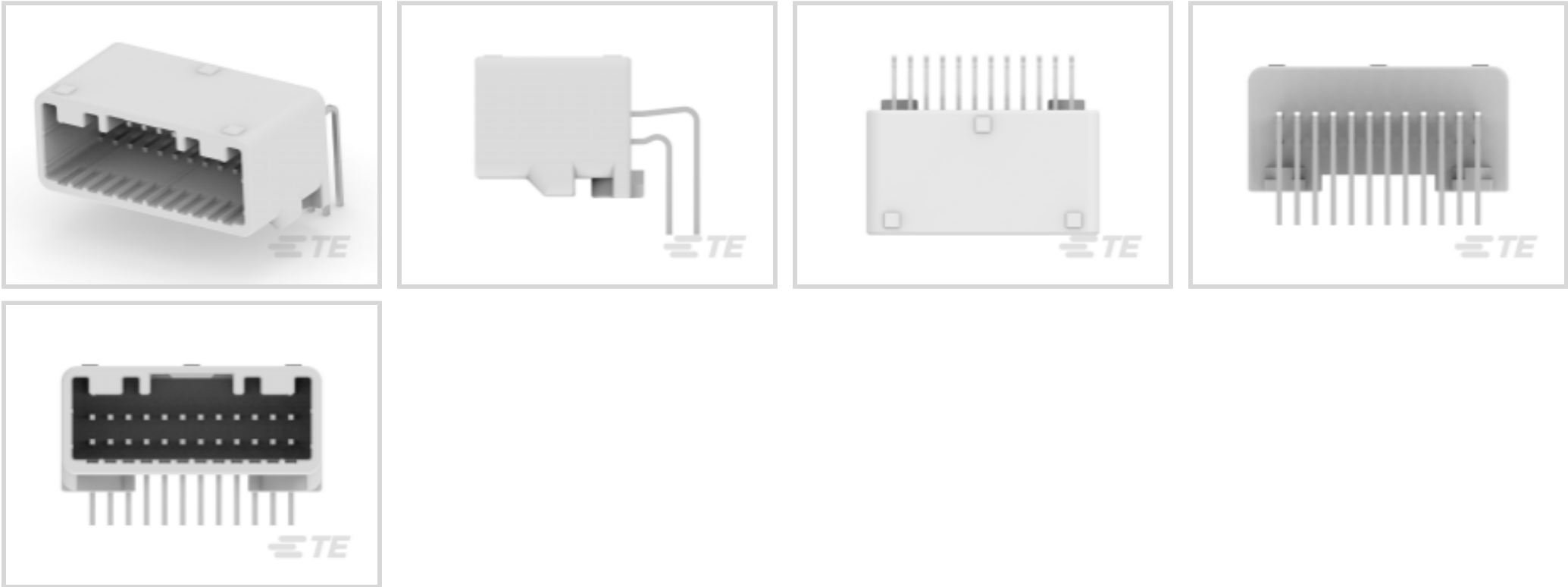




Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header



PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **3 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Centerline (Pitch): **2.2 mm [ .08 in ]**

[All Signal Header \(189\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Header Type                       | Fully Shrouded        |
| Connector Shape                   | Rectangular           |
| Sealable                          | No                    |
| Connector System                  | Wire-to-Board         |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                            |            |
|----------------------------|------------|
| Number of Signal Positions | 24         |
| Number of Sections         | 1          |
| PCB Mount Orientation      | Horizontal |
| Number of Positions        | 24         |
| Number of Rows             | 2          |



Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 12 VDC |
| Voltage Rating (Max)         | 12 VDC |
| Nominal Voltage Architecture | 12 V   |

Body Features

|                         |         |
|-------------------------|---------|
| Connector & Keying Code | 1       |
| Primary Product Color   | Natural |

Contact Features

|                                      |                |
|--------------------------------------|----------------|
| Mating Tab Width                     | .64 mm[.02 in] |
| Mating Tab Thickness                 | .64 mm[.02 in] |
| Contact Type                         | Tab            |
| Contact Current Rating (Max)         | 3 A            |
| Contact Mating Area Plating Material | Tin (Sn)       |

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

|                          |                   |
|--------------------------|-------------------|
| Panel Mount Feature      | Without           |
| Mating Retention Type    | Locking Interface |
| PCB Mount Retention      | Without           |
| Mounting Holes           | With              |
| PCB Mount Retention Type | Mounting Hole     |
| Mating Alignment         | With              |
| PCB Mount Alignment      | Without           |
| Connector Mounting Type  | Board Mount       |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.2 mm[.08 in] |
|--------------------|----------------|

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Width             | 31.8 mm[1.25 in] |
| PCB Thickness (Recommended) | 1.6 mm[.06 in]   |
| Connector Length            | 18.4 mm[.72 in]  |
| Profile Height from PCB     | 15.5 mm[.61 in]  |

Usage Conditions



|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 14   |
| Packaging Method   | Tube |

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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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                     | Wave solder capable to 240°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



TE Part # 1318854-1  
025 CAP HSG 24P H-TYPE

TE Part # CAT-T319-CH8172  
TH/.025 CONNECTOR SYSTEM,  
HOUSING

TE Part # CAT-T319-T273  
TH/.025 CONNECTOR SYSTEM,  
RECPT AND TAB

Also in the Series

0.64/025 Connector System

Automotive Connector Caps & Covers  
(6)

Automotive Housings(180)

Automotive Signal & Power Headers  
(172)

Automotive Terminals(21)

Other Automotive Connector  
Accessories(5)

Customers Also Bought

TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #CAT-D48-ST273  
DEUTSCH Connector Solid Contacts

TE Part #CAT-D487-W416  
WedgeLocks: DEUTSCH DT

TE Part #281934-2  
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



Documents

Product Drawings

025 CAP HSG ASSY 24P

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1318853-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1318853-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1318853-1\_F.3d\_stp.zip

English

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

Product Specifications

Crimping of 025 Receptacle Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

Instruction Sheet (non U.S.)

Japanese