.5 mm[1.476 in]
Connector Height	39.8 mm[1.567 in]

### Usage Conditions

Operating Temperature (Max)	140 °C[284 °F]
Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]

### Operation/Application

Circuit Application	Power
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### Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

### Packaging Features



Packaging Quantity	320
Packaging Method	Carton

### Other

Serviceable	Yes
Connector Position Assurance Capable	No

## Product Compliance

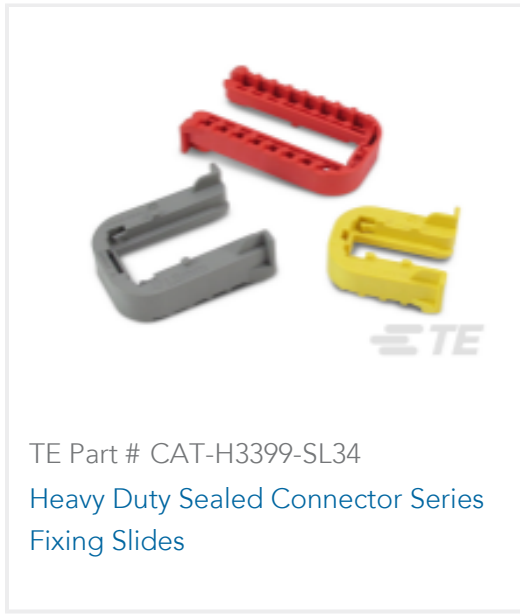
[For compliance documentation, visit the product page on TE.com>](#)

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

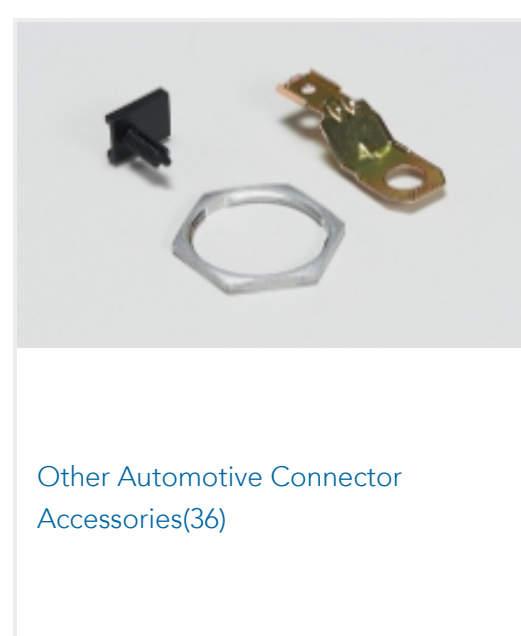
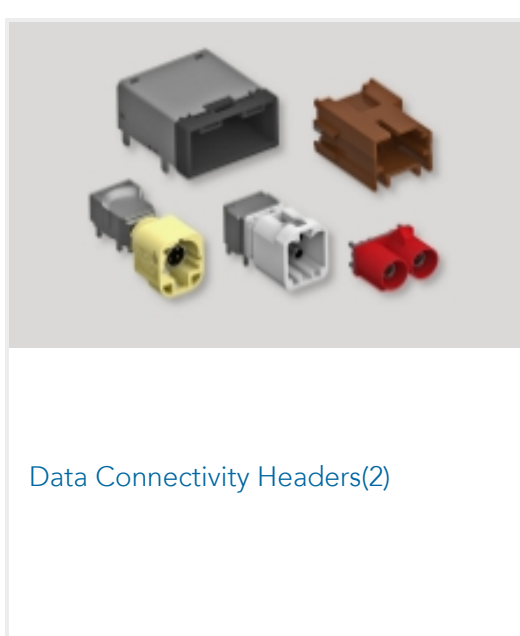
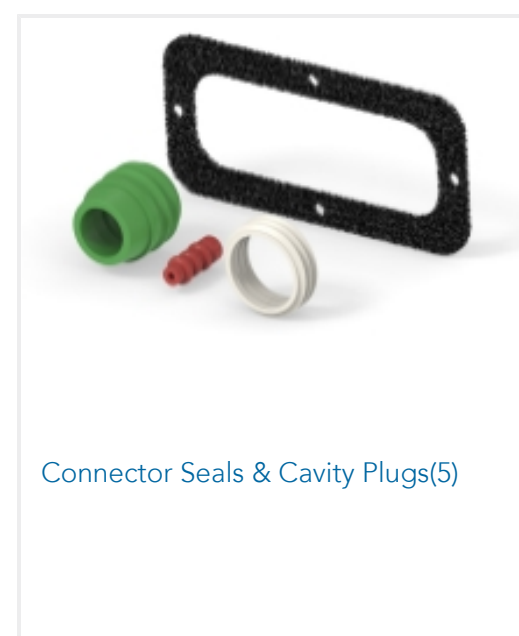
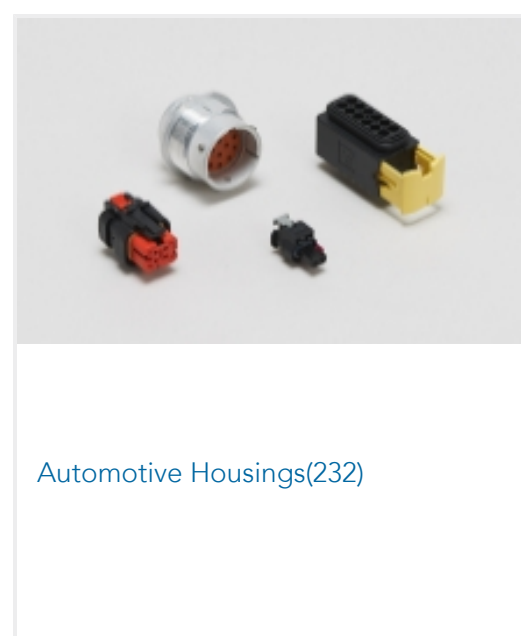
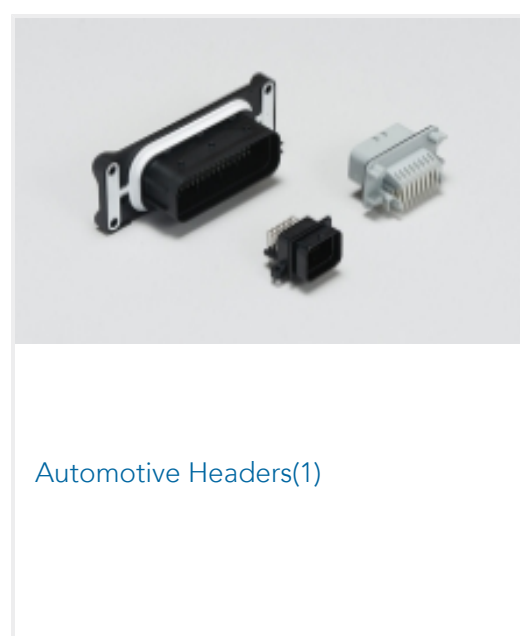
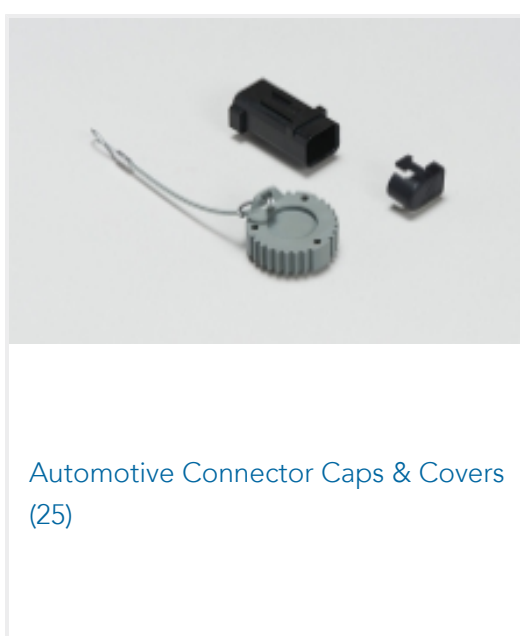
#### Product Compliance Disclaimer

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



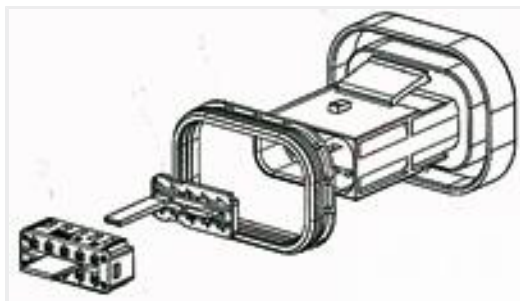
Also in the Series | **Heavy Duty Sealed Connector Series**





Rectangular Power Connectors(1)

## Customers Also Bought



TE Part #1801610-2  
BULK HEAD, MCON, 10W, CLIPPED



TE Part #2333103-2  
3POS,NANOMQS,REC HSG ASSY,  
UNSLD,COD B



TE Part #524451-E  
MCBP 8 F 2 035 137 \* 197 1,27 TRAY



TE Part #2035334-8  
CONTACT, FEMALE0.64 ,20.35SQMM  
VR2 J



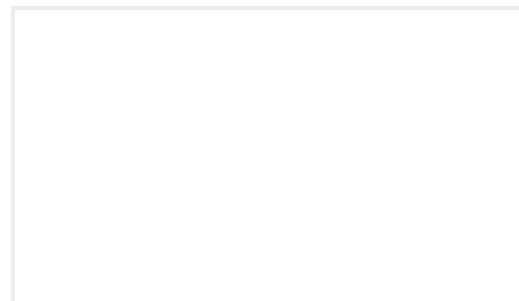
TE Part #2309873-2  
6POS,NANOMQS,REC HSG ASSY,  
COD B



TE Part #1-1564526-1  
18POS,TAB 1.6X0.6,TAB HSG,ASSY



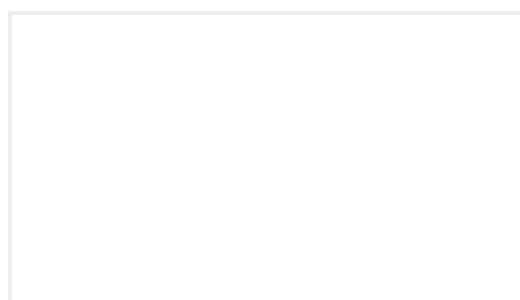
TE Part #1-1418469-1  
6POS,AMP MCP1.5K,REC. HSG,CODA



TE Part #5667413001  
SZF-1.15-MM



TE Part #341263-000  
AT099-43



TE Part #1730433001  
SZF-2.00-MM

## Documents

### Product Drawings

6POS,TAB 1.6X0.6,TAB HSG,ASSY,

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-1703820-1\_H.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703820-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703820-1\\_H.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[Heavy Duty Sealed Connector Series](#)

English

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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### Product Specifications

[Application Specification](#)

English