2-1418480-1 ✔ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 2-1418480-1

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

View on TE.com >

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 Female 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 Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	7
Number of Rows	2

Electrical Characteristics

Operating Voltage	60 VDC

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

Terminal Position Assurance	Yes
Strain Relief	Without
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

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

Usage Conditions

Operating Temperature (Max)	140 °C[284 °F]
Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	380
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

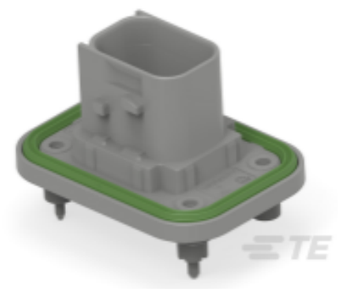
Product Compliance Disclaimer

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-CH8172
Heavy Duty Sealed Connector Series Housings



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



TE Part # 964972-1
EINZELLEITERDICHTNG



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



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



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



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

TE Part # 2-2425849-1
7POS,HYBRID,HDR ASSY,90DEG,COD B

Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers (25)



Automotive Housings(207)



Connector Seals & Cavity Plugs(5)



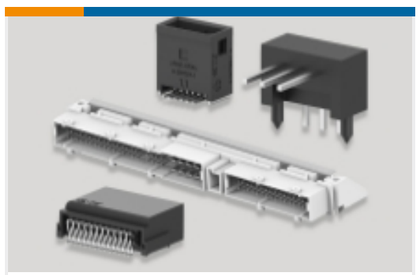
Data Connectivity Headers(2)



Data Connectivity Housings(16)



Other Automotive Connector Accessories(34)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #2-1437285-3
34POS,SUPERSEAL,REC HSG ASSY, SLD,COD 1



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



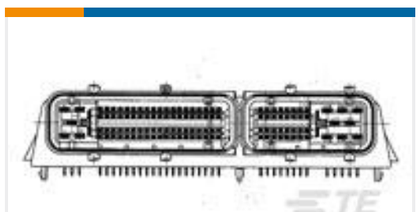
TE Part #828921-1
EINZELADERDICHTUNG



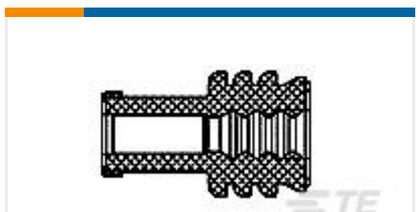
TE Part #1670364-1
COVER,180 GROUP C



TE Part #1418884-3
AMP MCP 1.5K, CONTACT, SWS



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



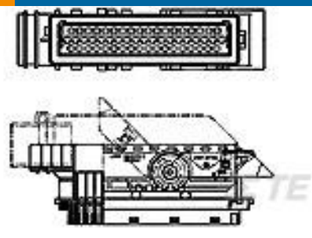
TE Part #1393457-4
V23540M1000Z110=DICHTTULLE (F1



TE Part #1879980-1
MINI SUPERSEAL CONNECTOR



TE Part #2822395-1
070 ECONOSEAL MARK-2+ PLUG 10P



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

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-962915-1 917696-1 CPF0402B37K4E1 MPT100C18RF 1903112-2 3430B2F51RTDF 650075-000 175977-2 3-1393225-0 RH73H2A40MKTN SBCHE154R7K SMW73R0JT 2005330-1 ROX05SJ18R 2310537-1 2834055-1 SBCHE64R7K U5254-000005-030PA 3631B101LL TE50BR39J 1-794222-0 141991-2 1743455-2 1969656-1 CRGCQ2010J3K3 1393431-1 2-292161-3 2377783-2 2380312-2 936348-1