

1-1564412-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1564412-1

Housing for Male Terminals, Wire-to-Wire, 18 Position, .157 in [4 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed Connector Series

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



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

Mating Tab Width: **1.6 mm [ .063 in ]**

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

Number of Positions: **18**

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

[All Heavy Duty Sealed Connector Series Housings \(190\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	18
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°
Body Material	PBT GF
Primary Product Color	Black



Connector Code	A
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### Contact Features

Contact Size	1.6mm
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Contact Type	Tab
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Mating Tab Width	1.6 mm[.063 in]
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Contact Current Rating (Max)	20 A
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### Mechanical Attachment

Mounting Feature	Without
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Terminal Position Assurance	Yes
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Strain Relief	Add By Accessory
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Panel Mount
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### Housing Features

Centerline (Pitch)	4 mm[.157 in]
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### Dimensions

Product Width	46.7 mm
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Product Length	52.6 mm[2.071 in]
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Product Height	27 mm[1.063 in]
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Row-to-Row Spacing	6.9 mm[.272 in]
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### 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]
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Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Degree of Protection	IP67
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	200
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Packaging Method	Carton
<b>Other</b>	
Serviceable	Yes
Connector Position Assurance Capable	No

### Product Compliance


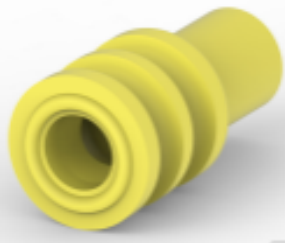
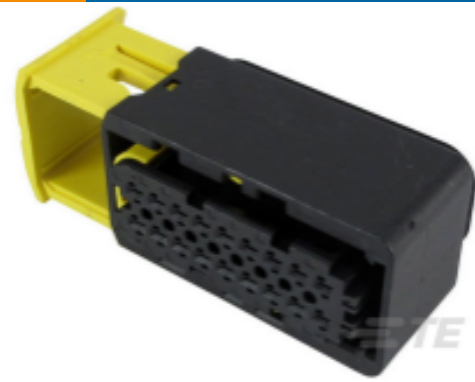

[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

 <p>TE Part # CAT-H3399-B128 Heavy Duty Sealed Connector Series Backshells</p>	 <p>TE Part # 964972-1 EINZELLEITERDICHTUNG</p>	 <p>TE Part # 1-1563759-1 18POS,AMP MCP1.5K,REC HSG,ASSY</p>	 <p>TE Part # 2112297-1 PROTECTION CAP,GROUP E,ASSY</p>
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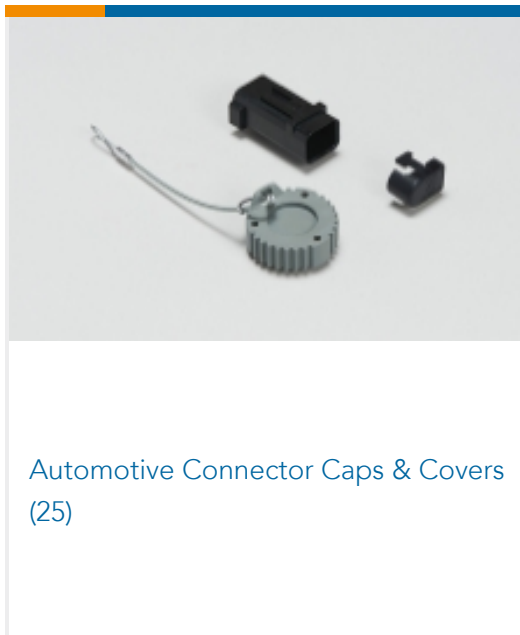


TE Part # CAT-T4827-T273  
TIMER, RECEPTACLE AND TAB

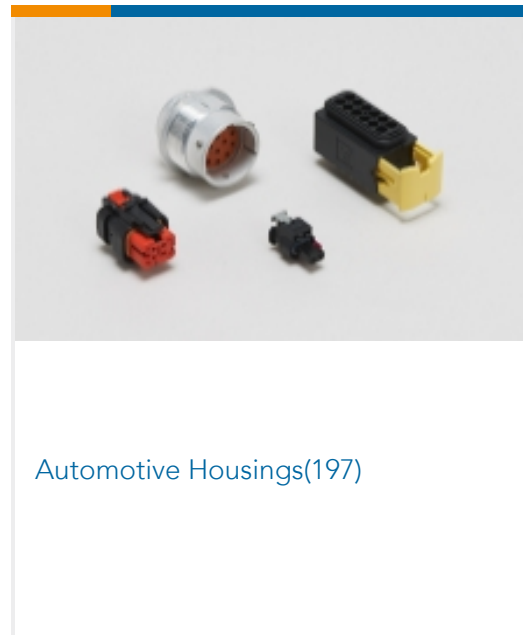


TE Part # 2-964269-2  
TAB A 1.6x0.6 CONTACT CF SWS Ag

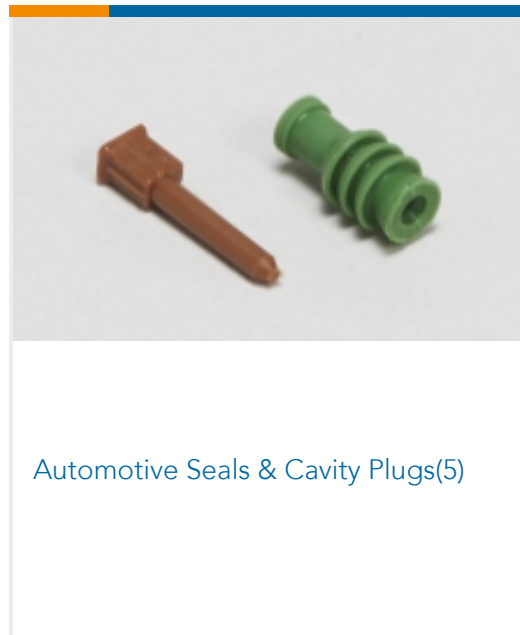
## Also in the Series | Heavy Duty Sealed Connector Series



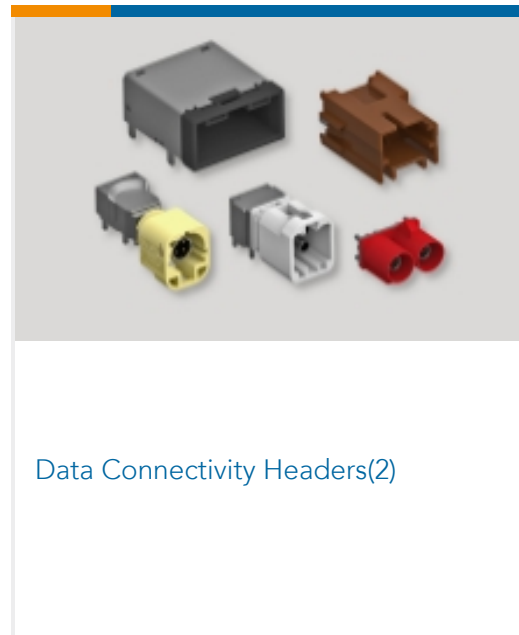
Automotive Connector Caps & Covers (25)



Automotive Housings(197)



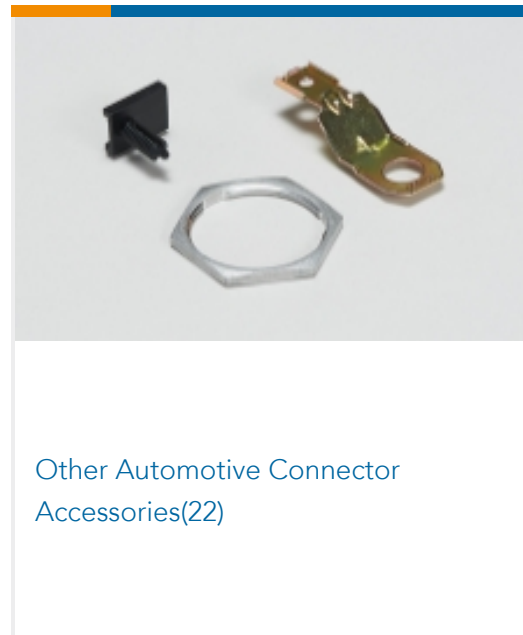
Automotive Seals & Cavity Plugs(5)



Data Connectivity Headers(2)



Data Connectivity Housings(18)



Other Automotive Connector Accessories(22)

## Customers Also Bought



TE Part #1563111-1  
COVER,180



TE Part #1-1564407-1  
Heavy Duty Sealed Connector Series Housings



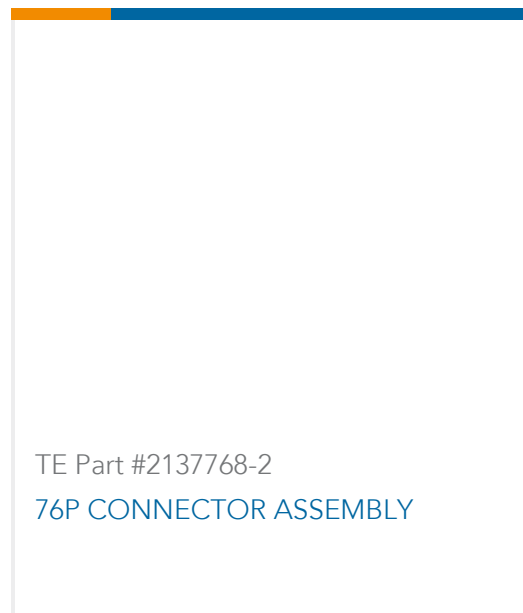
TE Part #964269-2  
TAB A 1.6x0.6 CONTACT CF SWS Sn



TE Part #1443996-3  
COVER, 60 POSITION - NO EXTERIOR TEXT



TE Part #964270-2  
TAB A 1.6x0.6 CONTACT CF SWS Sn (LP)



TE Part #2137768-2  
76P CONNECTOR ASSEMBLY



## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1564412-1\\_G.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1564412-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1564412-1\\_G.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

[Application Specification](#)

English