

MATE-AX

TE Internal #: 2306368-1  
Cable-to-Board, Shielded, Horizontal, 2 Position, Board Mount, A  
Code, 4 mm [.15 in] Centerline, Signal, MATE-AX, Data  
Connectivity Headers

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Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Headers



Connector System: **Cable-to-Board**  
Sealable: **No**  
Shielded: **Yes**  
PCB Mount Orientation: **Horizontal**  
Number of Positions: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Cable-to-Board        |
| Sealable                          | No                    |

Configuration Features

|                       |            |
|-----------------------|------------|
| PCB Mount Orientation | Horizontal |
| Number of Positions   | 2          |

Body Features

|                         |   |
|-------------------------|---|
| Connector & Keying Code | A |
|-------------------------|---|

Contact Features

|                                      |                |
|--------------------------------------|----------------|
| Contact Mating Area Plating Material | Silver (Ag)    |
| Contact Type                         | Pin            |
| Mating Pin Diameter                  | .4 mm[.016 in] |

Termination Features

|  |  |
|--|--|
|  |  |
|--|--|



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

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

|                    |              |
|--------------------|--------------|
| Housing Color      | Jet Black    |
| Centerline (Pitch) | 4 mm[.15 in] |

Dimensions

|                  |                  |
|------------------|------------------|
| Product Width    | 23.3 mm[.917 in] |
| Product Length   | 12 mm[.472 in]   |
| Connector Height | 10.4 mm[.409 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | Yes    |
| Circuit Application | Signal |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Reel |
| Packaging Quantity | 370  |

Other

|                                |           |
|--------------------------------|-----------|
| Interface Number               | 208-18048 |
| Outer Contact Plating Material | Tin (Sn)  |

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 2024 (241)<br>Does not contain REACH SVHC |



|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Halogen Content           | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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

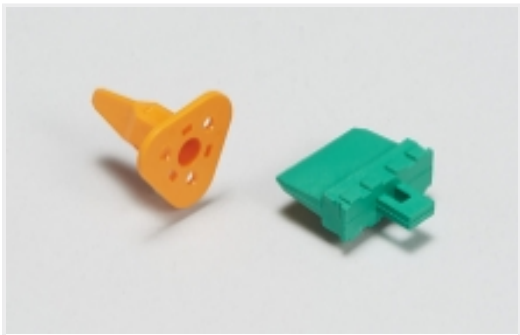


TE Part # 2306868-1  
2P,MATE-AX,SOC HSG ASSYCOD A

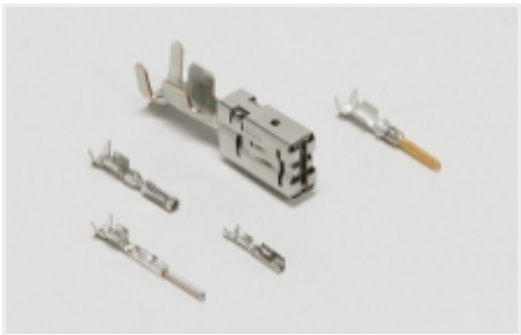


TE Part # 2306368-4  
2P,MATE-AX,HDR ASSY,90DEG,COD D

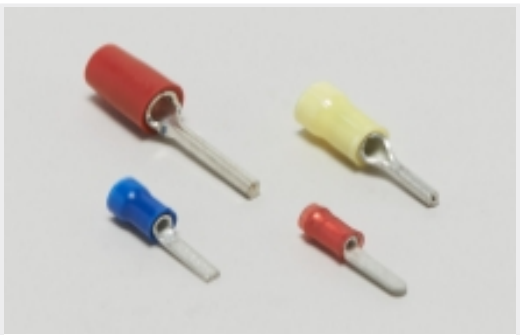
Also in the Series | MATE-AX



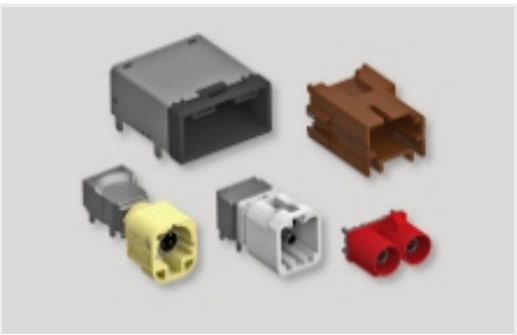
Automotive Connector Locks & Position Assurance(1)



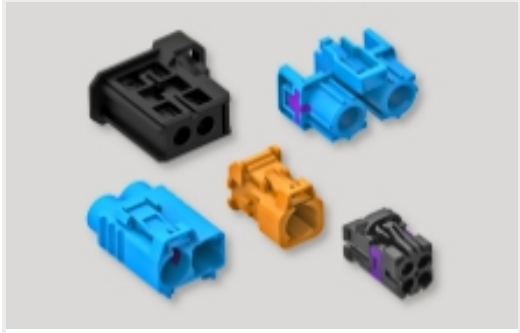
Automotive Terminals(8)



Crimp Wire Pins, Tabs & Ferrules(2)



Data Connectivity Headers(24)

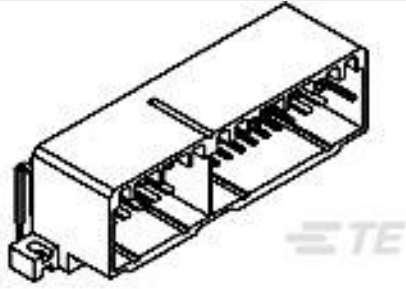


Data Connectivity Housings(30)

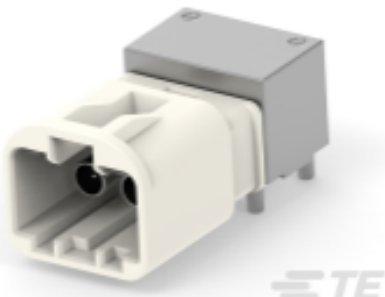




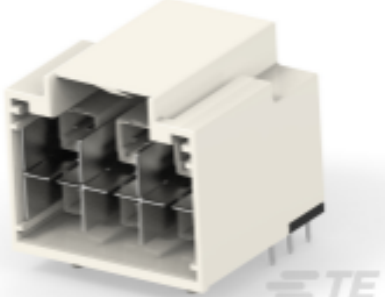
Customers Also Bought



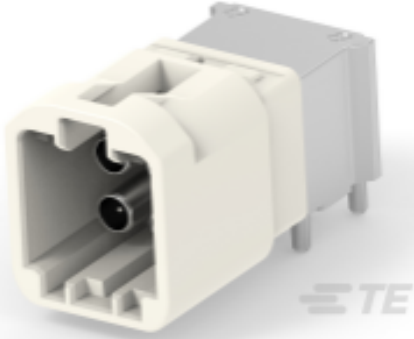
TE Part #173864-1  
070 MLC 24P CAP ASSY NATURAL



TE Part #2306368-2  
2P,MATE-AX,HDR ASSY,90DEG,COD B



TE Part #1-2339800-2  
MATENET 2X3 HEADER, 90DEG, CODE B



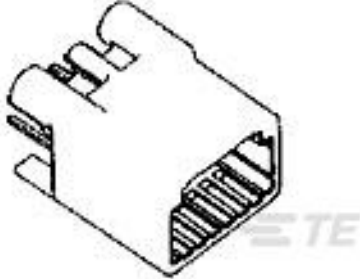
TE Part #2405707-2  
4P,MATE-AX,HDR ASSY,90DEG,COD B



TE Part #1456549-1  
HDR ASSY,26P RA, RXIT, KEY AE, w /POST



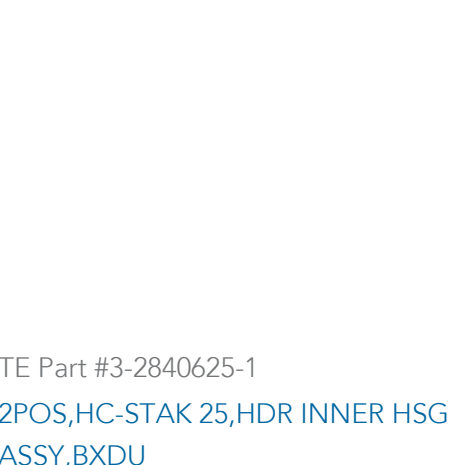
TE Part #2405707-1  
4P,MATE-AX,HDR ASSY,90DEG,COD A



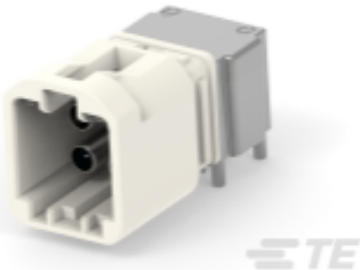
TE Part #1473898-4  
025 12 POS CAP ASSY V



TE Part #4-2177419-3  
32POS,TAB 0.5X0.4,HEADER ASSY, CODA



TE Part #3-2840625-1  
2POS,HC-STAK 25,HDR INNER HSG ASSY,BXDU



TE Part #2321775-2  
4P,MATE-AX,HDR ASSY,90DEG,COD B

Documents

Product Drawings

2P,MATE-AX,HDR ASSY,90DEG,COD A

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2306368-1\_A1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2306368-1\_A1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_2306368-1\_A1.2d\_dxf.zip

English

3D PDF

3D

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



Product Specifications  
MATE-AX 2pos Header Application Specification

English  
Product Specification  
English

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