



NG Power Terminals and Connectors, NG1

TE Internal #: 1544968-1

Automotive Terminals, Tab, Mating Tab Width 8 mm [.315 in], Tab Thickness .039 in [1 mm], 10 – 9 AWG Wire Size, NG Power Terminals and Connectors

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Terminals & Splices > Automotive Terminals



Terminal Type: **Tab**

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

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

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

Wire Size: **10 – 9 AWG**

**Features**

**Product Type Features**

Sealable	Yes
Primary Locking Feature	Clean Body

**Body Features**

Terminal Seal Type	Single Wire Seal (SWS)
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**Contact Features**

Contact Size	8mm
Contact Fabrication	Stamped & Formed
Typical Current Rating	49 A
Crimp Type	F-Crimp
Terminal Type	Tab
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**



Wire Size	5 – 6 mm <sup>2</sup>
Wire Size Search	9 AWG, 10 AWG
Wire Insulation Diameter	3.7 – 4.3 mm

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C [176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

### Operation/Application

Compatible With Wire Base Material	Copper
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### Packaging Features

Packaging Method	Reel
Packaging Quantity	1100

### 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: 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



TE Part # 1544334-1  
PL 2V 8MM NG1 MONT



TE Part # 1544980-1  
TAB HOUSING, 8MM NG1 PLUS, 2 WAY



TE Part # 1544965-1  
8MM NG1+ TERMINAL



TE Part # 1544334-2  
PL 2V 8MM NG1 MONT



TE Part # 1544334-3  
PL 2V 8MM NG1 MONT



TE Part # 1544980-2  
TAB HOUSING, 8MM NG1 PLUS, 2 WAY



TE Part # 1544980-3  
TAB HOUSING, 8MM NG1 PLUS, 2 WAY



TE Part # 1544980-4  
TAB HOUSING, 8MM NG1 PLUS, 2 WAY



TE Part # 2-2266583-2  
OCEAN\_2.0\_APPLICATOR-S-165F244OV



TE Part # 2266583-2  
OCEAN\_2.0\_APPLICATOR-S-165F244OV




TE Part # 7-2266583-2  
OCEAN\_2.0\_APPLICATOR-S-165F244OV

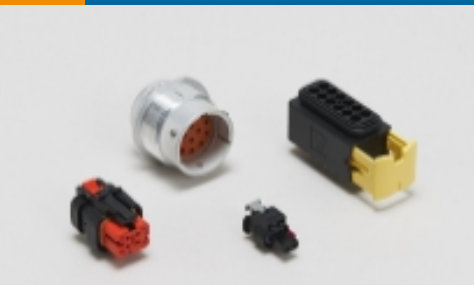


TE Part # 7-2266583-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-165F244OV


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




Automotive Connector Caps & Covers (2)



Automotive Housings(56)



Automotive Seals & Cavity Plugs(7)



Automotive Terminals(26)

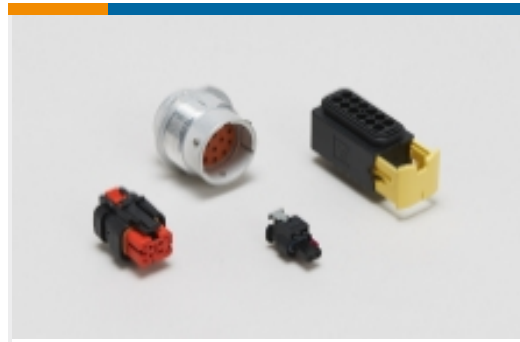


Insertion & Extraction Tools(13)

## Also in the Series | NG1



Automotive Connector Caps & Covers (2)



Automotive Housings(47)



Automotive Seals & Cavity Plugs(8)



Automotive Terminals(18)



Insertion & Extraction Tools(12)

## Customers Also Bought



TE Part #1544980-1  
TAB HOUSING, 8MM NG1 PLUS, 2  
WAY



TE Part #1544967-1  
TAB, 8MM NG1 PLUS



TE Part #1544970-2  
SEAL, NG9K

## Documents

### Product Drawings

TAB, 8MM NG1 PLUS

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_1544968-1\_A.2d\_dxf.zip



English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1544968-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1544968-1\\_A.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English