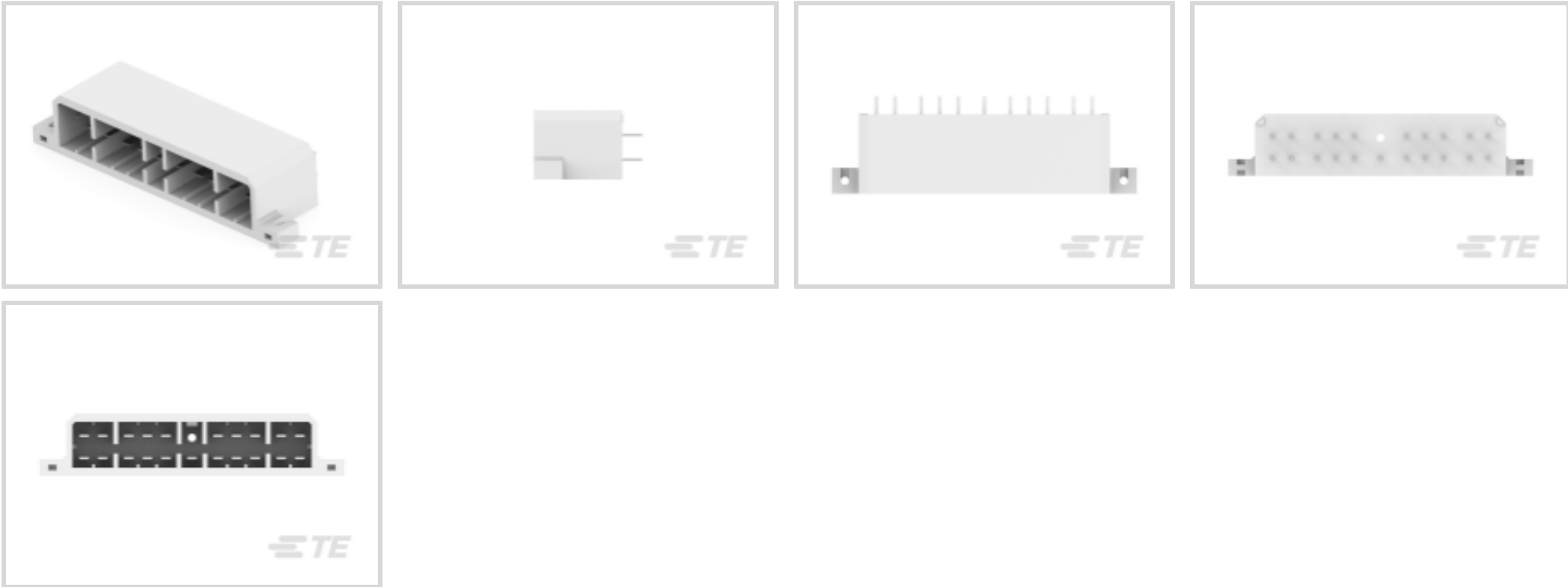


TE Internal #: 171457-1  
PCB Mount Header, Vertical, Wire-to-Board, 21 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Screw, Natural, Mark I

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**  
Number of Positions: **21**  
Centerline (Pitch): **5 mm [ .197 in ]**  
Sealable: **No**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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 Positions	21
PCB Mount Orientation	Vertical
Number of Rows	2

Body Features

Primary Product Color	Natural
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Contact Features

Contact Type	Tab
Contact Mating Area Plating Material	Tin (Sn)



Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5 mm [.197 in]
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Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Packaging Features

Packaging Method	Tray
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Wave solder capable to 240°C

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 # 171365-1  
MIC CAP 21P H

Also in the Series | Mark I

Automotive Housings(2)

Automotive Terminals(4)

Crimp Terminal Housings(24)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(20)

Quick Disconnects(29)

Customers Also Bought

TE Part #2-178139-2  
DYNAMIC 3200 HDR H 6P ASSY

TE Part #3-178137-2  
DYNAMIC D3100 HDR H 6P ASSY

TE Part #171898-1  
FF 250 PLUG HSG 6P NYLON NAT

TE Part #966140-5  
MESSERLEISTE 6P



TE Part #1-174955-1  
070 MLC CAP ASSY V 8P

TE Part #1-174923-1  
070 MLC W-W PLUG HSG 6P F/A

TE Part #171363-1  
MULTI INTERLOCK CONN HSG

TE Part #1-174928-1  
070 MLC W-W CAP HSG 3P F/A

TE Part #172220-1  
FF 250 PLUG HSG 3P NYLON NAT

Documents

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_171457-1\_K1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_171457-1\_K1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_171457-1\_K1.3d\_stp.zip

English

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

Product Specifications

Multi-Interlock Mark II Connector for Printed Circuit Board

Japanese

Product Specification

Japanese

Multi-Interlock Mark II Connector for Wire to Board Termination

English

Product Specification

English

Agency Approvals

Agency Approval Document

English

171457-1

PCB Mount Header, Vertical, Wire-to-Board, 21 Position, 5 mm [.197 in] Centerline,  
Fully Shrouded, Tin (Sn), Through Hole - Screw, Natural, Mark I

