

964693-1 ✓ ACTIVE

AMP | Timer Connector System

TE Internal #: 964693-1

Automotive Connector Locks & Position Assurance, Black, Wire-to-Wire, PBT GF, -40 – 120 °C [-40 – 248 °F], Timer Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Accessories > Locks & Position Assurance



Primary Product Color: **Black**

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

Primary Product Material: **PBT GF**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °F]**

### Features

#### Product Type Features

|                  |              |
|------------------|--------------|
| Connector System | Wire-to-Wire |
|------------------|--------------|

#### Body Features

|                          |        |
|--------------------------|--------|
| Primary Product Color    | Black  |
| Primary Product Material | PBT GF |

#### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |
|-----------------------------|----------------------------|

#### Industry Standards

|                        |         |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

#### Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

#### Other

|             |     |
|-------------|-----|
| Serviceable | Yes |
|-------------|-----|

### 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 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free  |
| 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>

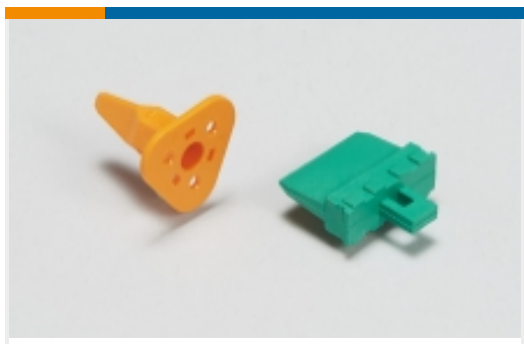
## Compatible Parts



Also in the Series | [Timer Connector System](#)



Automotive Connector Caps & Covers (11)



Automotive Connector Locks & Position Assurance(16)



Automotive Housings(219)



Automotive Seals & Cavity Plugs(31)



Automotive Terminals(138)



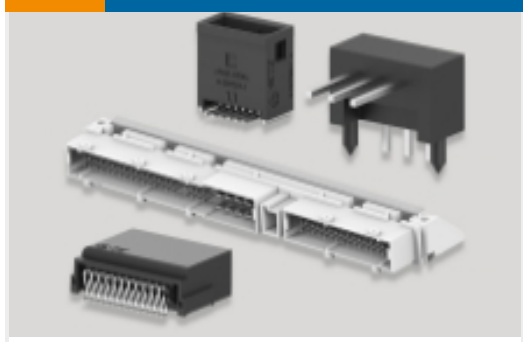
Crimp Terminal Housings(13)



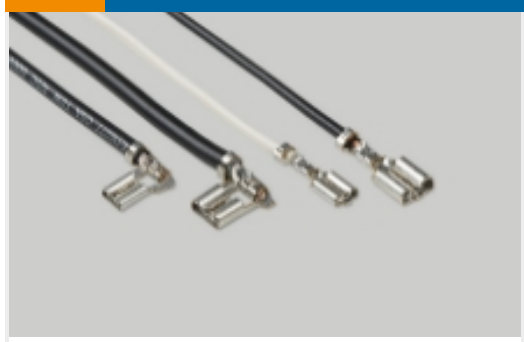
Insertion & Extraction Tools(20)



Other Automotive Connector Accessories(1)

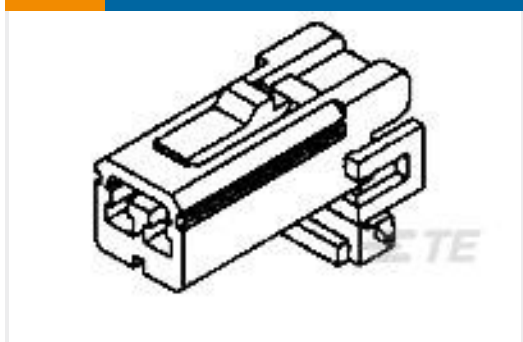


PCB Headers & Receptacles(78)



Quick Disconnects(4)

## Customers Also Bought



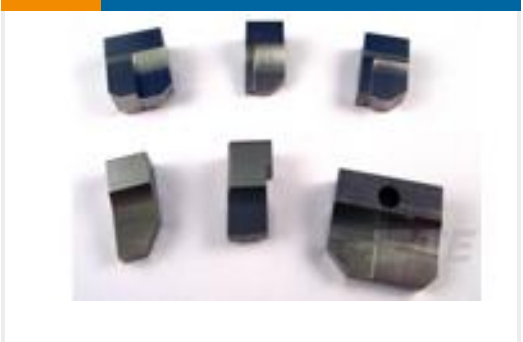
TE Part #368538-1  
070 MLC PLUG 2P HSG



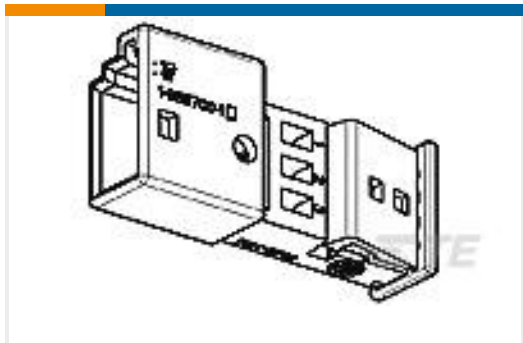
TE Part #1-1438608-5  
2POS MQS REC SEALED COD A



TE Part #1-962917-2  
TAB 5.8x0.8 CONTACT CS SWS Ag



TE Part #1-1338690-2  
ANVIL, COMBINATION .055



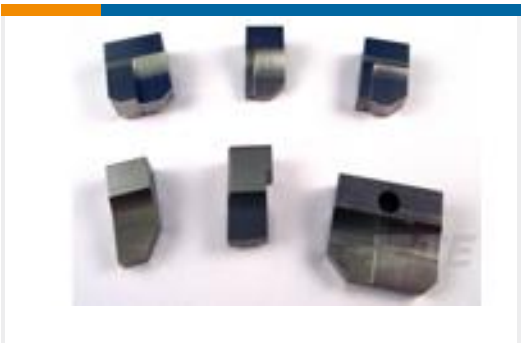
TE Part #3-968700-1  
3POS,MQS PIN 0.63X0.63,PIN HSG



TE Part #154740-2  
PIN .175 DIA REC 20-16AWG PB



TE Part #2-1633966-9  
CRIMPER,INSULATION O



TE Part #2-1803057-6  
ANVIL, COMBINATION

TE Part #CD41583001  
55E0211-0.50-0(B01)TE Part #CQ34943001  
55E0211-0.50-9(B01)

## Documents

### Product Drawings

#### KONTAKTSICHERUNG

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_964693-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_964693-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_964693-1\\_A.3d\\_stp.zip](#)

English

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