

1-1670214-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1670214-1

Housing for Male Terminals, Wire-to-Wire, 7 Position, .236 in / .157 in [6 mm / 4 mm] Centerline, Sealable, Black, Heavy Duty Sealed Connector Series

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



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

Number of Positions: 7

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

Centerline (Pitch): 4 mm, 6 mm [.157 in, .236 in]

Sealable: **Yes**

[All Heavy Duty Sealed Connector Series Housings \(204\)](#)

Features

Product Type Features

| | |
|--------------------------|----------------------------|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | Yes |
| Primary Locking Feature | On the Terminal |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 7 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|------------------------|
| Operating Voltage | 60 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 60 V |

Body Features

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



Contact Features

| | |
|------------------------------|----------------------------------|
| Contact Size | 1.6mm, 2.8mm |
| Contact Type | Tab |
| Mating Tab Width | 1.6 mm, 2.8 mm [.063 in][.11 in] |
| Contact Current Rating (Max) | 40 A |

Mechanical Attachment

| | |
|-----------------------------|------------------|
| Terminal Position Assurance | Yes |
| Strain Relief | Add By Accessory |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|-------------------------------|
| Housing Material | PBT GF |
| Centerline (Pitch) | 4 mm, 6 mm [.157 in][.236 in] |

Dimensions

| | |
|--------------------|----------------------------------|
| Connector Height | 39.8 mm [1.567 in] |
| Product Width | 48.1 mm [1.894 in] |
| Product Length | 42.5 mm [1.673 in] |
| Row-to-Row Spacing | 5.6 mm, 6.5 mm [.22 in][.256 in] |

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F] |
| Operating Temperature Range | -40 – 140 °C [-40 – 284 °F] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| Degree of Protection | IP67 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 250 |
| Packaging Method | Box |



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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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

TE Part # CAT-H3399-SL34
Heavy Duty Sealed Connector Series
Fixing Slides

TE Part # CAT-H3399-B128
Heavy Duty Sealed Connector Series
Backshells

TE Part # 964972-1
EINZELLEITERDICHTUNG

TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)



TE Part # 1670720-8
SLIDE, TAB HSG GROUP C



TE Part # 2112293-1
PROTECTION CAP, GROUP C, ASSY



TE Part # 1-1418480-1
7 POS MIXED REC HSG CODA



TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB

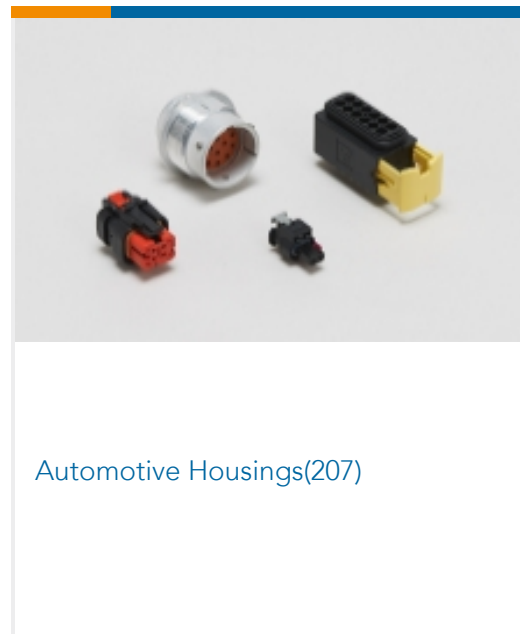


TE Part # 2-964269-2
TAB A 1.6x0.6 CONTACT CF SWS Ag

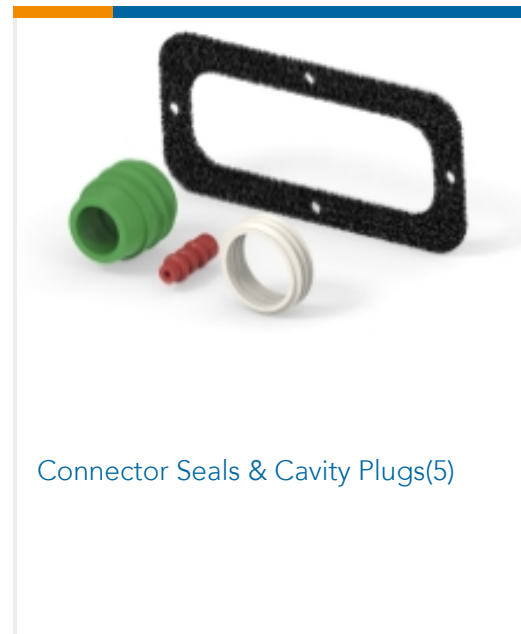
Also in the Series | **Heavy Duty Sealed Connector Series**



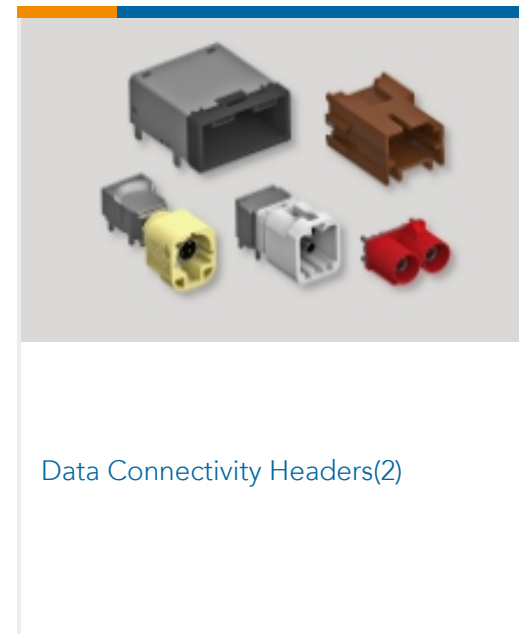
Automotive Connector Caps & Covers
(25)



Automotive Housings(207)



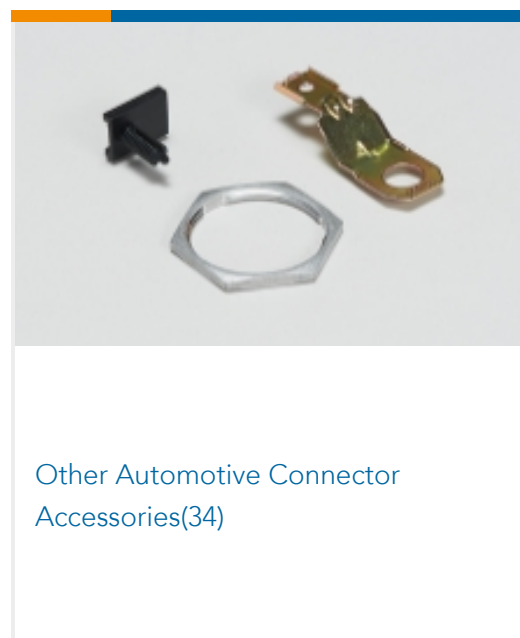
Connector Seals & Cavity Plugs(5)



Data Connectivity Headers(2)



Data Connectivity Housings(18)



Other Automotive Connector
Accessories(34)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #776428-2
AS 16, 2P CAP ASSY, KEY 2



TE Part #1-1703808-1
4POS, TAB 2.8X0.8, TAB HSG, ASSY,



TE Part #1-968291-2
6POS MQS REC COD A



TE Part #7-1971772-3
PTL 1X3 CAP PANEL MT HITEMP KEY
C BLK



TE Part #1379671-4
40W PLUG HSG ASSY GREEN



TE Part #1670720-5
SLIDE, TAB HSG GROUP C



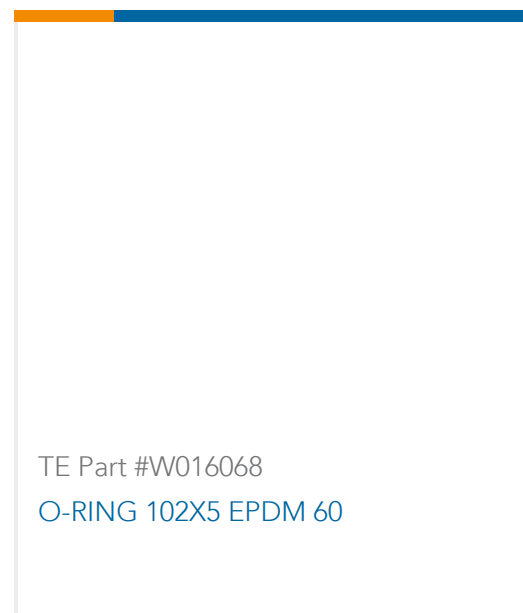
TE Part #953653-2
HOLDER GUIDE FOR RELAY



TE Part #1-969489-3
6POS MQS REC COD A



TE Part #2141612-2
RADIAL SEAL 25 X 43, CABLE SEAL,
YW



TE Part #W016068
O-RING 102X5 EPDM 60

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

HDSCS Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English