

1-776200-1 ✓ ACTIVE

[AMP](#) | AMPSEAL

TE Internal #: 1-776200-1

PCB Mount Header, Vertical, Wire-to-Board, 23 Position, 4 mm [.157 in] 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 \(58\)](#)

## Features

### Product Type Features

Connector Shape	Rectangular
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
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### Contact Features

Contact Size	1.3mm
Contact Type	Pin
Contact Mating Area Plating Material	Gold



Contact Current Rating (Max)	17 A
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### Termination Features

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

Mating Alignment	With
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PCB Mount Alignment	With
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PCB Mount Retention	Without
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Connector Mounting Type	Fixing Screw
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### Housing Features

Centerline (Pitch)	4 mm [.157 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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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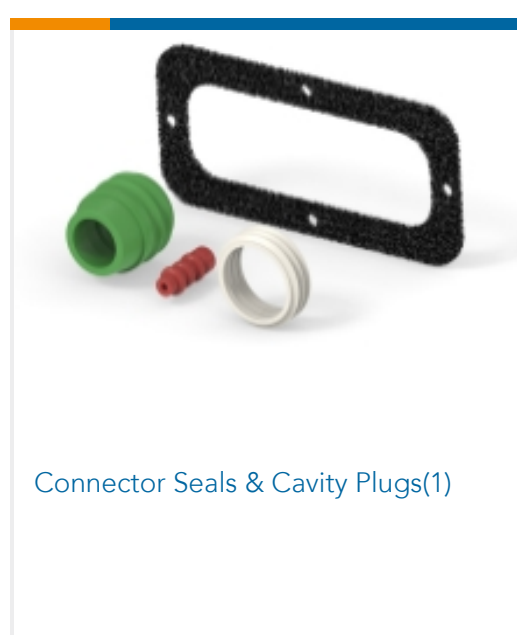
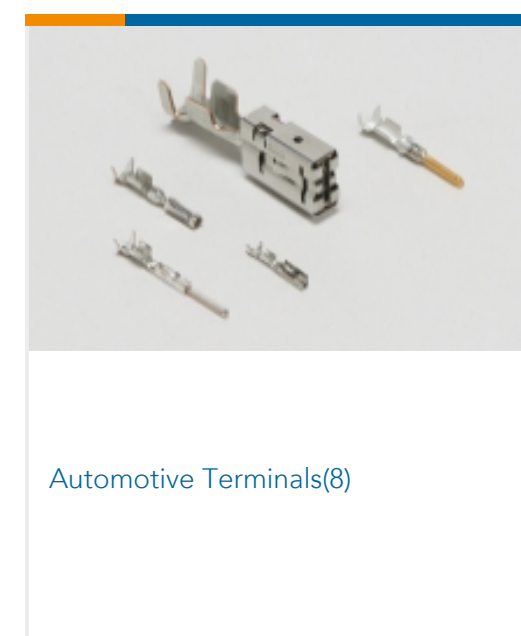
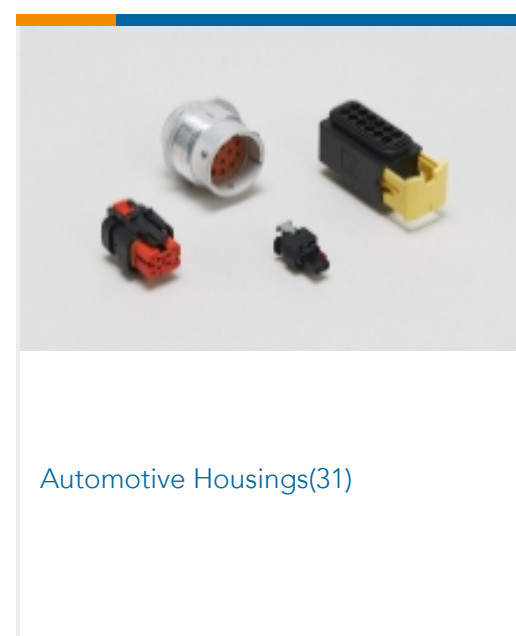
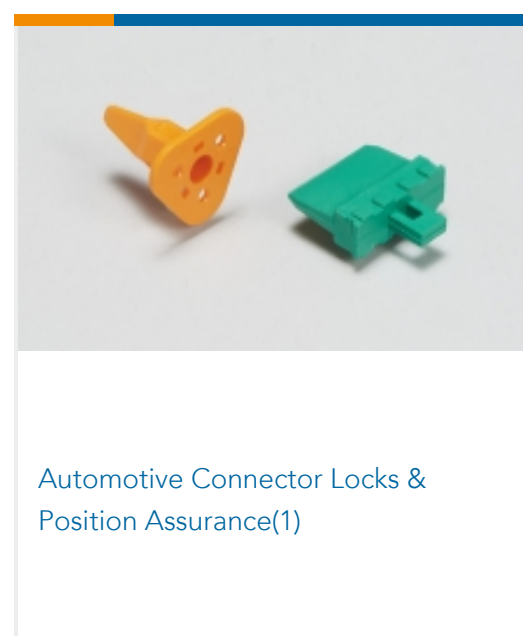
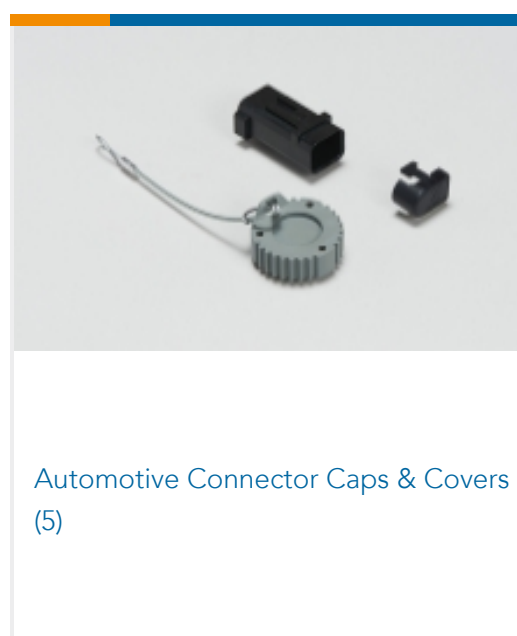
Product Compliance Disclaimer

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 #1-776275-1  
AMPSEAL PCB Headers



TE Part #1-776279-1  
8POS, PIN DIA 1.3, HDR ASSY, 90DEG,  
COD 1



TE Part #2-2331102-1  
TAB HEADER 46POS.



TE Part #3-2112231-2  
46POS, AMP MCP1.5K, REC HSG, ASSY



TE Part #DT06-12SB-CE06  
PLG, 12P, BLK, E, SEAL RET, ENH KEY,  
B



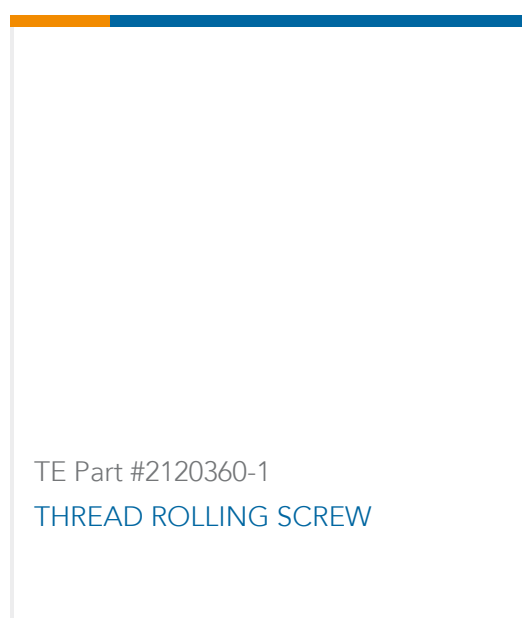
TE Part #3-6437630-5  
F4TN0904=MINIATURE TOGGLE



TE Part #1-2331102-1  
TAB HEADER 46POS.



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



TE Part #2120360-1  
THREAD ROLLING SCREW

## Documents

### Product Drawings

23POS, PIN DIA 1.3, HDR ASSY, 180DEG, COD 1

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.

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## Datasheets & Catalog Pages

[AMPSEAL Connector Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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## Product Specifications

[Application Specification](#)

English

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## Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

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## Agency Approvals

[UL Report](#)

English