



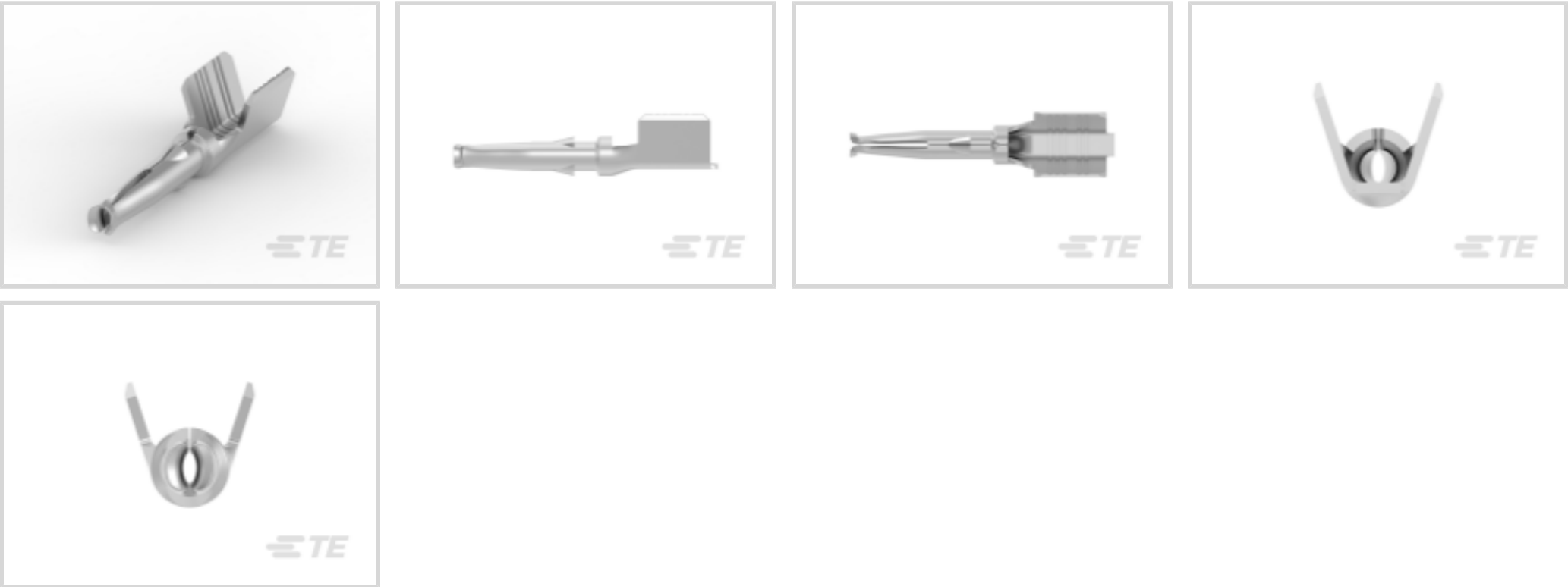
MATE-AX

TE Internal #: 2298121-1

MATE-AX, Data Connectivity Housings, Housing for Female
Terminals, Cable-to-Cable / Cable-to-Board, 4mm Centerline,
Sealable

[View on TE.com >](#)

Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Housings



Connector & Housing Type: **Housing for Female Terminals**

Mating Pin Diameter: **.4 mm [.016 in]**

Connector System: **Cable-to-Board, Cable-to-Cable**

Centerline (Pitch): **4 mm**

Sealable: **Yes**

Features

Product Type Features

Hybrid Connector	Yes
Connector & Housing Type	Housing for Female Terminals
Connector System	Cable-to-Board, Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Fiber Optic Transceiver	Without
Snap-Lock	With

Electrical Characteristics

Impedance	50 Ω
Operating Voltage	60 VDC

Signal Characteristics

Operating Frequency Range	0 – 10000 MHz
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Body Features

Environmental Protection	With
Ferrule	With
Cable Exit Type	Straight
Body Material	Phosphor Bronze
Cable Exit Angle	180° (In-Line)

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4 mm
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Dimensions

Product Width	1.8 mm
Product Length	7.01 mm
Product Height	1.53 mm

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Cable Type	Coax
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal



Industry Standards

Agency/Standard	USCAR / LV214
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Packaging Features

Packaging Quantity	30000
Packaging Method	Reel

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 2836263-2
OCEAN-2.0-APPLICATOR-S-FA-046FA



KIT
REPRESENTATION ONLY

TE Part # 7-2836263-7
OCEAN_2.0_SPARE_PART_KIT-046F



TE Part # 2306868-1
2POS,MATE-AX,SOC HSG ASSY,COD A



TE Part # 1-2310137-9
1 POS MATE-AX, SOC HSG , COD Z



TE Part # 2-2306868-1
2POS,MATE-AX,SOC HSG ASSY,COD A,CPA



TE Part # 2-2306868-2
2POS,MATE-AX,SOC HSG ASSY,COD B,CPA



TE Part # 2-2306868-3
2POS,MATE-AX,SOC HSG ASSY,COD C,CPA



TE Part # 2-2306868-4
2POS,MATE-AX,SOC HSG ASSY,COD D,CPA



TE Part # 2-2306868-9
2POS,MATE-AX,SOC HSG ASSY,COD Z,CPA



TE Part # 2-2310137-1
1 POS MATE-AX, SOC HSG W CPA, COD A



TE Part # 2-2310137-2
1 POS MATE-AX, SOC HSG W CPA, COD B



TE Part # 2-2310137-3
1 POS MATE-AX, SOC HSG W CPA, COD C



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



TE Part # 2-2836263-2
OCEAN-2.0-APPLICATOR-S-FA-046FA



TE Part # 2306868-2
2POS,MATE-AX,SOC HSG ASSY,COD B



TE Part # 2306868-3
2POS,MATE-AX,PIN HSG ASSY,COD C



TE Part # 2306868-4
2POS,MATE-AX,SOC HSG ASSY,COD D



TE Part # 2306868-9
2POS,MATE-AX,SOC HSG ASSY,COD Z

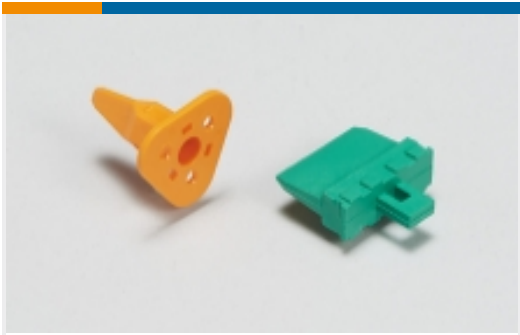


TE Part # 2310137-1
1 POS MATE-AX, SOC HSG , COD A



TE Part # 2310137-2
1 POS MATE-AX, SOC HSG , COD B

Also in the Series | **MATE-AX**



Automotive Connector Locks & Position Assurance(2)



Automotive Headers(5)



Data Connectivity Headers(33)



Data Connectivity Housings(45)

Customers Also Bought



TE Part #936095-2
MULTILOCK, CONNECTOR HOUSING



TE Part #1924943-1
PLUG ASSY, 96P GPEC II KEY E RIGHT EXIT



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



TE Part #1438908-1
JACK SUBASSEMBLY, RG-174, 180 DEGREE, SM



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



TE Part #2203232-2
SOCKET CONTACT, PLUG, 180 DEGREE, SMB



TE Part #1438890-7
PIN CONTACT, JACK, 180 DEGREE, SMB



TE Part #1438890-8
PIN CONTACT, JACK, 180 DEGREE, SMB



TE Part #2203259-3
Outer ferrule, open crimp-barrel, FAKRA



TE Part #2266776-2
OCEAN_2.0_APPLICATOR-S-042F

Documents

Product Drawings

MATE-AX, Socket center contact, RTK 031

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2298121-1_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2298121-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2298121-1_B.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English