



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



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

Mating Tab Width: **1.6 mm, 2.8 mm** [ .063 in, .11 in ]

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

Number of Positions: **7**

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

[All HEAVY DUTY SEALED CONNECTOR HOUSINGS \(186\)](#)

Features

Product Type Features

Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	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°
Body Material	PBT GF
Primary Product Color	Green

Contact Features



Mating Tab Width	1.6 mm, 2.8 mm[.063 in][.11 in]
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Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized

Housing Features

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

Product Width	48.1 mm[1.894 in]
Product Length	32.6 mm[1.283 in]
Product Height	27 mm[1.063 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
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Industry Standards

Degree of Protection	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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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-C1748  
HEAVY DUTY CONNECTORS  
PROTECTION CAPS




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




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




TE Part # CAT-H3399-CH8172  
HEAVY DUTY SEALED CONNECTOR  
HOUSINGS



TE Part # 964972-1  
EINZELLEITERDICHTUNG



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



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  
(20)



Automotive Housings(189)



Automotive Seals & Cavity Plugs(1)



Insertion & Extraction Tools(1)



Other Automotive Connector  
Accessories(22)

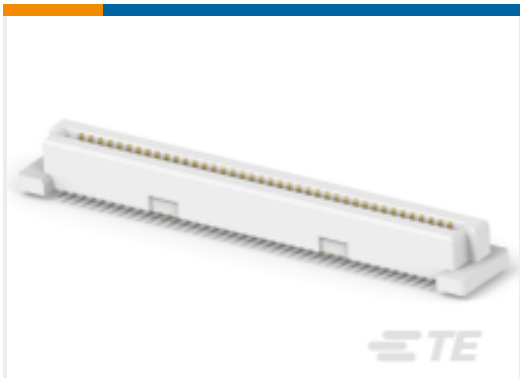
Customers Also Bought



TE Part #3-2040555-9  
DYNAMIC 1100 REC AND TAB HSG



TE Part #1-2040586-1  
DYNAMIC 4000 REC AND TAB CONT



TE Part #2-1735481-3  
Free Height Receptacle Conn: Board-Board, Vertical, 80, 0.8mm



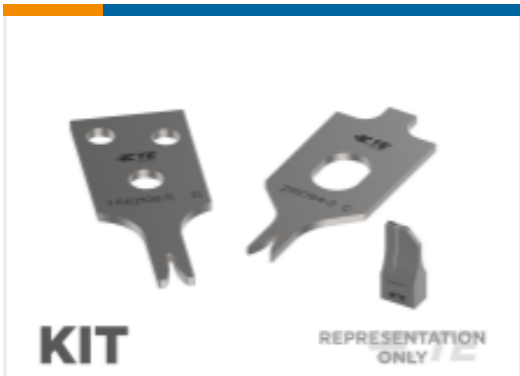
TE Part #DT04-2P-P049  
DEUTSCH DT Series Housings & Connectors



TE Part #1-2232784-2  
GIC 7.92MM CONN HDR ASS'Y 2POS RED



TE Part #539678-2  
DIE FOR ECONOSEAL



TE Part #7-2836474-7  
OC-054F055F-752-CRIMPTOOLINGKIT



TE Part #8-1833003-5  
RT424012WG



TE Part #ZPF000000000008931  
983-6SE 18-31 PN



TE Part #DARS24296-000A3  
CAR PIN STANDARD CONT. #5, silver plated

Documents



Product Drawings

7POS, MIXED,TAB HSG,ASSY,CODC

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1703648-1\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1703648-1\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1703648-1\_H.3d\_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

HDSCS Catalog

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English