



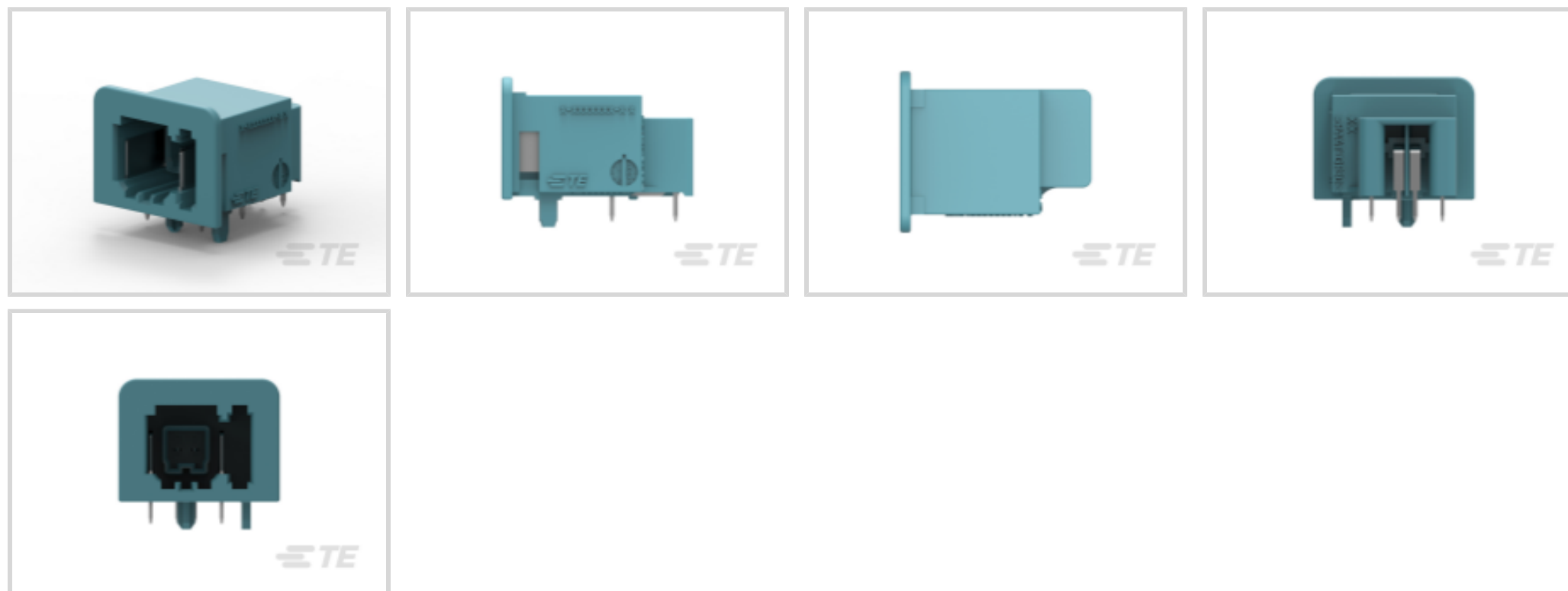
MATenet

TE Internal #: 9-2304372-9

Data Connectivity Headers, Z, Board-to-Board, 2 Position, .071 in [1.8 mm] Centerline, Shielded, Horizontal, Signal, MATenet

[View on TE.com >](#)

Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Headers



Mating Tab Width: .4 mm [.016 in]
 Mating Tab Thickness: .5 mm [.02 in]
 Connector & Keying Code: Z
 Connector System: **Board-to-Board**
 Number of Positions: 2

Features

Product Type Features

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

Configuration Features

Number of Positions	2
PCB Mount Orientation	Horizontal

Electrical Characteristics

Impedance	100 Ω
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Signal Characteristics

Operating Frequency Range	0 – 600 MHz
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Body Features

PCB Retention Feature Plating Material	Copper Alloy
Body Material	PA GF



Connector & Keying Code	Z
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Contact Features

Contact Type	Socket
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Mating Tab Width	.4 mm[.016 in]
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Mating Tab Thickness	.5 mm[.02 in]
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Mechanical Attachment

Mating Retention	Without
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PCB Mount Retention	Without
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Housing Features

Housing Color	Blue
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Centerline (Pitch)	1.8 mm[.071 in]
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Dimensions

Connector Height	13.5 mm[.53 in]
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Product Width	17.75 mm[.7 in]
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Product Length	21.1 mm[.83 in]
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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]
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Shielded	Yes
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Circuit Application	Signal
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Other

Dielectric Material	PA GF
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233)
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Candidate List Declared Against: JUNE 2022 (224)

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 # 2304375-2
NANOMQS,SOLDER,SHIELD

TE Part # 9-2302454-9
1-PORT MATENET FRAME, UTP, COD Z

Also in the Series | MATenet

Automotive Connector Caps & Covers (5)

Automotive Housings(1)

Automotive Seals & Cavity Plugs(5)

Data Connectivity Headers(6)



Data Connectivity Housings(26)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(2)

Customers Also Bought



TE Part #1-936119-1
4POS MQS REC



TE Part #1-1734037-2
Champ 050 series 120pos,Au over PdNi



TE Part #2-1879208-5
CPF 0402 100R 0.1% 25PPM 1K RL



TE Part #1-1734099-2
Champ 050 series,plug assembly



TE Part #2302450-1
MATENET, FEMALE INSERT MODUL, BLACK



TE Part #2302452-3
MATENET, FIXATION ELEMENT



TE Part #2302454-9
1-PORT MATENET FRAME,UTP, COD Z



TE Part #6-1437514-7
8134-HC-5P3=CONTACT,T/L PLT. 3



TE Part #6-1437514-6
8134-HC-5P2=CONTACT,AU PLT. 3.



TE Part #2176439-6
3521 2W 1% 1R0-1M0 LAB-KIT

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_9-2304372-9_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2304372-9_A.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_9-2304372-9_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English