



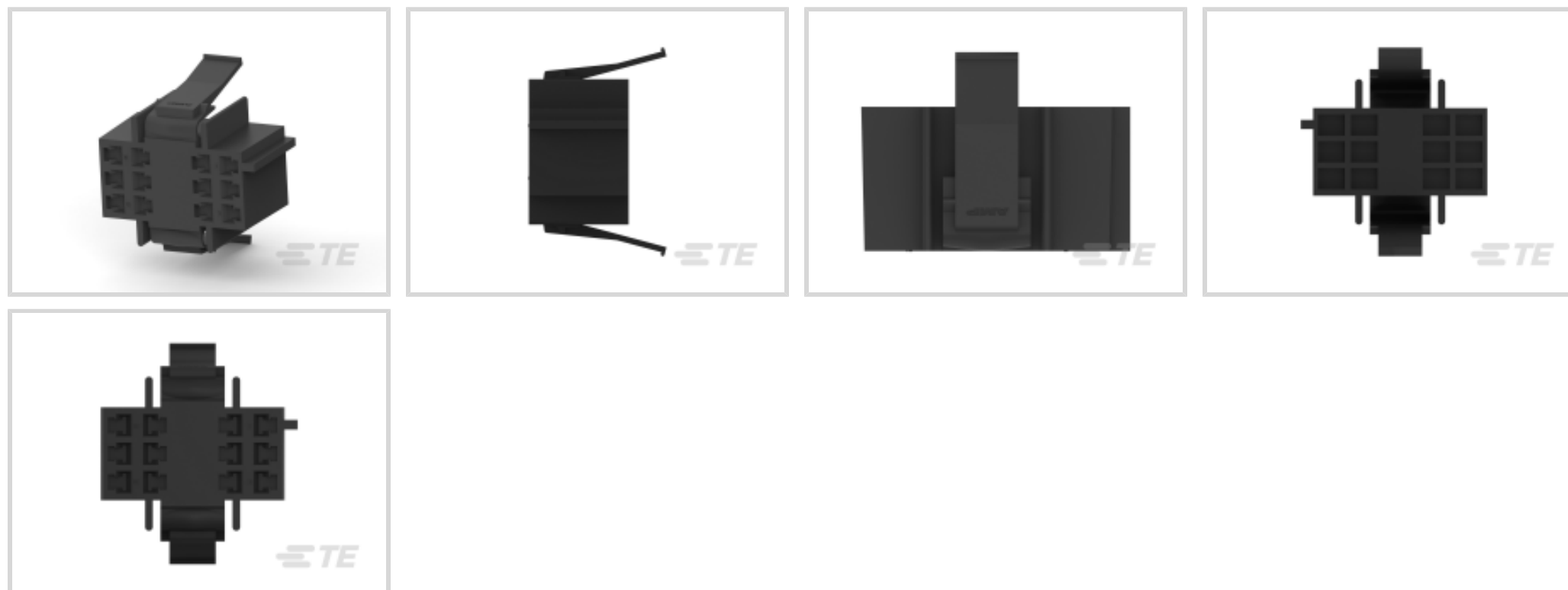
Timer Connector System

TE Internal #: 521163-2

Crimp Terminal Housings, Receptacle, Receptacle, 12 Position, Straight, UL 94V-0, Black, Nylon, Contact Mating Retention, Timer Connector System

[View on TE.com >](#)

Terminals & Splices > Terminal Housings, Insulation Sleeves & Blocks > Crimp Terminal Housings



Terminal Type: **Receptacle**

Housing Type: **Receptacle**

Number of Positions: **12**

Terminal Orientation: **Straight**

UL Flammability Rating: **UL 94V-0**

**Features**

**Product Type Features**

Terminates To	Wire & Cable
Product Type	Terminal Housing
Sealable	No
Connector System	Wire-to-Board, Wire-to-Wire
Housing Type	Receptacle
Insulated	No

**Configuration Features**

Number of Positions	12
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**Body Features**

Primary Product Color	Black
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**Contact Features**

Terminal Type	Receptacle
Terminal Orientation	Straight
Contact Mating Retention	With



### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention Type	Latch
Mating Alignment	With
Crimp Terminal Housing Mounting Style	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Nylon
Centerline (Pitch)	5.08 mm[.2 in]

### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	1
Packaging Method	Carton

## 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) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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



TE Part # 521085-1  
DRYER .250 HOUSING NYLON 6/6



TE Part # 770199-1  
TIMER CONNECTOR 18P HSG R/H BK NYLON6/6



TE Part # 521190-2  
PLUG 3 POS 125 HOUSING NYLON 6 /6



TE Part # 521190-4  
PLUG 5 POS 125 HOUSING NYLON 6 /6



TE Part # 521152-2  
PLUG 4 CIR 125 HOUSING NYLON 66 /6



TE Part # 770198-1  
TIMER CONNECTOR 24P HSG L/H NAT PA66



TE Part # 1-770197-2  
TIMER CONNECTOR 24P HSG R/H NAT PA66 V-0



TE Part # 521073-2  
PLUG .125 HOUSING NYLON 66/6



TE Part # 521116-2  
MOTOR HOUSING HOUSING NYLON VO BLACK




TE Part # 521165-1  
MOTOR HOUSING HOUSING BLACK NYLON 6/6



TE Part # 521986-1  
POWER BLADE HSG 10P NYLON NATURAL


## Also in the Series | Timer Connector System



Automotive Connector Caps & Covers (11)



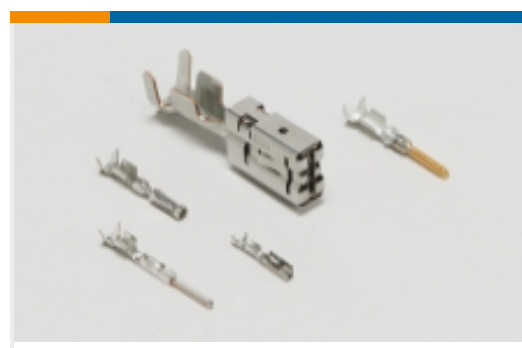
Automotive Connector Locks & Position Assurance(16)



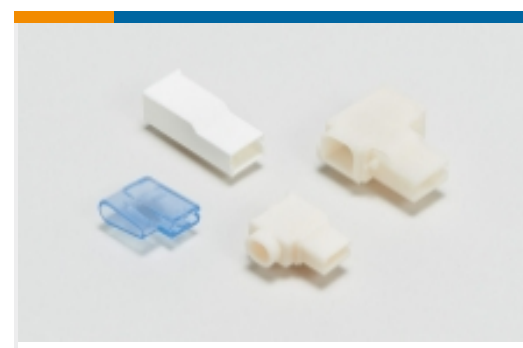
Automotive Housings(218)



Automotive Seals & Cavity Plugs(31)



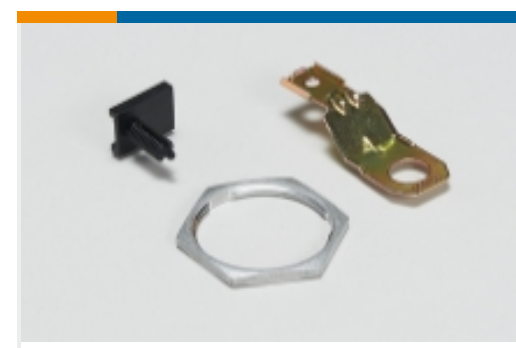
Automotive Terminals(130)



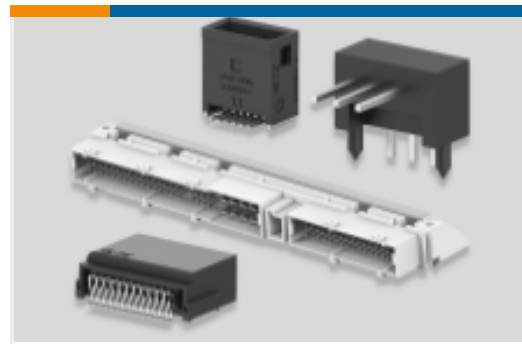
Crimp Terminal Housings(13)



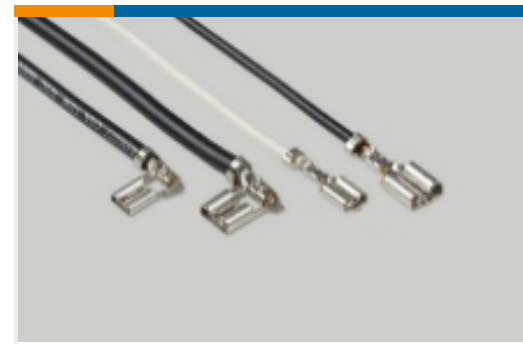
Insertion &amp; Extraction Tools(20)



Other Automotive Connector Accessories(1)



PCB Headers &amp; Receptacles(78)



Quick Disconnects(4)

## Documents

### Product Drawings

#### POWER BLADE HSG 12P NYLON BLACK

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_521163-2\\_F.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_521163-2\\_F.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_521163-2\\_F.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### TE Material Declaration

English

### Agency Approvals

#### UL Report



English