2397144-1 ✔ ACTIVE

MATEnet

TE Internal #: 2397144-1

Cable-to-Board / Wire-to-Board, Sealable, 180 ° Cable Exit, 7 Position, A Code, Shielded, Housing for Female Terminals, Data Connectivity Housings

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Automotive Parts > Automotive Connectors > Data Connectivity Housings







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

Sealable: **Yes**

Cable Exit Angle: **180 °**

Number of Positions: **7**

Connector & Keying Code: **A**

Features

Product Type Features

Primary Locking Feature	Clean Body, On the Terminal
Connector & Contact Terminates To	Wire & Cable
Mixed & Hybrid Connector	Yes
Connector System	Cable-to-Board, Wire-to-Board
Sealable	Yes
Connector & Housing Type	Housing for Female Terminals

Configuration Features

Snap-Lock	Without
Number of Rows	2
Number of Positions	7

Electrical Characteristics

Operating Voltage	60 VDC
Impedance	100 Ω
Nominal Voltage Architecture	50 V

Body Features

Ferrule	Without
Body Material	PBT GF10
Cable Exit Type	Straight
Cable Exit Angle	180 °
Connector & Keying Code	A

Contact Features

Contact Type	Socket
Mating Tab Width	.5 mm, .63 mm[.02 in][.024 in]

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Color	Black

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Operating Frequency Range	0 – 1 GHz
Shielded	Yes
Circuit Application	Signal

Industry Standards

IP Rating	IPX7, IPX9K

Packaging Features

Packaging Method	Carton
Packaging Quantity	500

Other

Connector Position Assurance Capable	Yes

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-2413280-1
Lidar HDR, 90deg, cod A

TE Part # 2413280-1
Lidar HDR, 90deg, cod A

Customers Also Bought



TE Part #1-1703930-2
NANOMQS, RECEPTACLE TERMINAL



TE Part #2141360-2
HANDHOLD,CRIMP BUSHING



TE Part #2302451-1
MATENET, MALE INSERT MODUL



TE Part #2349531-1
MATENET,1-PORT,STP,FRAME,PLUG ASSY,COD B



TE Part #2368033-1
1PORT,GEMNET,PIN HSG ASSY,COD A,CLPSLT



TE Part #2397492-1
MATENET,2x3-PORT,FRAME,HSG, COD A



TE Part #2399121-1
MATENET, FEMALE INSERT MODUL

TE Part #2430299-1
SAIC PAB SQUIB AK2 90D CABLE ASSY

TE Part #2430299-2
SAIC PAB SQUIB AK2 90D CABLE ASSY

TE Part #1-2434703-1
NANOMQS,TERMINAL

Documents

Product Drawings

LIDAR MATENET,PLUG,SIDE LATCH,COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2397144-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2397144-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2397144-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English