

1544227-1 ✓ ACTIVE

AMP | 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

[View on TE.com >](#)



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 ²
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 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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>

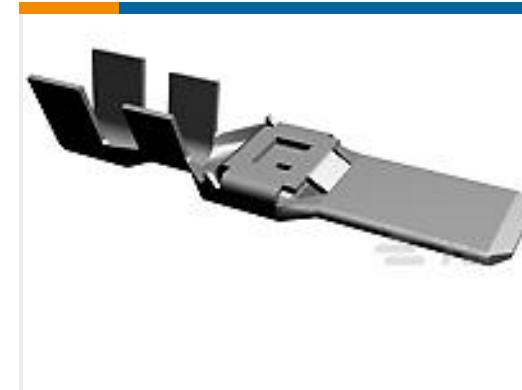
Compatible Parts



TE Part # CAT-NC1-MPTS4812
Medium Power Terminals Single Wire
Seals 4.8mm-12mm



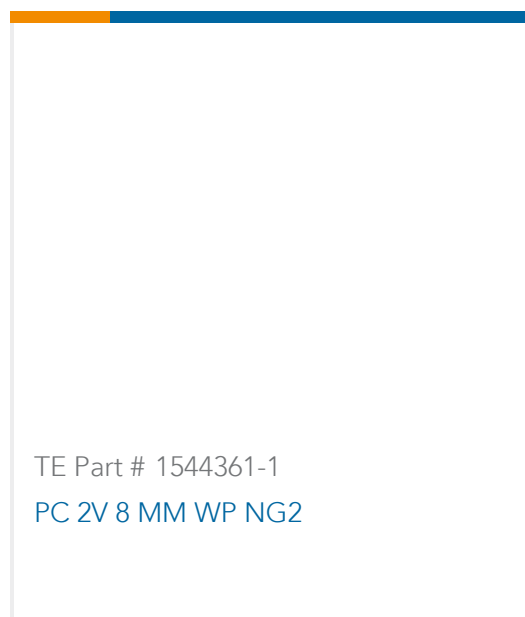
TE Part # 1544317-1
PC 2V 8MM WP NG1 N



TE Part # 1544332-1
LANGUETTE 8MM NG1



TE Part # 1544333-1
LANGUETTE 8MM NG1



TE Part # 1544361-1
PC 2V 8 MM WP NG2



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



TE Part # 1544317-2
PC 2V 8MM WP NG1 B



TE Part # 1544317-3
PC 2V 8MM WP NG1 G



TE Part # 1544601-1
PC 1V 8MM NG1 ETANCHABLE



TE Part # 1544601-2
1W 8MM NG1 FOR SEALED



TE Part # 1544601-3
RECEPTACLE HOUSING, 8MM NG1, 1
WAY



TE Part # 1544603-2
1W 8MM NG1 SEALED CLIP ASSY
BLUE



TE Part # 1544603-3
1W 8MM NG1 SEALED CLIP ASSY
GREY



TE Part # 1544680-3
RECPT HSG ASSY, 8MM NG1, 1W,
SEALED, CPA



TE Part # 2151853-2
OCEAN_2.0_Applicator-E-160F240OV-
SEA



TE Part # 4-1579008-6
EXTRACTION TOOL



TE Part # 7-2151853-7
OCEAN_2.0_SPARE_PART_KIT-
160F240OV



TE Part # 7-2151853-2
OCEAN_2.0_Applicator-E-160F240OV

Also in the Series | NG Power Terminals and Connectors



Automotive Connector Caps & Covers (2)



Automotive Housings(61)



Automotive Terminals(28)



Connector Seals & Cavity Plugs(9)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(1)

Also in the Series | NG1



Automotive Connector Caps & Covers (2)



Automotive Housings(41)



Automotive Terminals(30)



Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(12)

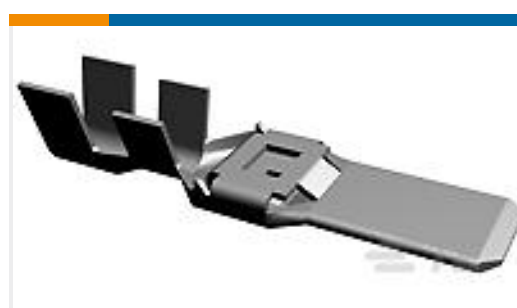
Customers Also Bought



TE Part #2525596021
RBK-ILS-125-NR1-0-30MM



TE Part #1-1452920-1
COVER ASSY FOR 30 POS EPB CONN



TE Part #1544332-1
LANGUETTE 8MM NG1



TE Part #1544606-1
TAB HOUSING, 8MM NG1, 1 WAY



TE Part #1544361-2
2W 8MM NG2 REC.ASS.BROWN



TE Part #1544650-1
PC 2V 8NG1 NOIR JT



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



TE Part #2334430-2
050/110 HYB 36P COVER HSG



TE Part #1-953600-1
5/4W MCP RCPT HSG ASSY



TE Part #1544504-2
CLIP 6,3 SECU 1-3

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

Instruction Sheets

Instruction Sheet (non U.S.)

French