# 2-2310137-1 ACTIVE

#### 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

View on TE.com >



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
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

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 # 2394925-9

1P. MATE-AX, HDR-ASSY, 90DEG,
CODE Z









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



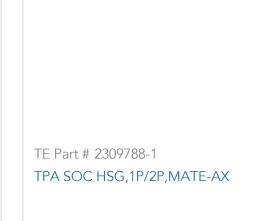
TE Part # 2394925-1 1POS,MATE-AX,HDR ASSY,90DEG, COD A



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

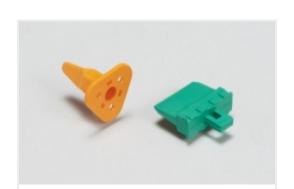








# Also in the Series | MATE-AX



Automotive Connector Locks & Position Assurance(1)



Automotive Terminals(8)



Crimp Wire Pins, Tabs & Ferrules(2)



Data Connectivity Headers(24)



# Customers Also Bought



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











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











### **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

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

**Product Specifications** 

**Application Specification** 

English

#### **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

2-2310137-1