# 2-1418480-1 ACTIVE

## AMP | Heavy Duty Sealed Connector Series

TE Internal #: 2-1418480-1

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

Connector Series

View on TE.com >



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**

## **Body Features**

Cable Exit Angle	180°, 90°
Primary Product Color	Black
Connector & Keying Code	В



#### **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



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



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



TE Part # 964972-1
EINZELLEITERDICHTNG





## 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)



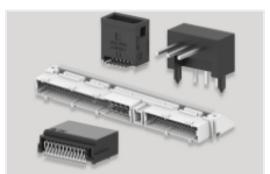
Data Connectivity Headers(2)



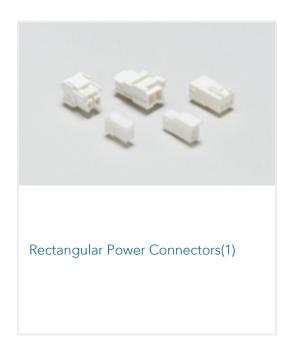
Data Connectivity Housings(16)



Other Automotive Connector Accessories(36)



PCB Headers & Receptacles(1)



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











### **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

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



Heavy Duty Sealed Connector Series

English

**HDSCS Catalog** 

English

ICT Terminals and Connectors Catalogue

English

**CONNECTOR SELECTOR** 

English

**Product Specifications** 

**Application Specification** 

English