

1544650-3 ✓ ACTIVE

NG Power Terminals and Connectors, NG1

TE Internal #: 1544650-3

Housing for Female Terminals, Wire-to-Wire, 2 Position, .472 in [12 mm] Centerline, Sealable, Gray, Wire & Cable, Power, Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings



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

Mating Tab Width: **8 mm [ .314 in ]**

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

Number of Positions: **2**

Centerline (Pitch): **12 mm [ .472 in ]**

### Features

#### Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Positions	2
Number of Rows	1

#### Electrical Characteristics

Operating Voltage	13 VDC
Nominal Voltage Architecture	12 V

#### Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	Neutral

#### Contact Features

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Contact Size	8mm
Contact Type	Receptacle
Mating Tab Width	8 mm[.314 in]
Contact Current Rating (Max)	40 A

### Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	PBT
Centerline (Pitch)	12 mm[.472 in]

### Dimensions

Connector Height	34.2 mm[1.346 in]
Product Width	43.4 mm[1.709 in]
Product Length	34.9 mm[1.374 in]

### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

### Operation/Application

Circuit Application	Power
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### Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

### Packaging Features

Packaging Quantity	750
Packaging Method	Box & Carton

### Other

Serviceable	Yes
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Connector Position Assurance Capable 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) 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

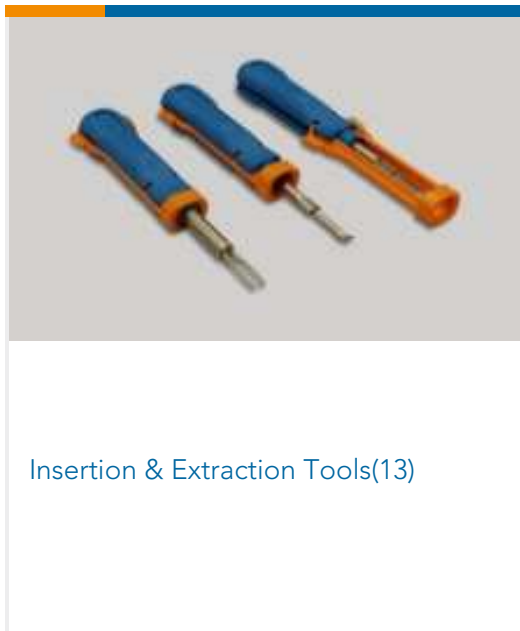
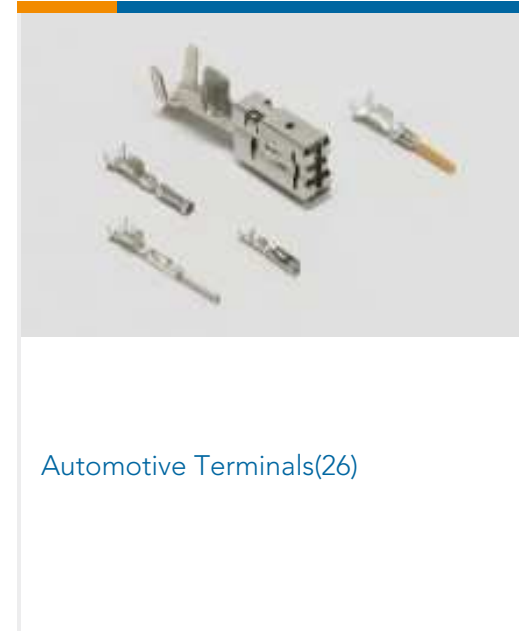
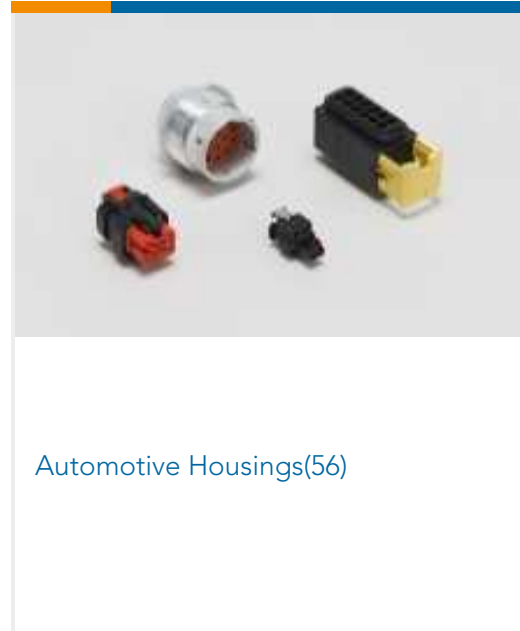
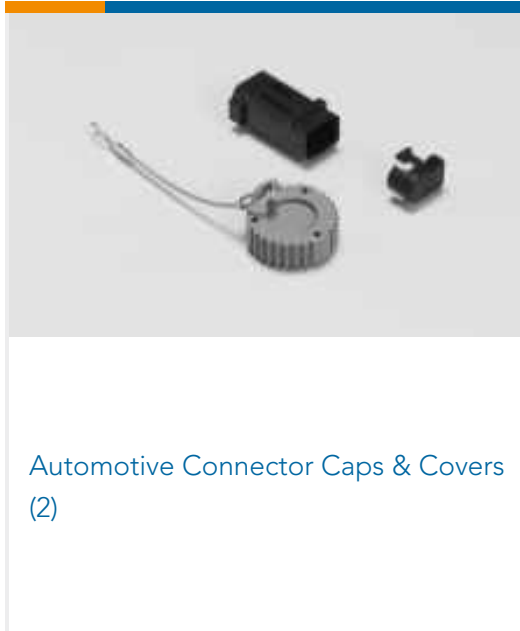
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

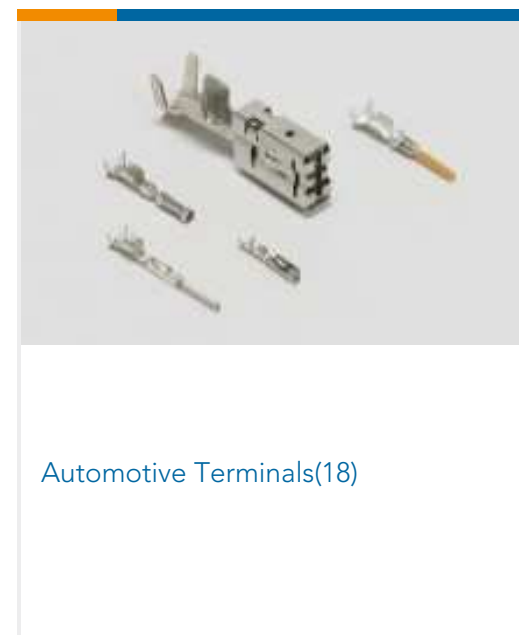
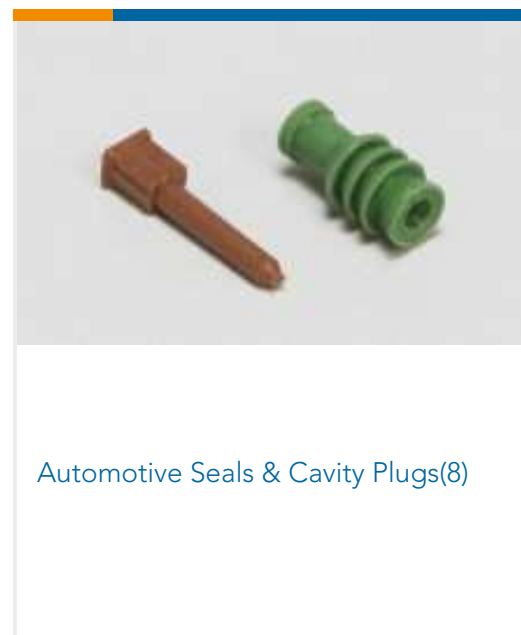
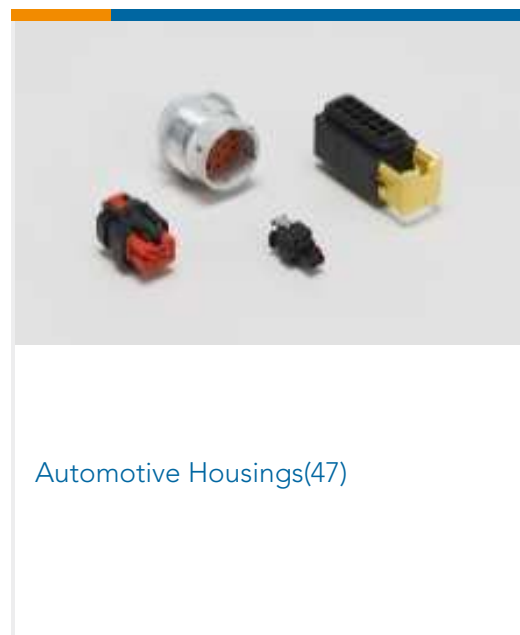
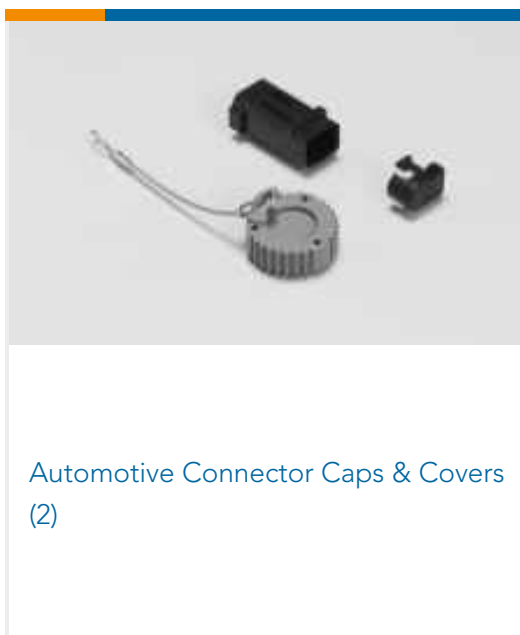
 <p>TE Part # 1544334-3 PL 2V 8MM NG1 MONT</p>	 <p>TE Part # 1544966-1 8MM NG1+ TERMINAL</p>	 <p>TE Part # 1544966-2 8MM NG1+ TERMINAL</p>	 <p>TE Part # 1544969-1 TAB, 8MM NG1 PLUS</p>
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### Also in the Series | NG Power Terminals and Connectors



### Also in the Series | NG1





Insertion & Extraction Tools(12)

## Customers Also Bought



TE Part #1534358-1  
RETAINER



TE Part #1544316-1  
JOINT VERT G2



TE Part #1452915-2  
30POS MIXED MQS REC SEALED



TE Part #1379659-6  
8W PLUG HOUSING ASSY RED,  
CONN KIT



TE Part #1544227-1  
CLIP 8 MM NG1-1 PO



TE Part #1827120-1  
SQUIB LOCKING BUTTON



TE Part #1544965-1  
8MM NG1+ TERMINAL



TE Part #1452920-1  
30 POS CONNECTOR COVER ASSY



TE Part #85069-2  
250 P.LOCK REC

## Documents

### Product Drawings

[PC 2V 8NG1 GRIS JT](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1544650-3\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1544650-3\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1544650-3\\_A.3d\\_stp.zip](#)

English

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

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## Product Specifications

[Product Specification](#)

English

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## Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[Instruction Sheet \(non U.S.\)](#)

French