



NG Power Terminals and Connectors, NG1

TE Internal #: 1544227-1

Automotive Terminals, Receptacle, Mating Tab Width 8 mm [.315 in], Tab Thickness 1 mm [.039 in], NG Power Terminals and Connectors

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Terminals & Splices > Automotive Terminals



Terminal Type: **Receptacle**

Mating Tab Width: **8 mm [ .315 in ]**

Mating Tab Thickness: **1 mm [ .039 in ]**

Terminal Transmits: **41 – 100 A (High Power)**

Wire Size: **12 – 9 AWG**

**Features**

**Product Type Features**

Sealable	No
Primary Locking Feature	Clean Body

**Contact Features**

Contact Size	8mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	43 A
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	8 mm [.315 in]
Mating Tab Thickness	1 mm [.039 in]
Interface Plating	Tin (Sn)

**Termination Features**

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

**Dimensions**

Compatible Insulation Diameter Range	3.2 – 4.4 mm [.126 – .173 in]
Wire Size	3 – 6 mm <sup>2</sup>
Wire Size Search	9 AWG, 10 AWG, 11 AWG, 12 AWG



### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C [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

Compatible With Wire Base Material	Copper
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### Packaging Features

Packaging Quantity	1300
Packaging Method	Reel

### Other

Terminal Transmits	41 – 100 A (High Power)
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### Product Compliance



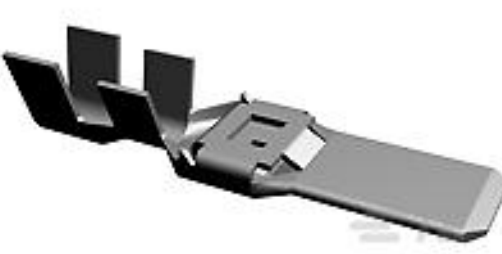















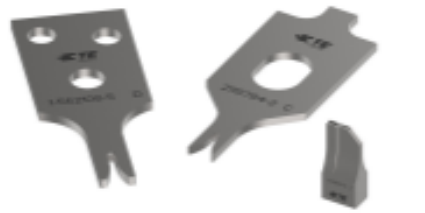
[For compliance documentation, visit the product page on TE.com>](#)

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1544317-1 PC 2V 8MM WP NG1 N</p>	 <p>TE Part # 1544316-1 JOINT VERT G2</p>	 <p>TE Part # 1544332-1 LANGUETTE 8MM NG1</p>	 <p>TE Part # 1544333-1 LANGUETTE 8MM NG1</p>
 <p>TE Part # 1544361-1 PC 2V 8 MM WP NG2</p>	 <p>TE Part # 1544603-1 1W 8MM NG1 SEALED CLIP ASSY BLACK</p>	 <p>TE Part # 1544317-2 PC 2V 8MM WP NG1 B</p>	 <p>TE Part # 1544317-3 PC 2V 8MM WP NG1 G</p>
 <p>TE Part # 1544601-1 PC 1V 8MM NG1 ETANCHABLE</p>	 <p>TE Part # 1544601-2 1W 8MM NG1 FOR SEALED</p>	 <p>TE Part # 1544601-3 RECEPTACLE HOUSING, 8MM NG1, 1 WAY</p>	 <p>TE Part # 1544603-2 1W 8MM NG1 SEALED CLIP ASSY BLUE</p>
 <p>TE Part # 1544603-3 1W 8MM NG1 SEALED CLIP ASSY GREY</p>	 <p>TE Part # 1544664-1 WIRE SEAL 8NG1</p>	 <p>TE Part # 1544680-3 RECPT HSG ASSY, 8MM NG1, 1W, SEALED, CPA</p>	 <p>TE Part # 2151853-2 OCEAN_2.0_Applicator-E-160F240OV</p>
 <p>TE Part # 4-1579008-6 EXTRACTION TOOL</p>	 <p>TE Part # 7-2151853-2 OCEAN_2.0_Applicator-E-160F240OV</p>	 <p><b>KIT</b> REPRESENTATION ONLY</p> <p>TE Part # 7-2151853-7 OCEAN_2.0_SPARE_PART_KIT- 160F240OV</p>	

## Also in the Series | NG Power Terminals and Connectors



Automotive Connector Caps & Covers (2)



Automotive Housings(54)



Automotive Terminals(28)



Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(13)

## Also in the Series | NG1



Automotive Connector Caps & Covers (2)



Automotive Housings(44)



Automotive Terminals(19)

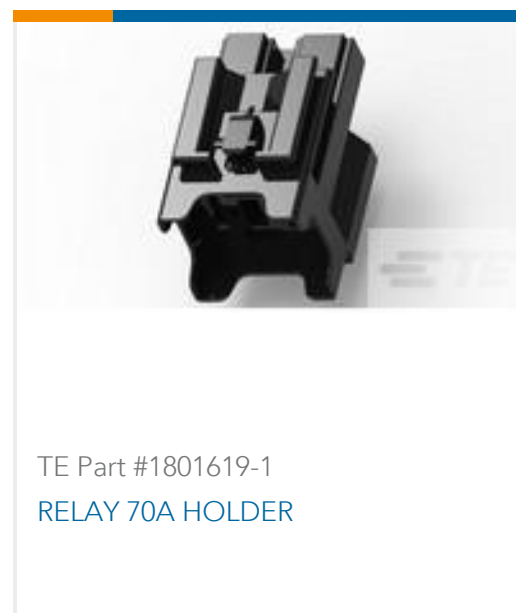
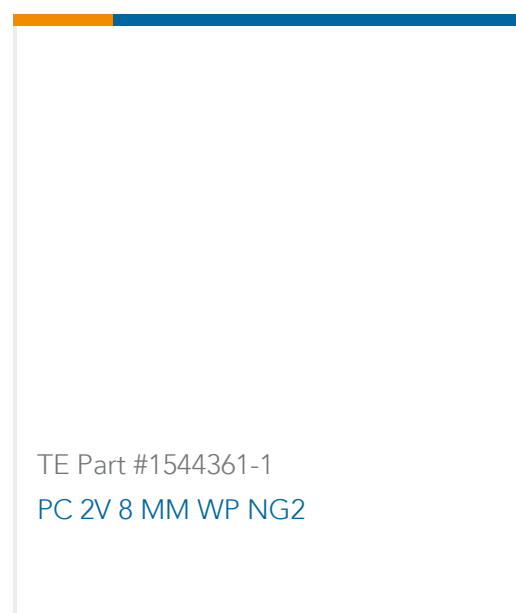
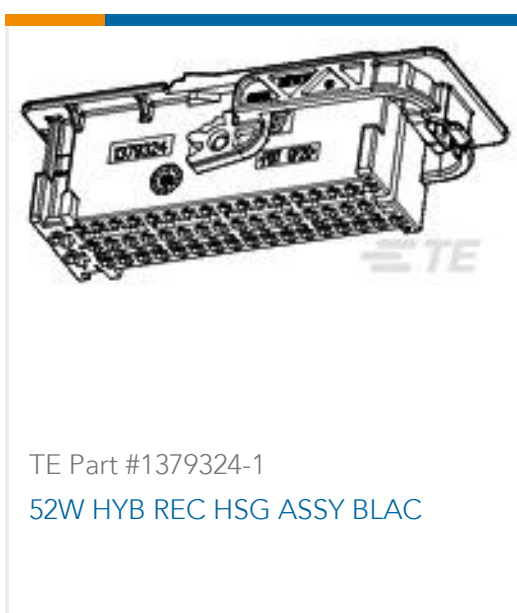


Connector Seals & Cavity Plugs(8)



Insertion & Extraction Tools(12)

## Customers Also Bought



## Documents

### Product Drawings

[CLIP 8 MM NG1-1 PO](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_1544227-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1544227-1\\_F.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1544227-1\\_F.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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## Product Specifications



### Product Specification

French

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### Instruction Sheets

Instruction Sheet (non U.S.)

French