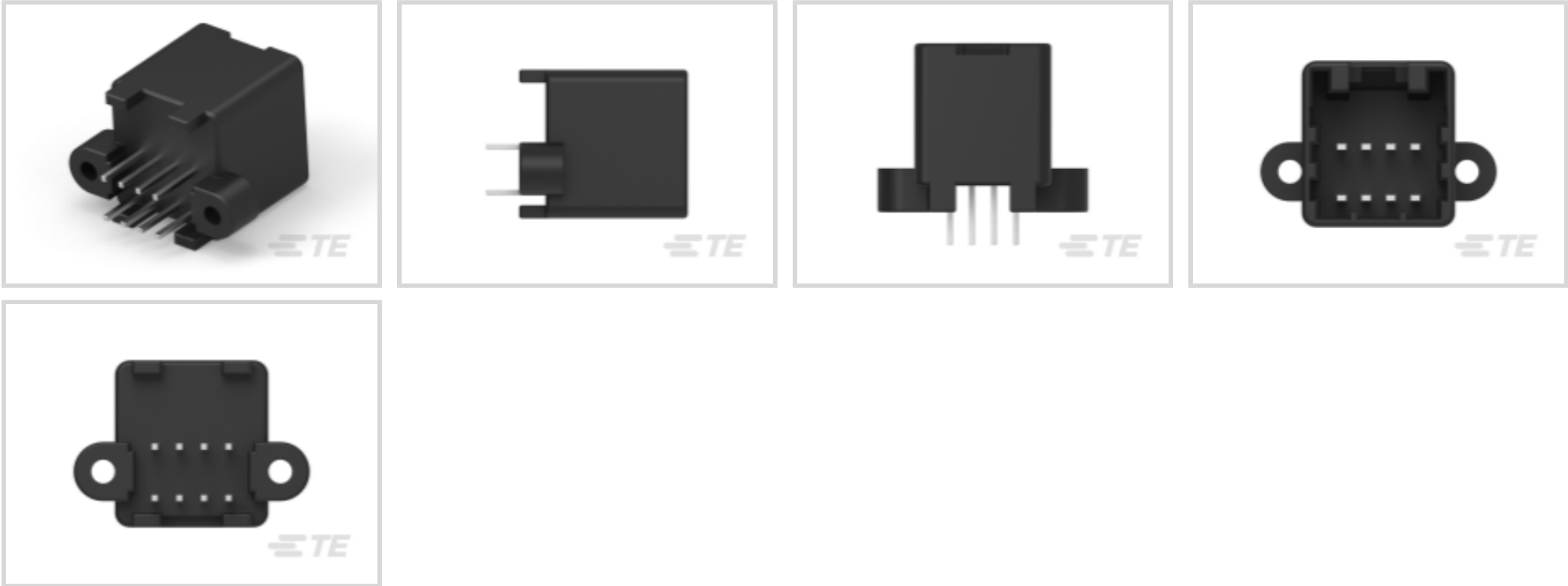




Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



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

Number of Positions: **8**

Centerline (Pitch): **2.5 mm [.098 in]**

Sealable: **No**

PCB Mount Orientation: **Vertical**

[All Signal Header \(448\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	8
Number of Positions	8
PCB Mount Orientation	Vertical
Number of Rows	2



Electrical Characteristics

Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC

Body Features

Primary Product Color	Black
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Contact Features

Contact Size	1mm
Contact Type	Tab
Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Mounting Holes	With
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Mounting Hole
Mating Retention Type	Locking Interface

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
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Dimensions

Connector Length	16.9 mm[.665 in]
Connector Width	24 mm[.945 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	19.2 mm[.756 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100
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	°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	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Type	Tube
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Packaging Quantity	100
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Other

Interface Number	174044
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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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 240°C
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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 # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING

Also in the Series | Multilock Connector System

Automotive Connector Caps & Covers
(17)

Automotive Connector EMC Shielding
(1)

Automotive Connector Locks & Position Assurance(2)

Automotive Housings(603)

Automotive Terminals(141)

Connector Seals & Cavity Plugs(2)

Insertion & Extraction Tools(6)

Other Automotive Connector Accessories(14)

PCB Headers & Receptacles(142)

Customers Also Bought



TE Part #3-1461491-3
PCN-112D3MHZ,000



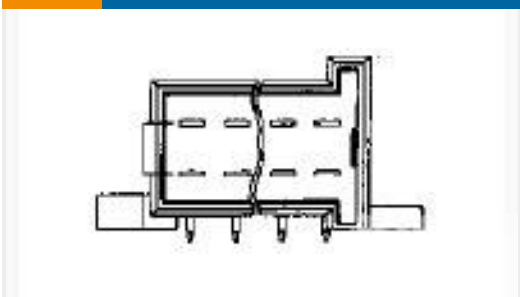
TE Part #1-1624094-8
3613C 4.7UH 10%



TE Part #1879023-2
3650 1008 10nH 5% 2K RL



TE Part #1-103634-5
16 MTE HDR SRRA LATCH .100CL



TE Part #828801-1
2X 2P MESSERLEI 3,0



TE Part #174979-2
Signal Header



TE Part #ZPF000000000121738
182-0860-22



TE Part #2137614-2
32P MQS Header



TE Part #2237023-1
40P 025 CAP ASSY

Documents

Product Drawings
040 MLC CAP ASSY V 8P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_174971-2_D.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_174971-2_D.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_174971-2_D.3d_stp.zip
English
3D PDF
English



Customer View Model

[ENG_CVM_174971-2_C2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_174971-2_C2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_174971-2_C2.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

Japanese

[Product Specification](#)

Japanese

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

040 SERIES MULTI-LOCK CONNECTOR

English