

1544969-1 ✓ ACTIVE

AMP | NG1, NG Power Terminals and Connectors

TE Internal #: 1544969-1

Tab, Mating Tab Width 8 mm [.315 in], Tab Thickness 1 mm [.039 in], 9 – 7 AWG Wire Size, NG Power Terminals and Connectors, Automotive Terminals

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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: **9 – 7 AWG**

### Features

#### Operation/Application

Compatible With Wire Base Material	Copper
Conforms to Automation Guideline	Yes, KOMAX Automatic Component Insertion per Version 5.0 (March 2018)

#### Packaging Features

Packaging Method	Reel
Packaging Quantity	850

#### Usage Conditions

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

#### Termination Features

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Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

### Dimensions

Compatible Insulation Diameter Range	4.9 – 5.9 mm [.193 – .233 in]
Wire Size	7 – 10 mm <sup>2</sup>
Wire Size Search	7 mm <sup>2</sup> , 8 mm <sup>2</sup> , 10 mm <sup>2</sup>

### Contact Features

Typical Current Rating	67 A
Crimp Type	F-Crimp
Contact Size	8mm
Contact Fabrication	Stamped & Formed
Terminal Type	Tab
Mating Tab Width	8 mm [.315 in]
Mating Tab Thickness	1 mm [.039 in]
Interface Plating	Tin (Sn)

### Product Type Features

Sealable	No
Primary Locking Feature	Clean Body

### Other

Terminal Transmits	41 – 100 A (High Power)
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 # CAT-NC1-MPTS4812  
Medium Power Terminals Single Wire  
Seals 4.8mm-12mm



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



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



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



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



TE Part # 1544650-2  
PC 2V 8NG1 BLEU JT



TE Part # 1544650-3  
PC 2V 8NG1 GRIS JT



TE Part # 1544653-1  
PC 2V 8NG1 NOIR



TE Part # 1544653-2  
PC 2V 8NG1 BLEU



TE Part # 1544678-1  
SEALED 8NG1 2W HSG WITHOUT SKIRT AND CPA



TE Part # 1544678-2  
SEALED 8NG1 2W HSG WITHOUT SKIRT AND CPA



TE Part # 1544679-1  
2POS,NG1 CLIP 8MM,REC HSG,WITH CPA,ASSY




TE Part # 1544680-2  
RECEPT HSG ASSY, 8MM NG1, 1W,  
SEALED, CPA



TE Part # 1544970-2  
SEAL, NG9K



TE Part # 1544970-3  
SEAL, NG9K



TE Part # 1544978-1  
RECEPT HSG ASSY, 8MM NG1+, 2W,  
SEALED




TE Part # 1544978-2  
RECEPT HSG ASSY, 8MM NG1+, 2W,  
SEALED



TE Part # 1544978-3  
RECEPT HSG ASSY, 8MM NG1+, 2W,  
SEALED




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




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

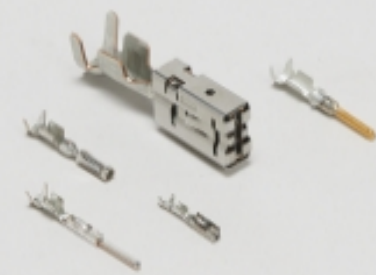
Also in the Series | **NG1**




Automotive Connector Caps & Covers  
(1)




Automotive Housings(33)



Automotive Terminals(26)



Connector Seals & Cavity Plugs(10)

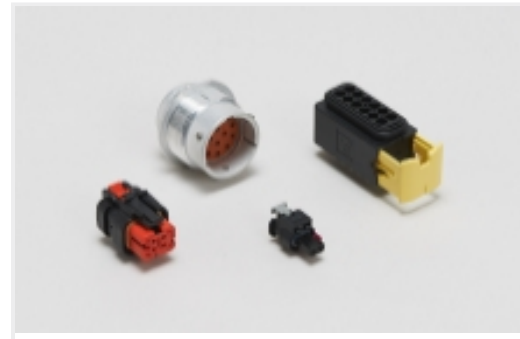


Insertion & Extraction Tools(12)

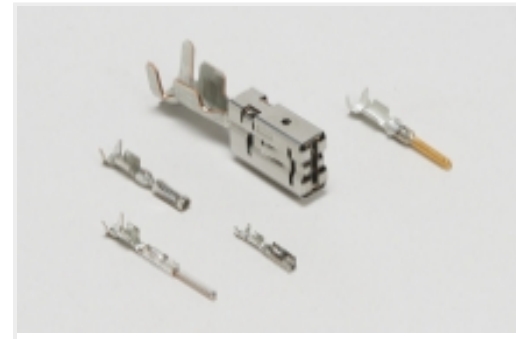
Also in the Series | **NG Power Terminals and Connectors**



Automotive Connector Caps & Covers (1)



Automotive Housings(48)



Automotive Terminals(25)



Connector Seals & Cavity Plugs(9)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(1)

## Customers Also Bought



TE Part #90760-1  
PROCRIMP TL W/DIE MIN UNIV MNL



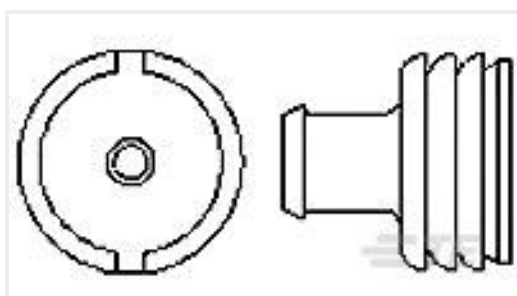
TE Part #0021036031  
RBK-ILS-125-NR3-0-30MM



TE Part #8638626096  
RNF-3000 Heat Shrink Tubing



TE Part #1544603-1  
1W 8MM NG1 SEALED CLIP ASSY BLACK



TE Part #967607-1  
PQ EINZELLEITDICHTG



TE Part #1801175-1  
2W RECEPTACLE HP CONNECTOR BLACK



TE Part #1-1801155-5  
COVER FOR 2W HP CONNECTOR



TE Part #1544966-1  
8MM NG1+ TERMINAL



TE Part #1544970-3  
SEAL, NG9K

## Documents



## Product Drawings

### TAB, 8MM NG1 PLUS

English

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## CAD Files

### Customer View Model

[ENG\\_CVM\\_CVM\\_1544969-1\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_1544969-1\\_A.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1544969-1\\_A.3d\\_stp.zip](#)

English

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## Product Specifications

### Application Specification

English