

2304168-3 ✓ ACTIVE

MATE-AX

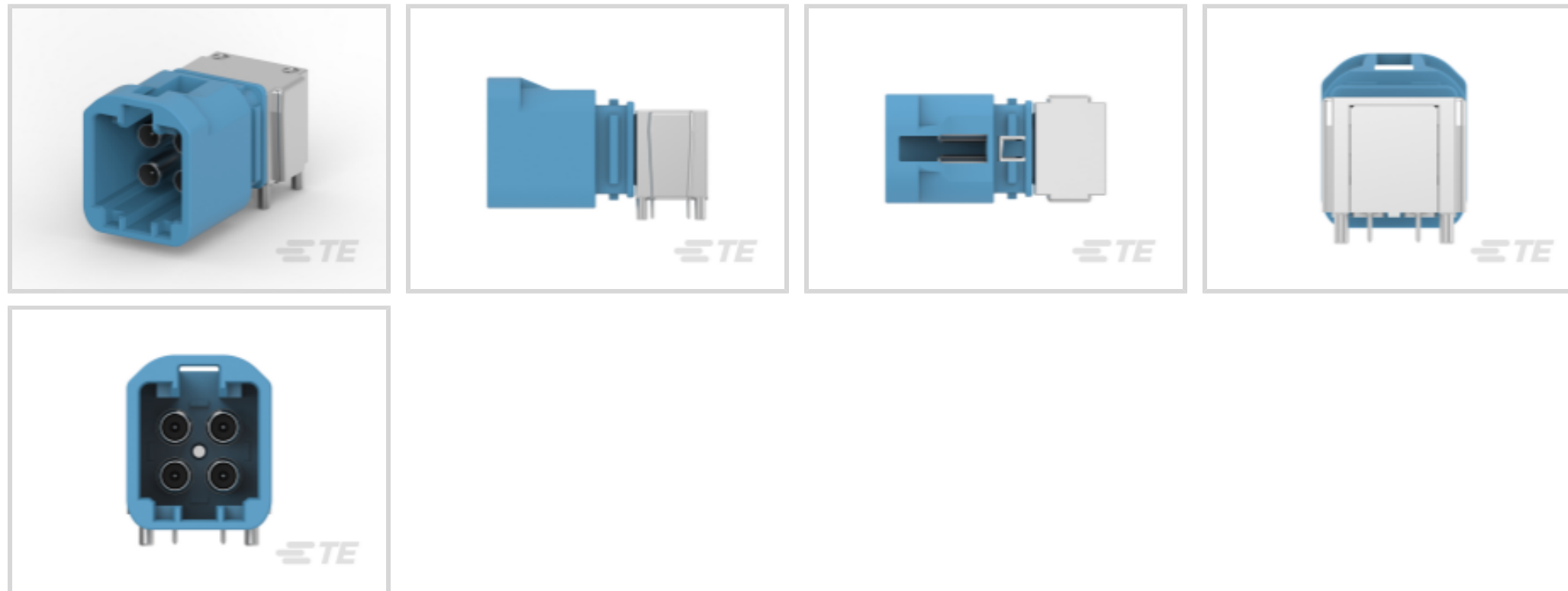
TE Internal #: 2304168-3

Wire-to-Board, Shielded, Horizontal, 4 Position, Board Mount, A Code, 4 mm [.157 in] Centerline, Signal, Data Connectivity Headers

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Automotive Parts > Automotive Connectors > Data Connectivity Headers



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

Sealable: **No**

Shielded: **Yes**

PCB Mount Orientation: **Horizontal**

Number of Positions: **4**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Mixed & Hybrid Connector | No |
| Connector System | Wire-to-Board |
| Sealable | No |

Configuration Features

| | |
|-----------------------|------------|
| Number of Rows | 2 |
| PCB Mount Orientation | Horizontal |
| Number of Positions | 4 |

Electrical Characteristics

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

Body Features

| | |
|--|-----|
| PCB Retention Feature Plating Material | Tin |
| Connector & Keying Code | A |



Contact Features

| | |
|--|----------------|
| Outer Contact Plating Material | Tin (Sn) |
| RF Connector Center Contact Plating Material | Silver (Ag) |
| Contact Mating Area Plating Material | Silver (Ag) |
| Center Contact | With |
| Contact Type | Pin |
| Mating Pin Diameter | .4 mm[.016 in] |
| Contact Current Rating (Max) | 3 A |

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|-------------|
| Mating Retention | With |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|---------------|
| Housing Color | Jet Black |
| Centerline (Pitch) | 4 mm[.157 in] |

Dimensions

| | |
|------------------|------------------|
| Product Width | 12 mm[.472 in] |
| Product Length | 24.3 mm[.957 in] |
| Connector Height | 14.4 mm[.567 in] |

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature (Max) | 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[221 °F] |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Operation/Application

| | |
|---------------------------|-----------------------|
| Operating Frequency Range | .01 – 9 GHz |
| Solder Process | Reflow Solder Capable |
| Assembly Process Feature | Board Standoff |
| Shielded | Yes |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|



Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|---------------------|-----------|
| Interface Number | 208-18131 |
| Dielectric Material | LCP |

Product Compliance

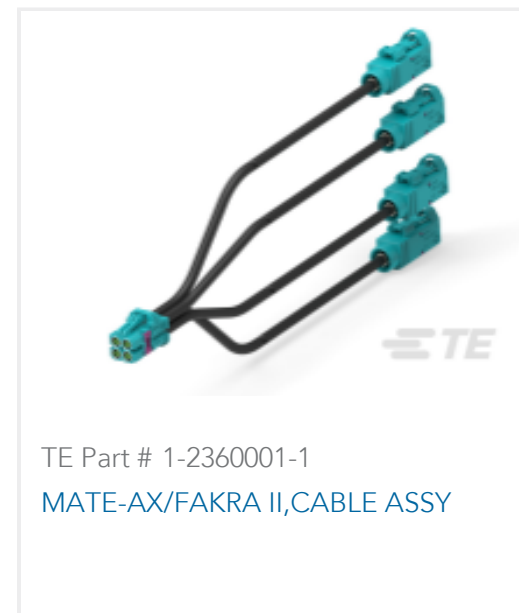
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| 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) Candidate List Declared Against: JAN 2025 (247) 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



Customers Also Bought





TE Part #2304168-5
4P MATE-AX, HDR ASSY,90 DEG,COD
E



TE Part #5-5223963-1
UPM R/A Header 3P HC Power Conn,
MLM

Documents

Product Drawings

[4P MATE-AX, HDR ASSY,90 DEG,COD C](#)

German

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2304168-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2304168-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2304168-3_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English