



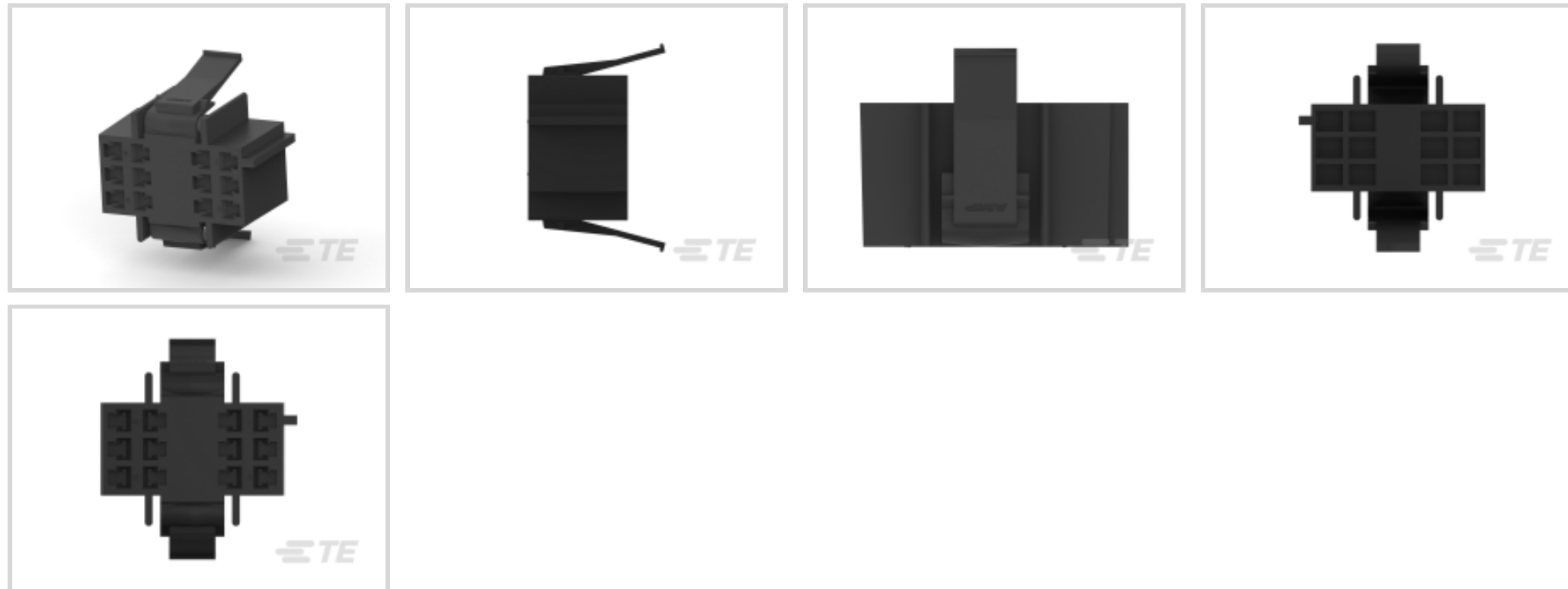
Timer Connector System

TE Internal #: 521163-2

Receptacle, Receptacle, 12 Position, Straight, UL 94V-0, Black, Nylon, Cable Mount (Free-Hanging), Timer Connector System, Crimp Terminal Housings

[View on TE.com >](#)

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



Terminal Type: **Receptacle**

Connector & Housing Type: **Receptacle**

Number of Positions: **12**

Terminal Orientation: **Straight**

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

Features

Packaging Features

Packaging Quantity	1
Packaging Method	Carton

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention Type	Latch
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Product Type Features

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

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

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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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



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



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



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



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



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



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



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



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



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



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


Also in the Series | Timer Connector System




Automotive Connector Caps & Covers (11)



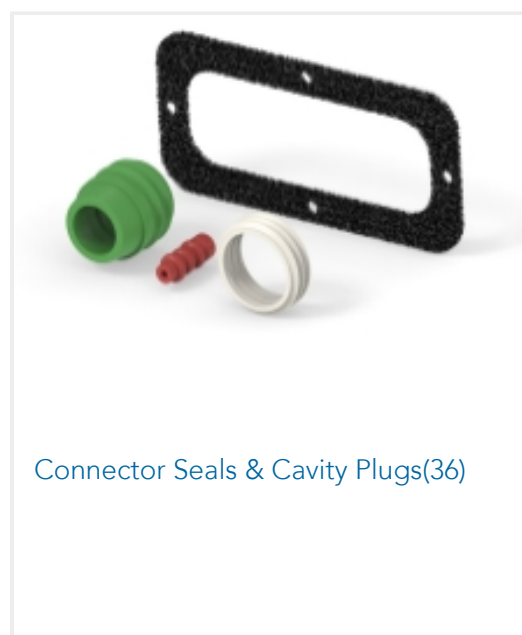
Automotive Connector Locks & Position Assurance(15)



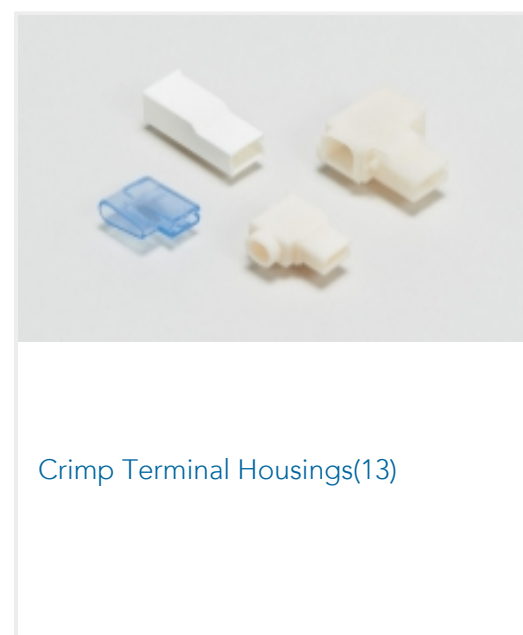
Automotive Headers(19)



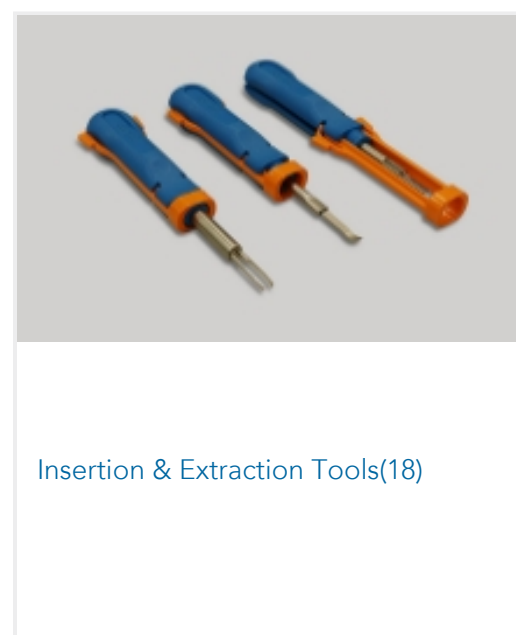
Automotive Housings(195)



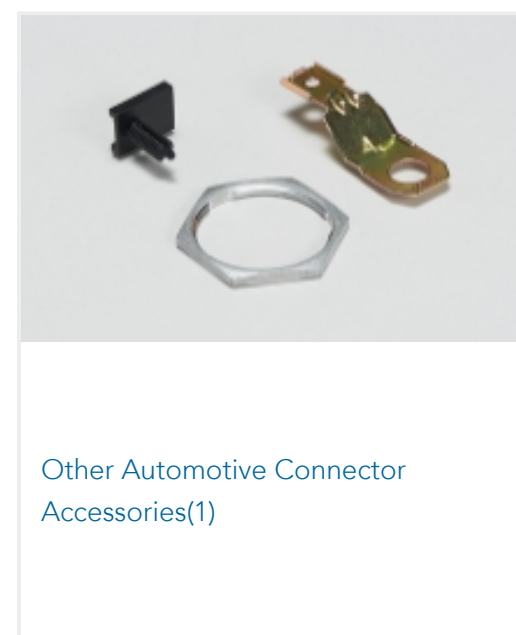
Connector Seals & Cavity Plugs(36)



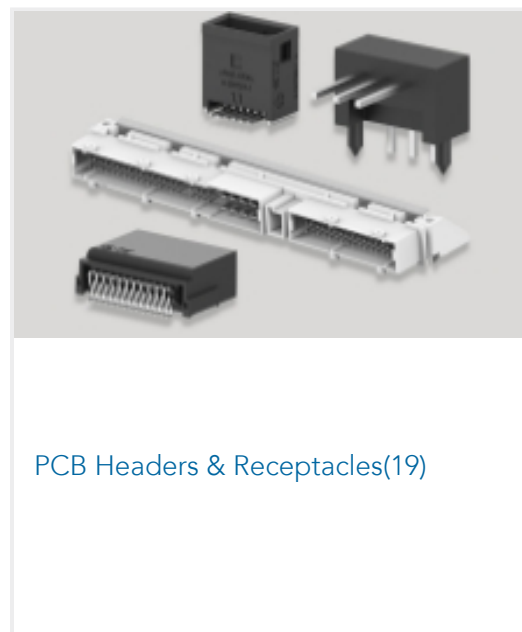
Crimp Terminal Housings(13)



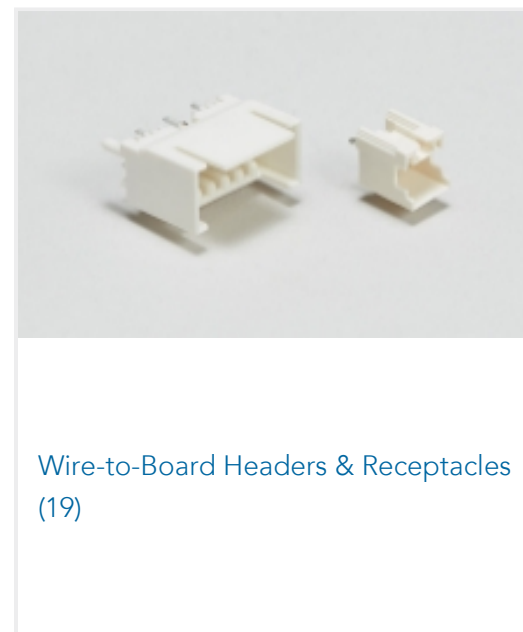
Insertion & Extraction Tools(18)



Other Automotive Connector Accessories(1)

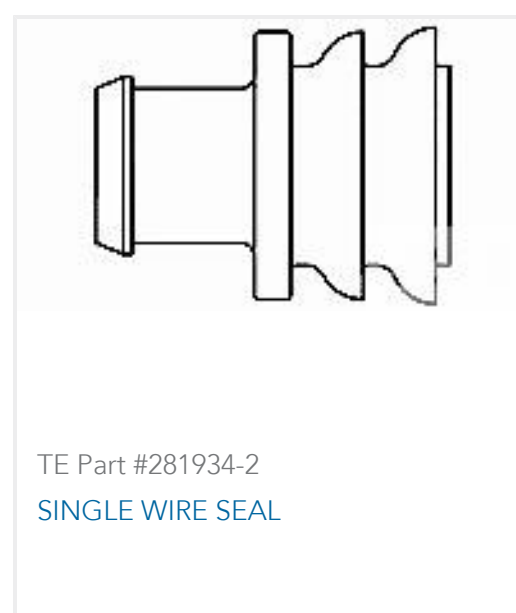


PCB Headers & Receptacles(19)



Wire-to-Board Headers & Receptacles (19)

Customers Also Bought

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHTTE Part #DT04-2P
REC, 2P, GRY, NTE Part #DT06-2S
PLG, 2P, GRY, NTE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DTTE Part #CAT-D48-ST273
DEUTSCH Solid ContactsTE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSINGTE Part #281934-2
SINGLE WIRE SEAL

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

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English