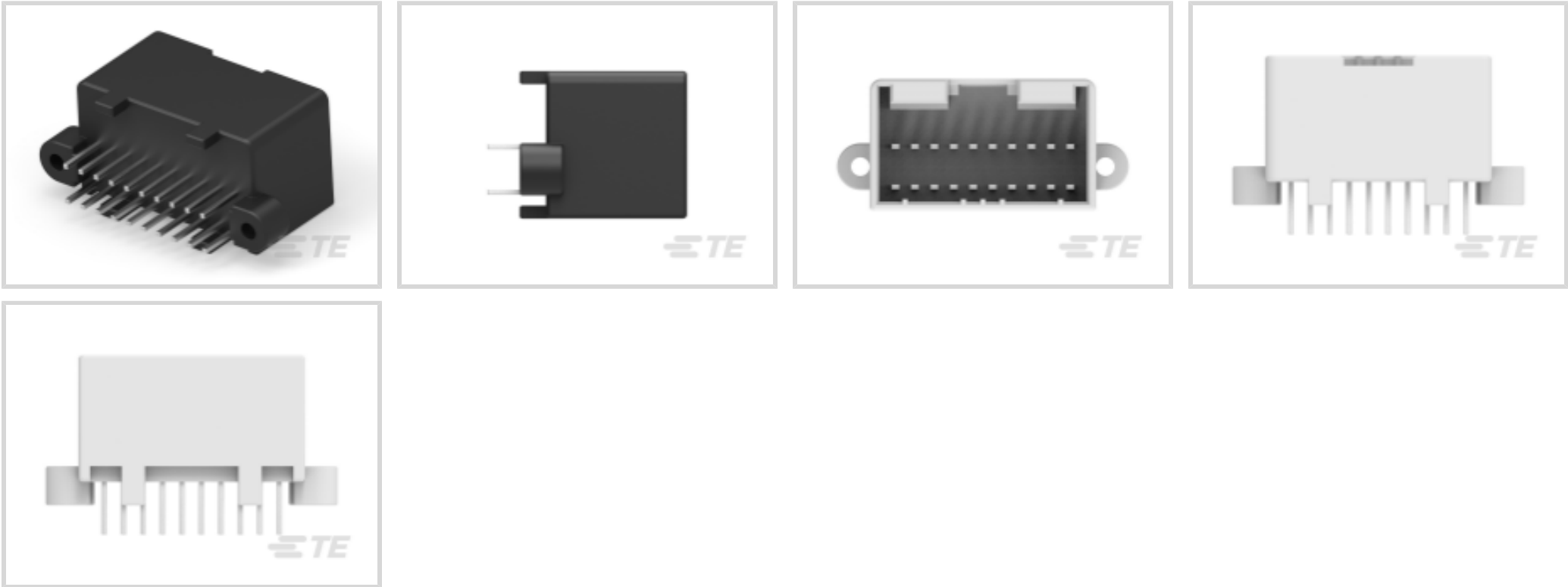




Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Number of Rows: **2**

[All Signal Header \(240\)](#)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	20
Number of Sections	1
PCB Mount Orientation	Vertical
Number of Positions	20



Number of Rows	2
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Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

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

Housing Features

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

Connector Width	37.5 mm[1.476 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	19.2 mm[.756 in]
Connector Length	16.9 mm[.665 in]

Usage Conditions

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Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[212 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	100
Packaging Method	Tube

Other

Interface Number	174047
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 lead free process capable

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 # 174047-2
040 MULTILOCK PLUG 20P

Also in the Series | Multilock Connector System

Automotive Connector Caps & Covers (5)

Automotive Headers(75)

Automotive Housings(138)

Automotive Terminals(76)

Other Automotive Connector Accessories(5)

PCB Headers & Receptacles(75)

Rectangular Power Connectors(6)

Wire-to-Board Headers & Receptacles (73)

Customers Also Bought

TE Part #1565357-6
ON TAPING(EMBOSS) 0.5MM PITCH

TE Part #1-2291392-0
MALE ASM, 1 POS, R/A, PCB, FAKRA

TE Part #5177578-1
CHAMP PLUG CABLE COVER KIT

TE Part #178305-2
DYNAMIC D3100D HDR H 10P ASSY AU038



Documents

Product Drawings

040 MLC CAP ASSY V 20P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174977-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174977-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174977-2_F.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_174977-2_D1.2d_dxf.zip

English

Customer View Model

ENG_CVM_174977-2_D1.3d_igs.zip

English

Customer View Model

ENG_CVM_174977-2_D1.3d_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

Agency Approvals

UL Report

English