

MATE-AX

TE Internal #: 2-2310137-1

Cable-to-Cable / Wire-to-Wire, 180° Cable Exit, 1 Position, A Code,
Housing for Female Terminals, Crimp, MATE-AX, Data Connectivity
Housings

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Connectors > Automotive Connectors > Data Connectivity Systems > 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
Connector System	Cable-to-Cable, Wire-to-Wire
Sealable	No
Connector & Housing Type	Housing for Female Terminals

Configuration Features

Snap-Lock	Without
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

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
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Mechanical Attachment

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

Housing Features

Housing Color	Jet Black
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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
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Packaging Features

Packaging Quantity	3000
Packaging Method	Box



Other

Outer Contact Plating Material	Tin (Sn)
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2298509-1
MATE-AX, Crimp Ferrule, 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 # 2310138-1
1P,MATE-AX,PIN HSG ASSY,180DEG, COD A



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

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

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

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

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

TE Part # 2309788-1
TPA SOC HSG,1P/2P,MATE-AX

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

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 #2289729-3
KIT, HOUSING, CPA, INLINE FEMALE, FAKRA

TE Part #2338011-5
CU ALLOY,OUTER FERRULE,FAKRA AUT,RTK031

TE Part #2298509-2
MINI COAX SHIELD CRIMP FERRULE RG174

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



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



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



TE Part #2298126-2
MIXED SHIELD INNER FERRULE



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

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

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[TE Connectivity:](#)

[2-2310137-1](#)