

1-1703820-1 ✓ ACTIVE



AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1703820-1

Housing for Male Terminals, Wire-to-Wire, 6 Position, .157 in [4 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed Connector Series

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



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

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

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

Number of Positions: **6**

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

[All Heavy Duty Sealed Connector Series 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	6
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	Black
Connector Code	A

### 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	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

### Housing Features

Centerline (Pitch)	4 mm[.157 in]
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### Dimensions

Product Width	47.05 mm[1.852 in]
Product Length	37.5 mm[1.476 in]
Product Height	39.8 mm[1.567 in]
Row-to-Row Spacing	5.5 mm, 6.3 mm[.217 in][.248 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	128
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 2022 (223) 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 Sealed Connector Series  
Fixing Slides



TE Part # 964972-1  
EINZELLEITERDICHTNG



TE Part # 1-1418469-1  
6POS,AMP MCP1.5K,REC. HSG,CODA



TE Part # 965786-1  
ABDECKKAPPE 180GRD



TE Part # 2112291-1  
PROTECTION CAP,GROUP B,ASSY




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




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 (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 #1-1418469-1  
6POS,AMP MCP1.5K,REC. HSG,CODA



TE Part #1703838-6  
SLIDE,TAB HSG GROUP A



TE Part #1241981-5  
STANDARD TIMER HOUSING



TE Part #1803015-7  
CRIMPER, WIRE F



TE Part #3-1633965-7  
INSULATION CRIMPER



**ANVIL** REPRESENTATION ONLY

TE Part #5-1633928-9  
ANVIL COMBINATION



**CRIMPER** REPRESENTATION ONLY

TE Part #5-2119582-3  
CRIMPER, INSULATION F PREMIUM



TE Part #626040  
RELAY BASE MOLDING NATURAL 6.6  
NYLON



**CRIMPER** REPRESENTATION ONLY

TE Part #7-456404-0  
CRIMPER, WIRE .070 F PREMIUM



**CRIMPER** REPRESENTATION ONLY

TE Part #8-1633664-7  
CRIMPER, WIRE F

## Documents

### Product Drawings

6POS,TAB 1.6X0.6,TAB HSG,ASSY,

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703820-1\\_H.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703820-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1703820-1\\_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

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[Product Environmental Compliance](#)

[Product Compliance](#)

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