



Connectors > Automotive Connectors > Connector Housings > HEAVY DUTY SEALED CONNECTOR HOUSINGS



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

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

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

Number of Positions: **12**

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

[All HEAVY DUTY SEALED CONNECTOR 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	12
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	Other
Body Material	PBT GF
Primary Product Color	Green



Connector Code	C
Contact Features	
Contact Size	1.6mm
Contact Type	Tab
Mating Tab Width	1.6 mm[.063 in]
Contact Current Rating (Max)	20 A
Mechanical Attachment	
Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount
Housing Features	
Centerline (Pitch)	4 mm[.157 in]
Dimensions	
Product Width	39.8 mm[1.567 in]
Product Length	50.5 mm[1.988 in]
Row-to-Row Spacing	2.54 mm[.1 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	220
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: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
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>

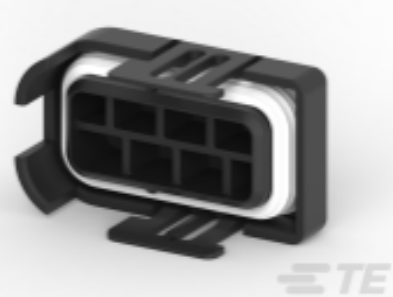
Compatible Parts



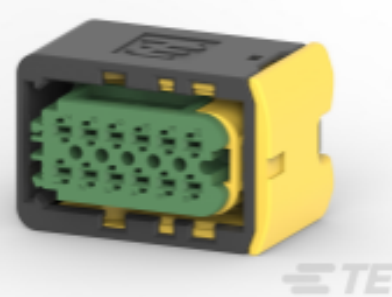
TE Part # CAT-H3399-SL34
HEAVY DUTY CONNECTORS FIXING SLIDES



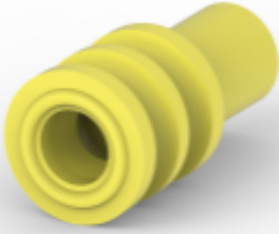
TE Part # CAT-H3399-B128
HEAVY DUTY SEALED CONNECTOR BACKSHELLS



TE Part # 2112295-1
PROTECTION CAP, GROUP D, ASSY



TE Part # 3-1703639-1
12POS, AMP MCP1.5K, REC HSG, ASSY, CODC



TE Part # 964972-1
EINZELLEITERDICHUNG



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



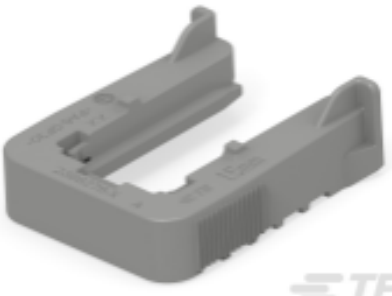
TE Part # 2317070-1
SLIDE,PIN HSG ASSY



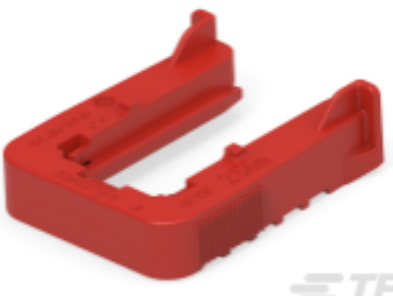
TE Part # 2-964269-2
TAB A 1.6x0.6 CONTACT CF SWS Ag



TE Part # 2388278-1
SLIDE,TAB HSG ASSY,GROUP D



TE Part # 2388278-3
SLIDE,TAB HSG ASSY,GROUP D



TE Part # 2388278-4
SLIDE,TAB HSG ASSY,GROUP D



TE Part # 2388278-5
SLIDE,TAB HSG ASSY,GROUP D



TE Part # 2388278-6
SLIDE,TAB HSG ASSY,GROUP D

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



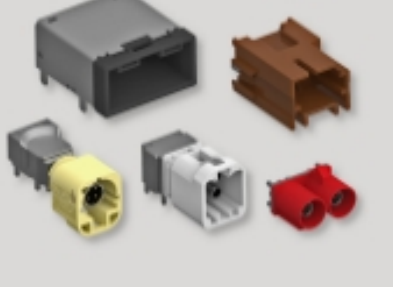
Automotive Connector Caps & Covers
(25)



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 #1623133-1
CRG0805 1% 1K2

TE Part #1-962918-1
TIMER, RECEPTACLE AND TAB

TE Part #1-1564544-1
HEAVY DUTY SEALED CONNECTOR HOUSINGS

TE Part #2176162-7
UPF25 0.1% 5PPM 250R

TE Part #1-965983-1
110 FASTON, REC., 20-24 AWG, PTPB

Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_3-1564520-1_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1564520-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1564520-1_H.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