



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



Number of Positions: 7

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

Mating Tab Width: 1.5 mm, 2.8 mm [.059 in, .11 in]

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

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

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

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female 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	7
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	B



Contact Features

Contact Size	1.5K, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm, 2.8 mm [.059 in] [.11 in]
Contact Current Rating (Max)	40 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm [.1 in]
Product Width	25.7 mm [1.012 in]
Product Length	44 mm [1.732 in]
Connector Height	31.25 mm [1.23 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	380
Packaging Method	Box

Other

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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: JAN 2025 (247) 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 # 2-2425849-1
7POS,HYBRID,HDR ASSY,90DEG,COD B



TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



TE Part # 3-1579018-8
UNLOCK TOOL



TE Part # 2-2378180-1
7POS,HYBRID,HDR ASSY,180DEG, COD B



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

TE Part # 2112301-1
PROTECTION CAP, FOR REC.HSG GROUP C

TE Part # 964972-1
EINZELLEITERDICHTUNG

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

TE Part # CAT-H3399-CH8172
Heavy Duty Sealed Connector Series Housings

Also in the Series | Heavy Duty Sealed Connector Series

Automotive Connector Caps & Covers (25)

Automotive Headers(1)

Automotive Housings(232)

Connector Seals & Cavity Plugs(5)

Data Connectivity Headers(2)

Data Connectivity Housings(16)

Other Automotive Connector Accessories(36)

PCB Headers & Receptacles(1)

Rectangular Power Connectors(1)

Customers Also Bought



TE Part #CAT-H3399-CH8172
Heavy Duty Sealed Connector Series Housings

TE Part #8-1393104-4
KRPA-14DG-24=KRPA

TE Part #ANT-5GW-FPC-V100UF
Antenna 5GW FPC LV 20x120 100 UFL

TE Part #0528-005-3805
BKSHL, 38P, BLK, PLG, RA, LOW PROFILE

TE Part #180451
FF 250 REC HSG 7P NYLON

TE Part #1746979-1
ECU 121P HDR ASSY-PBT

TE Part #04-0979-0446
PT9420-0550-211-1110

TE Part #1897210-1
MCP HYB 4P PLUG ASSY

TE Part #963041-1
55P JUN-POW-TIM GEH

Documents

Product Drawings

7 POS MIXED REC HSG GR

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1418480-1_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1418480-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1418480-1_J.3d_stp.zip

English

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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

Product Specifications

Application Specification

English