

2109520-1 ✓ ACTIVE

AMP | TH/.025 Connector System

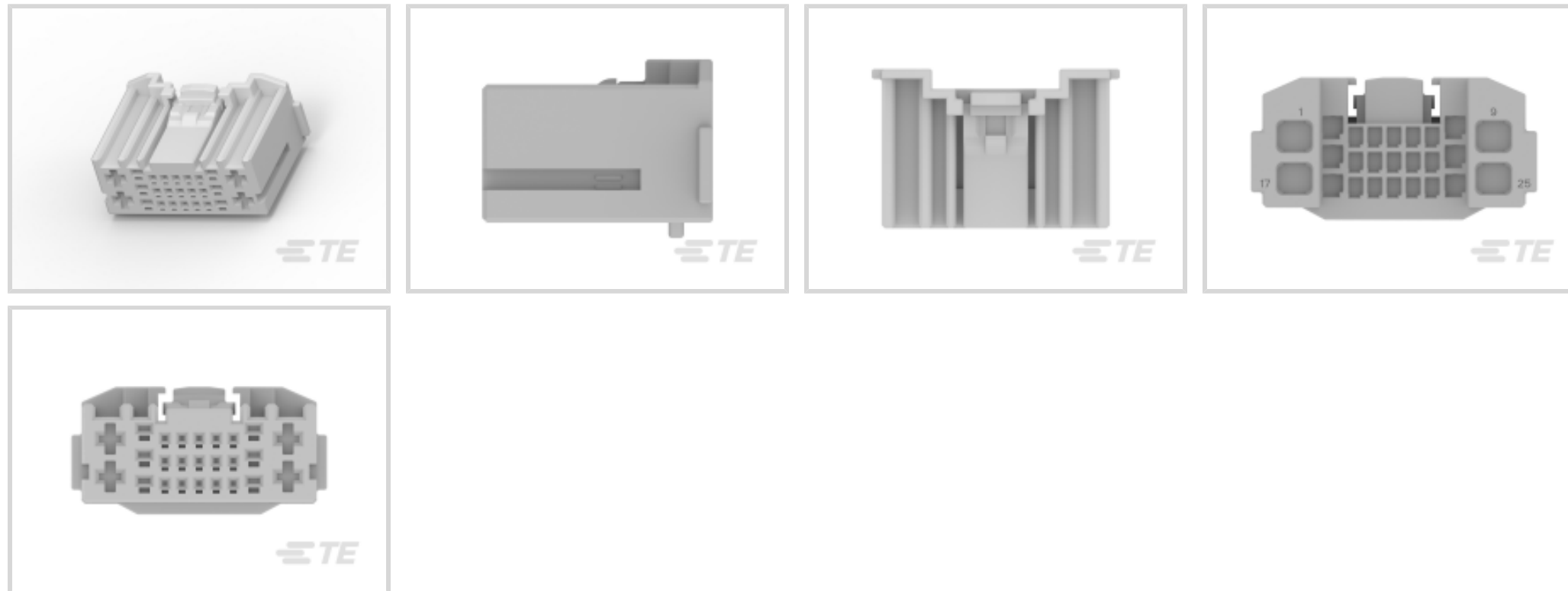
TE Internal #: 2109520-1

Housing for Female Terminals, Wire-to-Wire, 25 Position, .098 in [2.5 mm] Centerline, Natural, Signal, TH/.025 Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > TH/.025 CONNECTOR SYSTEM, HOUSING



Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **.64 mm [ .025 in ]**

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

Number of Positions: **25**

Centerline (Pitch): **2.5 mm [ .098 in ]**

[All TH/.025 CONNECTOR SYSTEM, HOUSING \(202\)](#)

## Features

### Product Type Features

|                           |                              |
|---------------------------|------------------------------|
| Connector & Housing Shape | Rectangular                  |
| Connector & Housing Type  | Housing for Female Terminals |
| Connector System          | Wire-to-Wire                 |
| Sealable                  | No                           |
| Hybrid Connector          | Yes                          |
| Primary Locking Feature   | On the Terminal              |

### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 25 |
| Number of Rows      | 3  |

### Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 12 VDC |
| Nominal Voltage Architecture | 12 V   |

### Body Features



|                       |         |
|-----------------------|---------|
| Cable Exit Angle      | 180°    |
| Body Material         | PBT     |
| Primary Product Color | Natural |

#### Contact Features

|                  |                     |
|------------------|---------------------|
| Contact Size     | .63mm, 1.5mm, 2.8mm |
| Contact Type     | Receptacle          |
| Mating Tab Width | .64 mm[.025 in]     |

#### Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Mounting Feature            | Without                    |
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Without                    |
| Mating Alignment Type       | Polarized                  |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

#### Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
|--------------------|-----------------|

#### Dimensions

|                |                  |
|----------------|------------------|
| Product Width  | 24 mm[.945 in]   |
| Product Height | 18.6 mm[.732 in] |

#### Usage Conditions

|                             |   |
|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C[158 °F][167 °F][176 °F] |
| Operating Temperature Range | -40 – 80 °C[-40 – 176 °F]                   |

#### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

#### Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

#### 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)<br>Candidate List Declared Against: JAN 2022 (223)<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                     | Not reviewed for solder process capability  |

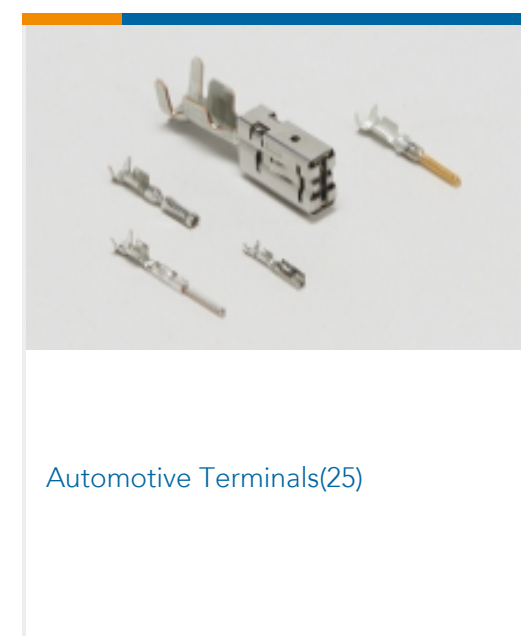
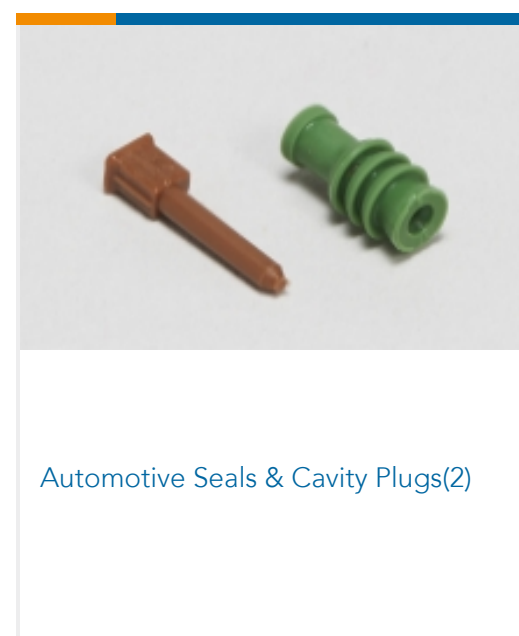
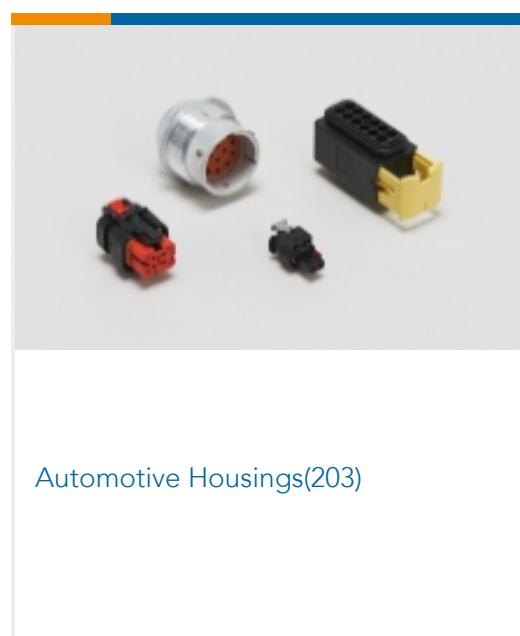
Product Compliance Disclaimer

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



## Also in the Series | TH/.025 Connector System

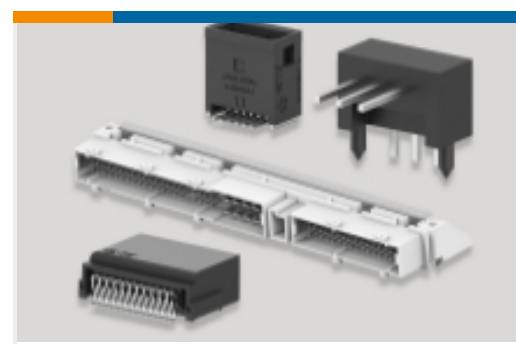




Insertion &amp; Extraction Tools(4)

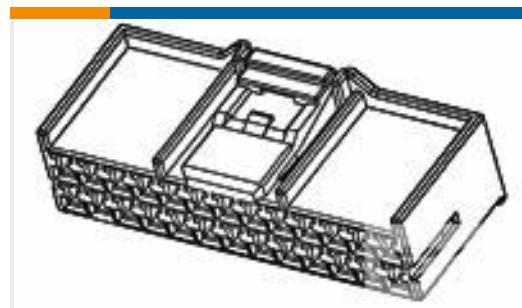
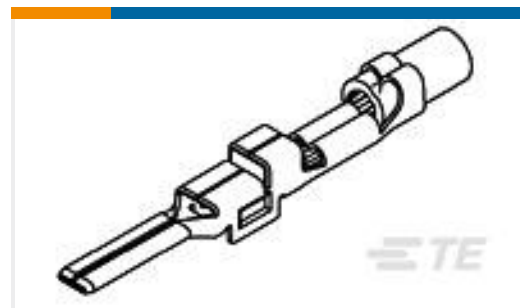


Other Automotive Connector Accessories(5)



PCB Headers &amp; Receptacles(144)

## Customers Also Bought

TE Part #936098-1  
090III 26P PLUG ASSYTE Part #368087-1  
090II NON SLD TAB(SQ0.85-1.25)TE Part #2005154-1  
025 TAB CONTACT(S)TE Part #284223-4  
24 POS.KIT ASSY FOR AIR BAG (BTE Part #1897013-2  
MT-2/JPT SLD 26P CAP HSGTE Part #2005431-1  
025/090 HYB 34P PLUG ASSYTE Part #1-2355507-1  
3POS,MCON 1.2,REC HSG ASSY,SLD,  
COD ATE Part #2005434-1  
025/090 HYB 34P CAP ASSYTE Part #2109517-1  
025/060/110 HYB 25P CAP ASSYTE Part #2294463-2  
MCON 1.2 CB TAB MONO

## Documents

### Product Drawings

[025/060/110 HYB 25P PLUG ASSY](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2109520-1\\_C.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2109520-1\\_C.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2109520-1\\_C.3d\\_stp.zip](#)

English

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## Datasheets & Catalog Pages

[TH/.025 Connector Series](#)

English