

2272889-4 ✓ ACTIVE

AMP | AMPSEAL 16

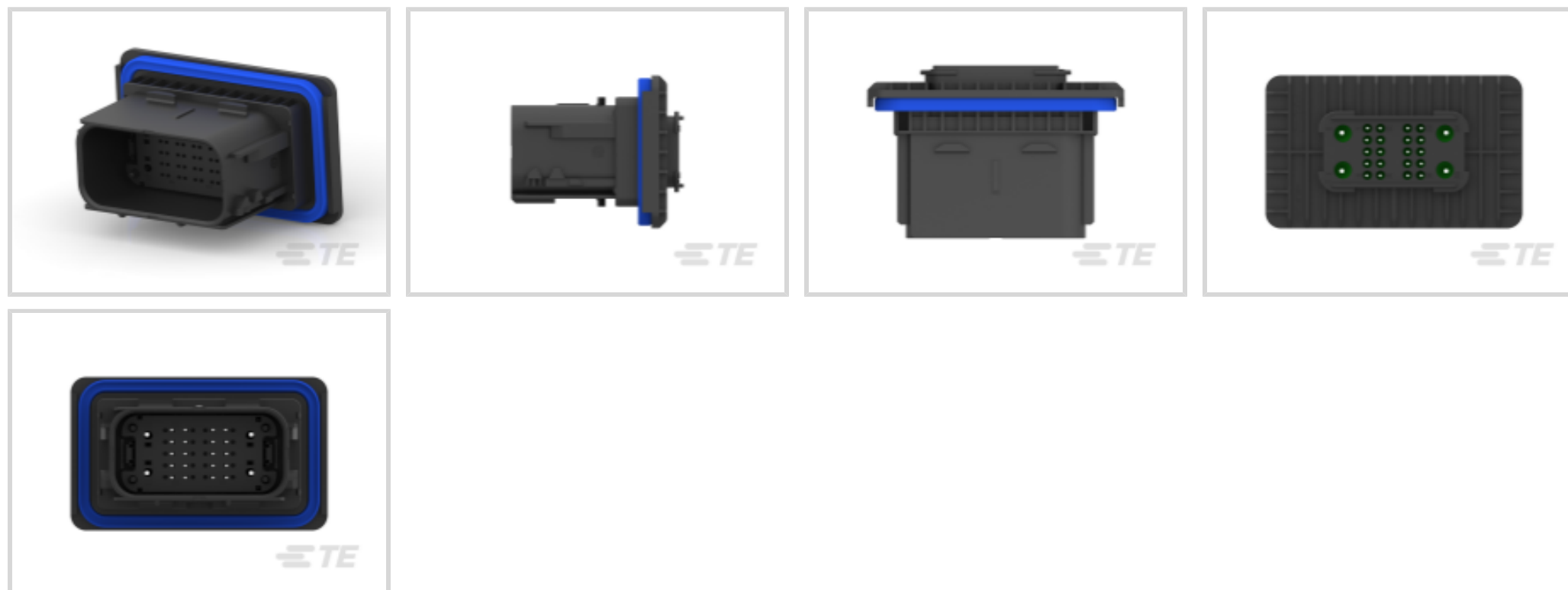
TE Internal #: 2272889-4

AMPSEAL 16, Automotive Headers, Wire-to-Wire, 24 Position, 4.32 mm Centerline, Sealable, Horizontal, 4 Row, Black, Nickel (Ni), Wire & Cable

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Headers



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

Number of Positions: **24**

Centerline (Pitch): **4.32 mm**

Sealable: **Yes**

PCB Mount Orientation: **Horizontal**

## Features

### Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Hybrid Header                     | Yes          |
| Connector System                  | Wire-to-Wire |
| Sealable                          | Yes          |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

|                            |            |
|----------------------------|------------|
| Number of Sections         | 1          |
| Number of Signal Positions | 20         |
| Number of Positions        | 24         |
| PCB Mount Orientation      | Horizontal |
| Number of Rows             | 4          |

### Electrical Characteristics

|                              |      |
|------------------------------|------|
| Nominal Voltage Architecture | 24 V |
|------------------------------|------|

### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|



|                |   |
|----------------|---|
| Connector Code | D |
|----------------|---|

### Contact Features

|                                      |             |
|--------------------------------------|-------------|
| Mating Pin Diameter                  | .99 mm      |
| Contact Mating Area Plating Material | Nickel (Ni) |
| Contact Current Rating (Max)         | 7.5 A       |

### Mechanical Attachment

|                         |          |
|-------------------------|----------|
| Locking Interface       | With     |
| Panel Mount Feature     | Without  |
| Connector Mounting Type | Bulkhead |

### Housing Features

|                    |         |
|--------------------|---------|
| Centerline (Pitch) | 4.32 mm |
|--------------------|---------|

### Dimensions

|                |         |
|----------------|---------|
| Product Width  | 31.9 mm |
| Product Length | 63.2 mm |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C                     |
| Operating Temperature Range | -40 – 125 °C, -40 – 125 °C |

### Operation/Application

|                     |                |
|---------------------|----------------|
| Shielded            | No             |
| Circuit Application | Power & Signal |

### Industry Standards

|                        |         |
|------------------------|---------|
| Degree of Protection   | IP6K9K  |
| UL Flammability Rating | UL 94HB |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Type     | Tray |
| Packaging Quantity | 80   |

### 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: JUL 2021 (219)<br>Candidate List Declared Against: JAN 2021 (211)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Yet Reviewed for halogen content  |
| Solder Process Capability                     | Not reviewed 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>

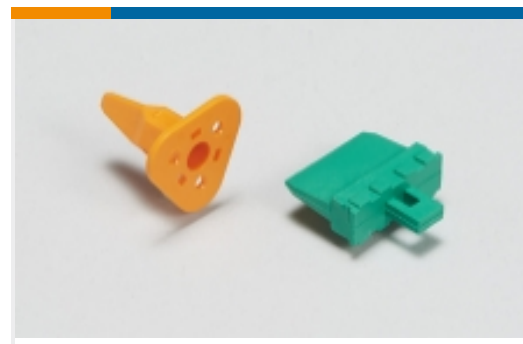
### Compatible Parts

|  |   |  |  |
|--|---|--|--|
|  <p>TE Part # 2203859-4<br/>24POS, HYBRID, SOC HSG ASSY, SLD, COD D</p> |  <p>TE Part # 2203876-1<br/>MOUNTING CLIP, ML CONN, 5MM PANEL</p>    |  <p>TE Part # 2203876-2<br/>MOUNTING CLIP, ML CONN, 4MM PANEL</p> |  <p>TE Part # 2203876-3<br/>MOUNTING CLIP, ML CONN, 3MM PANEL</p>   |
|  <p>TE Part # 2203956-1<br/>COVER, AMPSEAL 16 ML CONN, 180 DEG</p>      |  <p>TE Part # 2203956-2<br/>PIN CONN CVR, 16POS, HYBRID, 180 DEG</p> |  <p>TE Part # 2272307-1<br/>COVER, AMPSEAL 16 ML CONN, 90 DEG</p> |  <p>TE Part # 2272307-2<br/>PIN CONN CVR, 16POS, HYBRID, 90 DEG</p> |

Also in the Series | **AMPSEAL 16**



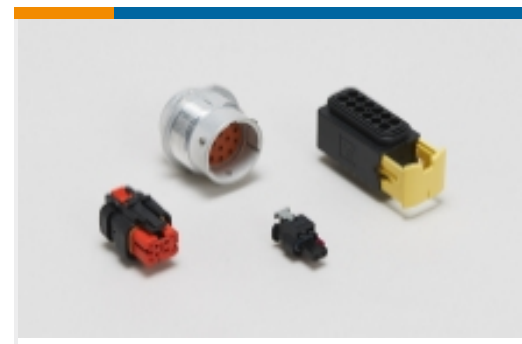
Automotive Connector Caps & Covers (76)



Automotive Connector Locks & Position Assurance(2)



Automotive Headers(3)



Automotive Housings(237)



Automotive Seals & Cavity Plugs(4)



Automotive Terminals(33)



Other Automotive Connector Accessories(11)

## Customers Also Bought



TE Part #966029-1  
MESSERLEISTE 22P



TE Part #1-825457-6  
MOD 2 PINHDR 2X16P.



TE Part #1-928776-3  
MOD2 STIFT M A-PIN



TE Part #104809-4  
05 MTE HDR SRST LATCH W/HLDWN



TE Part #104809-6  
07 MTE HDR SRST LATCH W/HLDWN



TE Part #1725761-1  
KIT,SEATING TOOL, 1X4



TE Part #3-1393480-3  
V23529B1122C215=SUB D STIFTLEI

## Documents

### Product Drawings

[24POS,HYBRID,HDR ASSY,180DEG,COD D](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2272889-4\\_2.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2272889-4\\_2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2272889-4\\_2.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

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

English