

776286-1 ✓ ACTIVE

AMP | AMPSEAL

TE Internal #: 776286-1

12 V, 8 Position, Automotive Plug, Wire-to-Board / Wire-to-Panel, 4 mm [.157 in] Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL

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Automotive Parts > Automotive Connectors > Automotive Housings > AMPSEAL Receptacle Housings



Nominal Voltage Architecture: 12 V

Connector & Housing Type: Plug

Number of Positions: 8

Sealable: Yes

Operating Temperature Range: -40 – 125 °C [ -40 – 257 °F ]

[All AMPSEAL Receptacle Housings \(31\)](#)

## Features

### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Plug
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board, Wire-to-Panel
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	8
Number of Rows	3

### Electrical Characteristics

Operating Voltage	159 VDC
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Nominal Voltage Architecture	12 V
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### Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	2, 4

### Contact Features

Contact Size	1.3mm
Contact Type	Socket
Mating Pin Diameter	1.3 mm[.051 in]
Contact Current Rating (Max)	17 A

### Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	PBT
Centerline (Pitch)	4 mm[.157 in]

### Dimensions

Row-to-Row Spacing	4 mm[.157 in]
Product Width	38.3 mm[1.5 in]
Product Length	27.4 mm[1.08 in]
Connector Height	34.5 mm[1.35 in]

### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operating Temperature (Max)	125 °C[257 °F]

### Operation/Application

Circuit Application	Power
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### Industry Standards

IP Rating	IP67, IP69K
UL Flammability Rating	UL 94V-0



### Packaging Features

Packaging Quantity	56
Packaging Method	Tray

### Other

Serviceable	Yes
Connector Position Assurance Capable	No

### 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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in 27519454046) Decamethylcyclopentasiloxane (D5) (.5% in 27519830220) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519830220) <b>Article Safe Usage Statements:</b> Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 2503943-1  
8POS,PIN DIA 1.3,HDR ASSY,90DEG



TE Part # 2437600-1  
AMPSEAL HDR 8P VERTICAL COD1, TIN



TE Part # CAT-J04-ARH  
AMPSEAL Robust Headers



TE Part # 2437601-1  
AMPSEAL HDR 8P RA COD1, TIN



TE Part # CAT-AM78-T273  
AMPSEAL Crimp Contacts: 1.3 mm



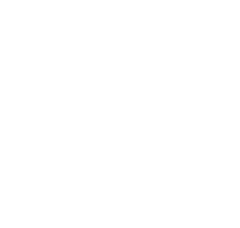
TE Part # 58529-1  
PRO-CRIMPER III TOOL AMPSEAL



TE Part # 2373965-1  
CPA,AMPSEAL



TE Part # 770678-1  
SEAL PLUG, AMPSEAL



TE Part # 2489686-1  
8POS,PIN DIA 1.3,HDR ASSY,180DEG



TE Part # CAT-J04-APHH  
AMPSEAL PCB Right-Angle Headers



TE Part # CAT-AM78-H342  
AMPSEAL PCB Vertical Headers



TE Part # 2138529-1  
STRAIN RELIEF,8 POSITION AMPSEAL

## Also in the Series | AMPSEAL



Automotive Connector Caps & Covers (5)



Automotive Housings(34)



Automotive Terminals(8)



Other Automotive Connector Accessories(2)

## Customers Also Bought



## Documents

### Product Drawings

[8POS,AMPSEAL,SOC HSG ASSY,SLD,COD 1](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_776286-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776286-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776286-1\\_G.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[AMPSEAL Connector Series](#)

English

[AMPSEAL Connector Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English



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**Product Specifications**

**Engineering Report**

English

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**Agency Approvals**

**UL Report**

English