

1544603-1 ✓ ACTIVE

AMP | NG Power Terminals and Connectors, NG1

TE Internal #: 1544603-1

12 V / 24 V / 48 V, 1 Position, Automotive Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Hybrid

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 1

Sealable: **Yes**

Operating Temperature Range: -40 – 100 °C [ -40 – 212 °F ]

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	1
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### Electrical Characteristics

Operating Voltage	13 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

### Body Features

Cable Exit Angle	180 °
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Primary Product Color	Black
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Connector & Keying Code	Neutral
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### Contact Features

Contact Size	8mm
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Contact Type	Receptacle
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Mating Tab Width	8 mm [.314 in]
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### Mechanical Attachment

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

Housing Material	PBT
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### Dimensions

Product Width	40 mm [1.575 in]
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Product Length	25.6 mm [1.008 in]
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Connector Height	31 mm [1.22 in]
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### Usage Conditions

Operating Temperature Range	-40 – 100 °C [-40 – 212 °F]
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Operating Temperature (Max)	100 °C [212 °F]
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### Industry Standards

IP Rating	IP67
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UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Quantity	2000
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Packaging Method	Box
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### Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1544227-1  
CLIP 8 MM NG1-1 PO



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



TE Part # 1544228-1  
CLIP 8 MM NG1-1 PO

### Also in the Series | NG1



Automotive Housings(45)



Automotive Seals & Cavity Plugs(11)



Automotive Signal & Power Connector Housings(45)

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



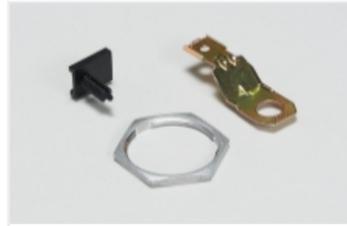
Automotive Housings(45)



Automotive Seals & Cavity Plugs(11)

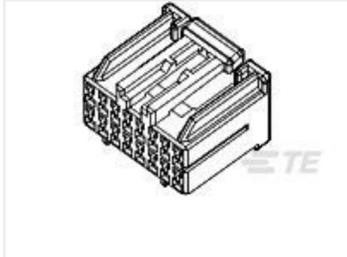


Automotive Signal & Power Connector Housings(45)



Other Automotive Connector Accessories(1)

## Customers Also Bought



TE Part #917978-6  
HYBRID MK-2 PLUG HSG ASSY 12P



TE Part #964322-1  
SPT A REC 6.3 Contact SRC Sn



TE Part #1-1379658-1  
4W RCPT HSG CODING 1 NATURAL



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



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



TE Part #1-1801175-3  
2W RECEPTACLE HP CONNECTOR GREY



TE Part #1-1801175-6  
2W RECEPTACLE HP CONNECTOR BROWN



TE Part #1-1801356-1  
ROTATIVE COVER, RIGHT ANGLE, 2W HP CONN



TE Part #2307645-1  
8POS,ECONOSEAL,TAB HSG,SLD



TE Part #2307646-1  
TPA TAB HSG,8POS,ECONOSEAL

## Documents

### Product Drawings

[1W 8MM NG1 SEALED CLIP ASSY BLACK](#)

English

[1W 8MM NG1 SEALED CLIP ASSY BLACK](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1544603-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1544603-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1544603-1\\_B.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English

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### Instruction Sheets

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

English

[PRECONISATION DE CONTROLE PAR < PUSH-TEST > DU PORTE-CLIP 1 VOIE 8NG1 ETANCHE TESTING INSTRUCTIONS FOR < PUSH TEST > ON THE 1-WAY 8NG1 WATERPROOF CLIP HOUSING](#)

English

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

English

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

French