



Automotive Parts > Automotive Connectors > Data Connectivity Housings



Connector System: Cable-to-Cable, Wire-to-Wire

Sealable: No

Cable Exit Angle: 180°

Number of Positions: 1

Connector & Keying Code: A

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Connector & Contact Terminates To | Wire & Cable                 |
| Mixed & Hybrid Connector          | No                           |
| Primary Locking Feature           | On the Terminal              |
| Connector System                  | Cable-to-Cable, Wire-to-Wire |
| Sealable                          | No                           |
| Connector & Housing Type          | Housing for Female Terminals |

Configuration Features

|                     |         |
|---------------------|---------|
| Snap-Lock           | Without |
| Number of Rows      | 1       |
| Number of Positions | 1       |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 60 VDC |
| Impedance         | 50 Ω   |

Body Features



|                         |           |
|-------------------------|-----------|
| Ferrule                 | With      |
| Body Material           | PA66 GF30 |
| Cable Exit Type         | Straight  |
| Cable Exit Angle        | 180°      |
| Connector & Keying Code | A         |

Contact Features

|                                      |                |
|--------------------------------------|----------------|
| Outer Contact Plating Material       | Tin (Sn)       |
| Contact Mating Area Plating Material | Silver (Ag)    |
| Center Contact                       | With           |
| Contact Type                         | Socket         |
| Mating Pin Diameter                  | .4 mm[.016 in] |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|               |           |
|---------------|-----------|
| Housing Color | Jet Black |
|---------------|-----------|

Dimensions

|                  |                  |
|------------------|------------------|
| Product Width    | 18.8 mm[.74 in]  |
| Product Length   | 8.3 mm[.32 in]   |
| Connector Height | 10.75 mm[.42 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Cable Type                  | RG 174, RTK 031            |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

|                     |                 |
|---------------------|-----------------|
| Shielded            | No              |
| Circuit Application | High Speed Data |

Industry Standards

|           |      |
|-----------|------|
| IP Rating | IP40 |
|-----------|------|



Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 3000 |
| Packaging Method   | Box  |

Other

|                                      |     |
|--------------------------------------|-----|
| Connector Position Assurance Capable | Yes |
| Dielectric Material                  | PBT |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

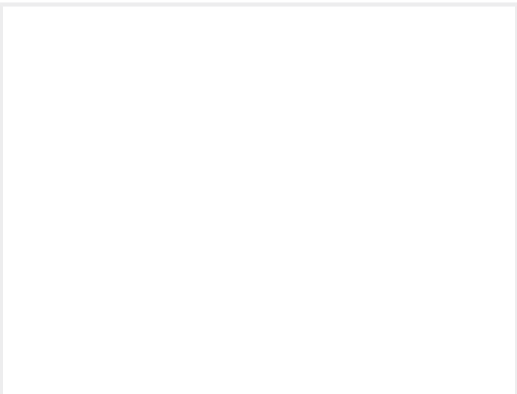
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 # 2309788-1  
TPA SOC HSG,1P/2P,MATE-AX



TE Part # 2298496-1  
MATE-AX, Socket center contact, RG 174



TE Part # 2394925-9  
1P. MATE-AX, HDR-ASSY, 90DEG, CODE Z



TE Part # 2298494-1  
MATE-AX, Socket outer contact, RG 174



TE Part # 2298509-1  
MATE-AX, Crimp Ferrule, RG 174



TE Part # 2298116-1  
MATE-AX, Socket outer contact, RTK 031



TE Part # 2310138-1  
1P,MATE-AX,PIN HSG ASSY,180DEG, COD A



TE Part # 2394925-1  
1POS,MATE-AX,HDR ASSY,90DEG, COD A



TE Part # 2298126-1  
MATE-AX, Crimp Ferrule, RTK 031



TE Part # 2298121-1  
MATE-AX, Socket center contact, RTK 031



TE Part # 2318194-1  
MATE-AX,RF-ADAPTER,1P PIN,RPC 3.50 SOC

Customers Also Bought



TE Part #4-2203270-5  
CENTER CONTACT, IN-LINE FEMALE, FAKRA



TE Part #2298116-1  
MATE-AX, Socket outer contact, RTK 031



TE Part #2298121-1  
MATE-AX, Socket center contact, RTK 031



TE Part #2298126-1  
MATE-AX, Crimp Ferrule, RTK 031



TE Part #2298126-2  
MIXED SHIELD INNER FERRULE



TE Part #2298496-1  
MATE-AX, Socket center contact, RG 174



TE Part #2-2298721-1  
4P,MATE-AX,SOC HSG ASSY,180DEG, COD A



TE Part #2-2310137-4  
1 P MATE-AX, SOC HSG W CPA, COD D



Documents

Product Drawings

1 P MATE-AX, SOC HSG W CPA, COD A

English

1 P MATE-AX, SOC HSG W CPA, COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2310137-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2310137-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2310137-1\_B.3d\_stp.zip

English

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Product Specifications

Application Specification

English