

2304168-9 ✓ ACTIVE

MATE-AX

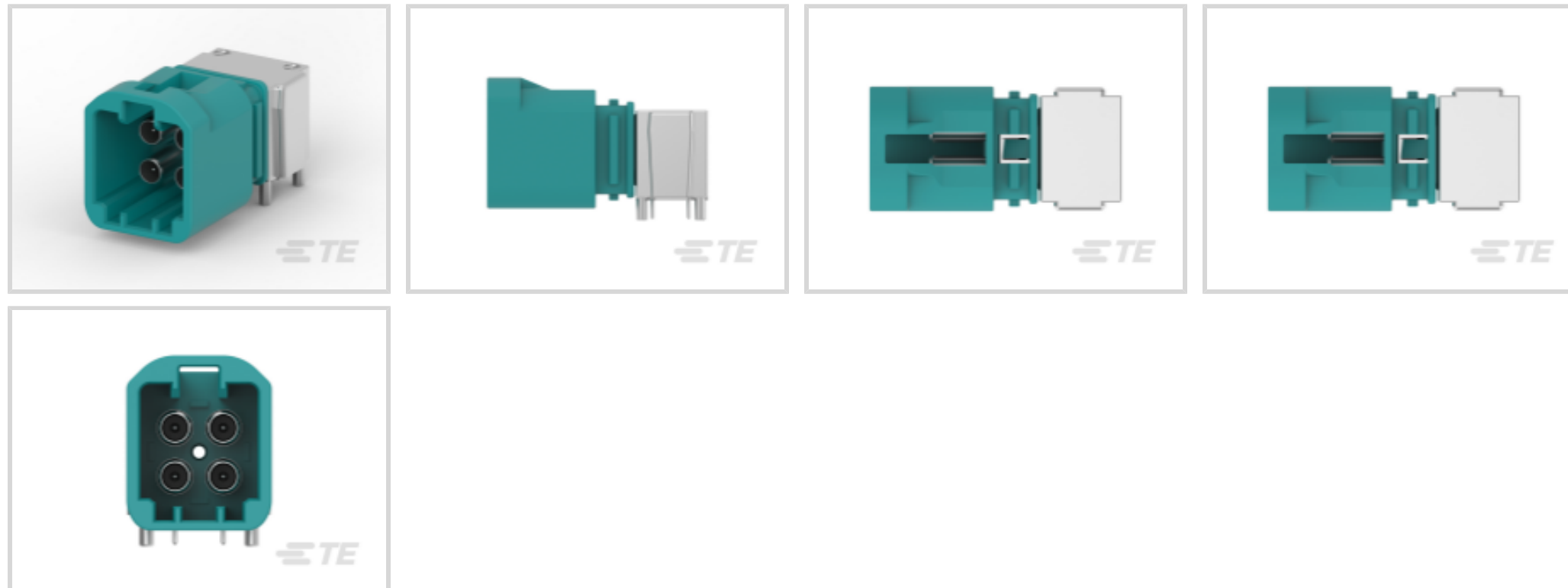
TE Internal #: 2304168-9

TE Internal Description: 4POS,MINICOAX,90 DEG,COD Z

[View on TE.com >](#)



Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Data Connectivity Systems > Data Connectivity Headers



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

Keying Code: A

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

Number of Positions: 4

Centerline (Pitch): 4 mm [.157 in]

Features

Product Type Features

Board Standoff	With
Hybrid Connector	No
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Keying Code	A
Number of Positions	4

Electrical Characteristics

Impedance	50 Ω
Operating Voltage	60 VDC

Signal Characteristics

Operating Frequency Range	10 – 9000 MHz
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Contact Features

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

Mechanical Attachment

Mating Retention	With
PCB Mounting Style	Through Hole - Solder
Mounting Angle	Horizontal / 90°
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]
Product 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[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Packaging Features

Packaging Method	Reel
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Other

Solder Process	Reflow
Outer Contact Plating Material	Tin (Sn)
PCB Leg Plating Material	Tin (Sn)
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 2020 (205) Candidate List Declared Against: JAN 2019 (197) 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



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

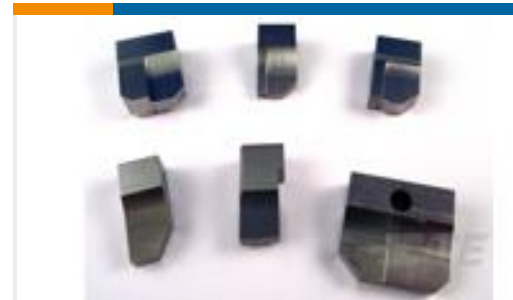


Data Connectivity Headers(14)



Data Connectivity Housings(17)

Customers Also Bought

TE Model / Part #2151540-2
OCEAN_2.0_APPLICATOR-S-
055F0700TE Model / Part #1633966-5
CRIMPER,INSULATION OTE Model / Part #7-1333203-6
ANVIL, COMBINATION .070TE Model / Part #6-1633588-5
CRIMPER, WIRE 'F' .096TE Model / Part #5677586015
RNF-3000-9/3-0-30MMTE Model / Part #1-172520-1
LOW PRO AMPIN 11PTE Model / Part #1-5084108-2
HDR ASSY 2mm AMPMODU SMT R/A
DTE Model / Part #2266620-2
OCEAN_2.0_APPLICATOR-S-
035F0420TE Model / Part #2836520-1
OCEAN_2.0_APPLICATOR-S-
041F0490

Documents

Product Drawings

4POS,MINICOAX,90 DEG,COD Z

German

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2304168-9_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2304168-9_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2304168-9_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English