

1-776200-1 ✓ ACTIVE

[AMP](#) | [AMPSEAL](#)

TE Internal #: 1-776200-1

PCB Mount Header, Vertical, Wire-to-Board, 23 Position, .157 in [4 mm] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Sealable, AMPSEAL

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[Connectors](#) > [PCB Connectors](#) > [PCB Headers & Receptacles](#) > [AMPSEAL PCB Headers](#)



Connector System: **Wire-to-Board**

Number of Positions: **23**

Centerline (Pitch): **4 mm [ .157 in ]**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

[All AMPSEAL PCB Headers \(54\)](#)

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	23
PCB Mount Orientation	Vertical
Number of Rows	3

### Body Features

Primary Product Color	Black
Connector Code	14, 4

### Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	17 A



### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	4 mm [.157 in]
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### Dimensions

PCB Thickness (Recommended)	1.57 mm [.062 in]
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### Usage Conditions

Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Type	Tray
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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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

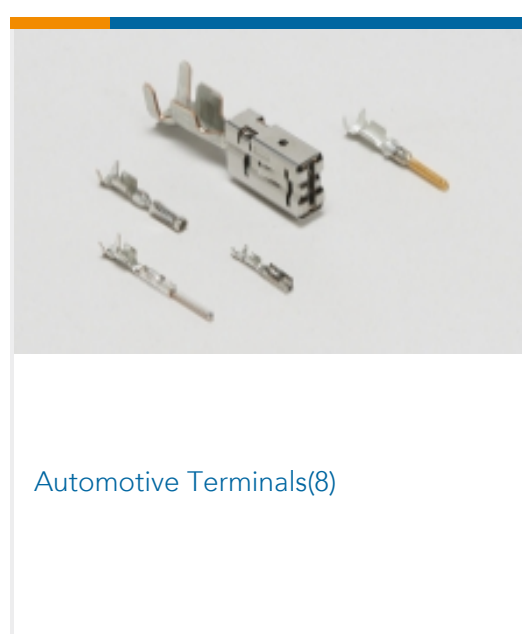
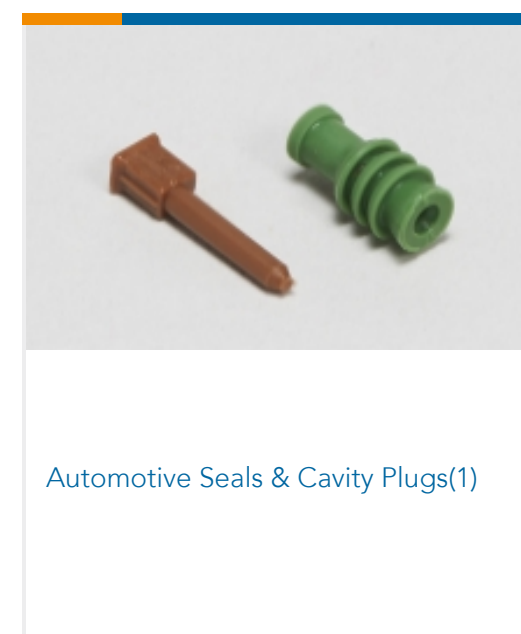
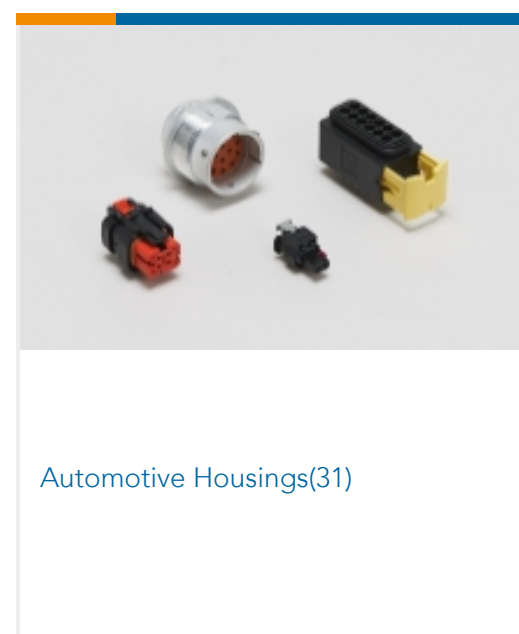
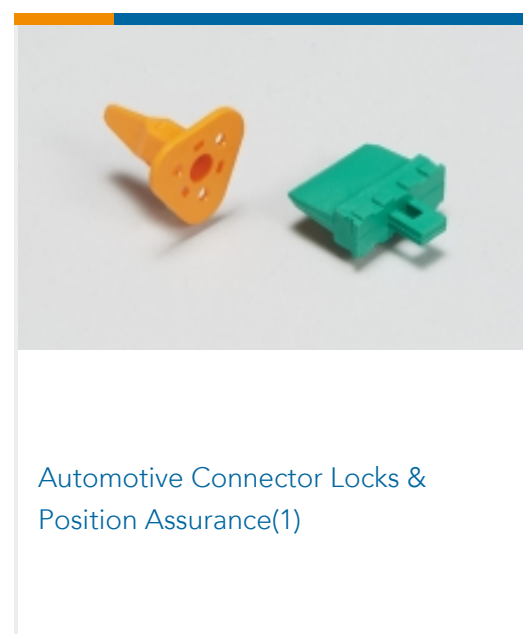
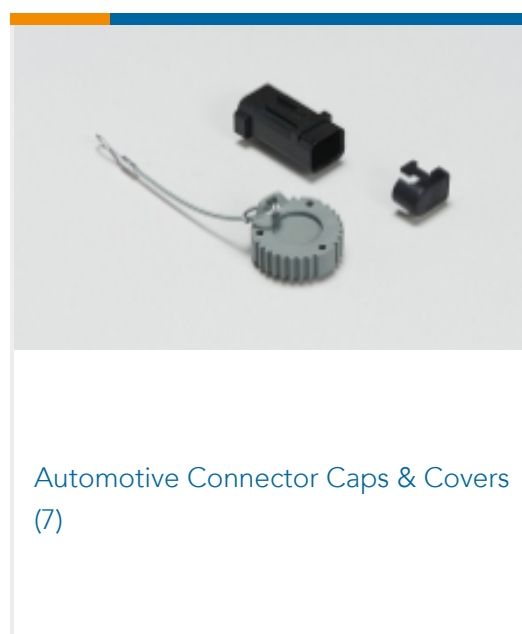
## Product Compliance Disclaimer

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



## Also in the Series | AMPSEAL



## Customers Also Bought



TE Part #HDT-50-00  
CRIMP TOOL



TE Part #1-1571076-0  
PRASA1-16F-BB0BW=POWER  
ROCKER



TE Part #776164-5  
AMPSEAL Receptacle Housings



TE Part #344103-1  
18W ENG.MAN.SYS.HEADER



TE Part #1-776275-1  
AMPSEAL PCB Headers



TE Part #776464-2  
WIRE RELIEF, PLUG, 23 POSITION



TE Part #2112233-1  
COVER,90,FOR 46POS



TE Part #2120833-1  
AMPSEAL PIN HEADER 23POS GOLD

## Documents

### Product Drawings

23POS,PIN DIA 1.3,HDR ASSY,180DEG,SLDR

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_1-776200-1\\_D3.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-776200-1\\_D3.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-776200-1\\_D3.2d\\_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-776200-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-776200-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-776200-1\\_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 Catalog

English

#### ICT Terminals and Connectors Catalogue

English

#### CONNECTOR SELECTOR

English

### Product Specifications

#### Application Specification

English

### Agency Approvals

#### UL Report

English