

MATE-AX

TE Internal #: 3-2310137-9

Cable-to-Cable / Wire-to-Wire, 180° Cable Exit, 1 Position, Z Code, Housing for Female Terminals, Crimp, High Speed Data, Data Connectivity Housings

[View on TE.com >](#)



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: Z

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	Z

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	Water Blue
---------------	------------

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: JUNE 2025 (250) 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



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



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



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



TE Part # 1-2310138-9
1P, MATE-AX, PIN HSG ASSY, 180DEG, COD Z



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



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



TE Part # 2394925-4
1P, MATE-AX, HDR ASSY, 90DEG, COD D



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




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



TE Part # 2394925-2
1P, MATE-AX, HDR ASSY, 90DEG, COD B



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



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



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

Customers Also Bought



TE Part #1333200-3
ANVIL, COMBINATION(.042)



TE Part #3-1633965-8
INSULATION CRIMPER

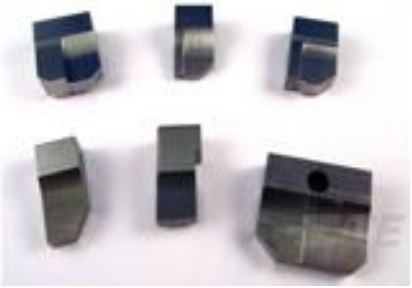


TE Part #2-2119784-6
CRIMPER, INSUL O PREMIUM

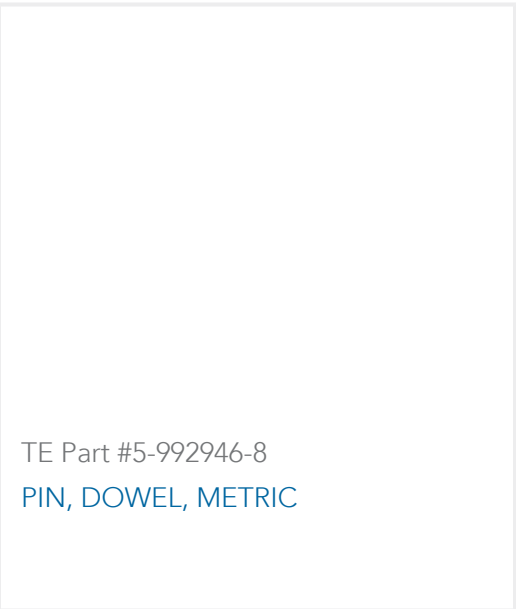


TE Part #1-879347-9
AMBOSS

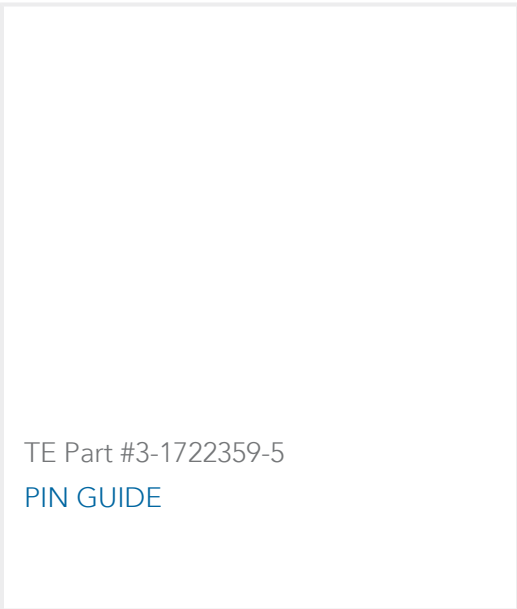




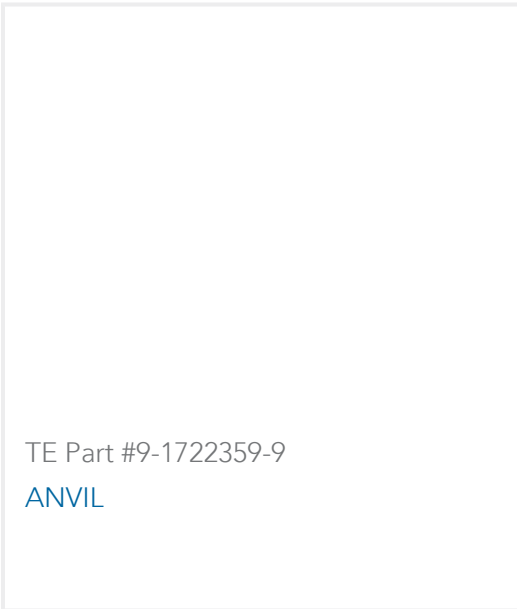
TE Part #4-879347-6
ANVIL




TE Part #5-992946-8
PIN, DOWEL, METRIC




TE Part #3-1722359-5
PIN GUIDE



TE Part #9-1722359-9
ANVIL



TE Part #1-1722368-7
GUIDING, DEPRESSOR WIRE



TE Part #2-1752354-5
STANDOFF, HOLD-DOWN

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2310137-9_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2310137-9_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2310137-9_B.3d_stp.zip

English

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

Product Specifications

MATE-AX Connectors 180DEG

English