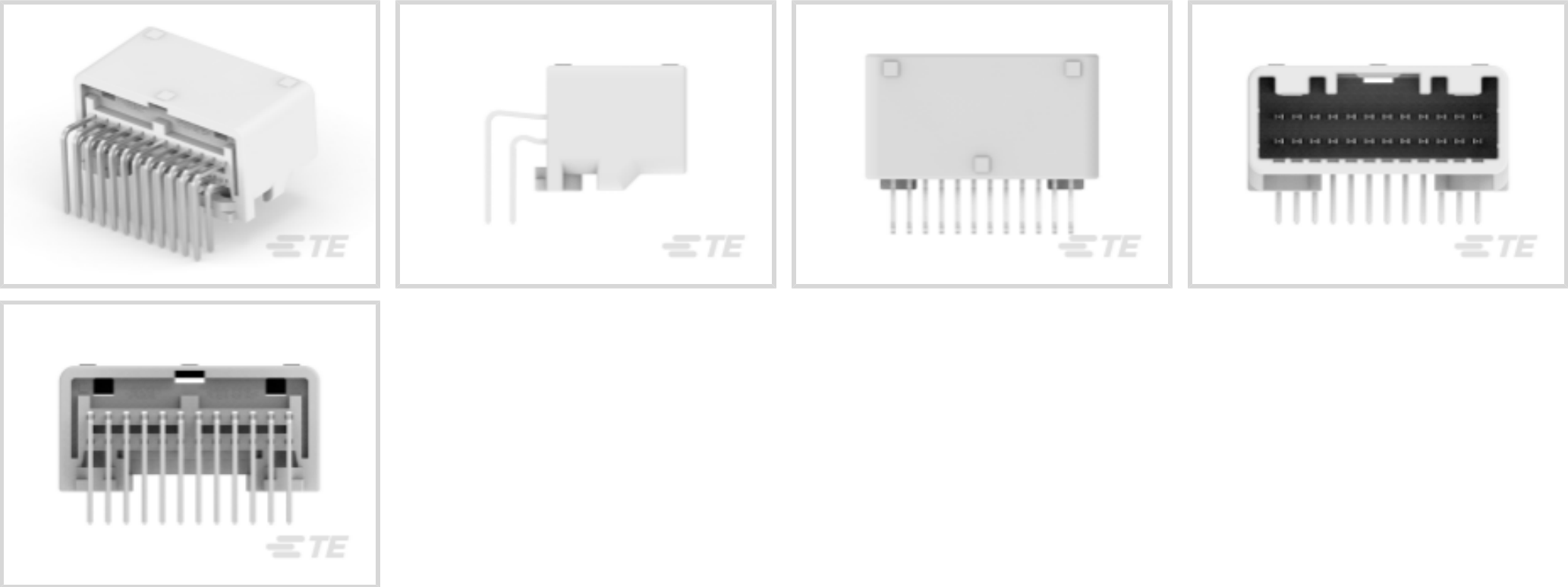




Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



Connector System: **Wire-to-Board**  
Number of Positions: **24**  
Centerline (Pitch): **2.2 mm [ .087 in ]**  
Sealable: **No**  
PCB Mount Orientation: **Horizontal**

[All Signal Header \(295\)](#)

Features

Product Type Features

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

Configuration Features

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



Electrical Characteristics

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

Body Features

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

Contact Features

|                                      |                 |
|--------------------------------------|-----------------|
| Contact Size                         | .63mm           |
| Contact Type                         | Tab             |
| Mating Tab Width                     | .64 mm[.025 in] |
| Mating Tab Thickness                 | .64 mm[.025 in] |
| Contact Mating Area Plating Material | Tin             |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 2.2 mm[.087 in] |
|--------------------|-----------------|

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Length            | 24.47 mm[.963 in] |
| Connector Width             | 31.8 mm[1.252 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in]   |
| Profile Height from PCB     | 15.5 mm[.61 in]   |

Usage Conditions

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Operating Temperature (Max) | 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 |
|-----------------------------|-----------------------------------------------|



|  |                                                                                |
|--|--------------------------------------------------------------------------------|
|  | °C, 105 °C[149 °F][158 °F][167 °F][176 °F]<br>[185 °F][194 °F][212 °F][221 °F] |
|--|--------------------------------------------------------------------------------|

Operating Temperature Range

-30 – 105 °C[-22 – 221 °F]

Operation/Application

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

Industry Standards

|                        |      |
|------------------------|------|
| UL Flammability Rating | None |
|------------------------|------|

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 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 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 # CAT-T319-CH8172  
TH/.025 CONNECTOR SYSTEM,  
HOUSING



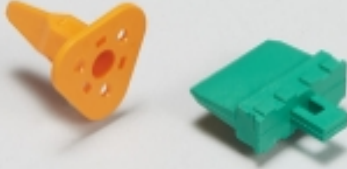
TE Part # CAT-T319-T273  
TH/.025 CONNECTOR SYSTEM,  
RECPT AND TAB

Also in the Series

0.64/025 Connector System



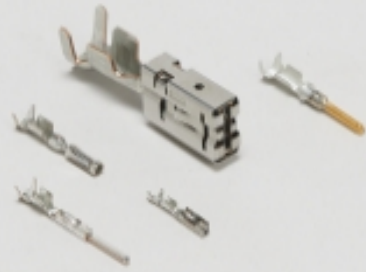
Automotive Connector Caps & Covers  
(5)



Automotive Connector Locks &  
Position Assurance(1)



Automotive Housings(127)



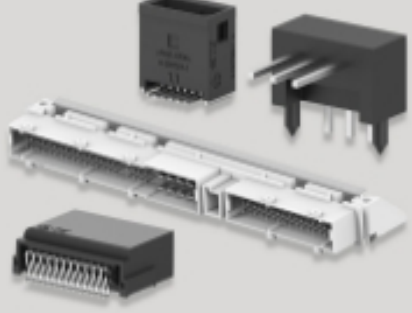
Automotive Terminals(16)



Connector Seals & Cavity Plugs(1)



Other Automotive Connector  
Accessories(4)

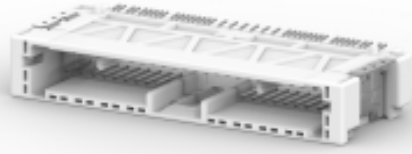


PCB Headers & Receptacles(158)

### Customers Also Bought



TE Part #1318382-8  
Signal Header



TE Part #1871806-5  
0.50 SERIES 40POS CAP ASSEMBLY  
(SMT TYPE)



TE Part #2229745-1  
HVA280 HEADER ASSY, KEY A,  
ORANGE



TE Part #2311788-1  
4POS,TAB2.8X0.8,HDR ASSY,90DEG,  
SLDR



Documents

Product Drawings

025 24POS CAP ASSY H SELECTIVE-TIN

Japanese

025 24POS CAP ASSY H SELECTIVE-TIN

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1318853-3\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1318853-3\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1318853-3\_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