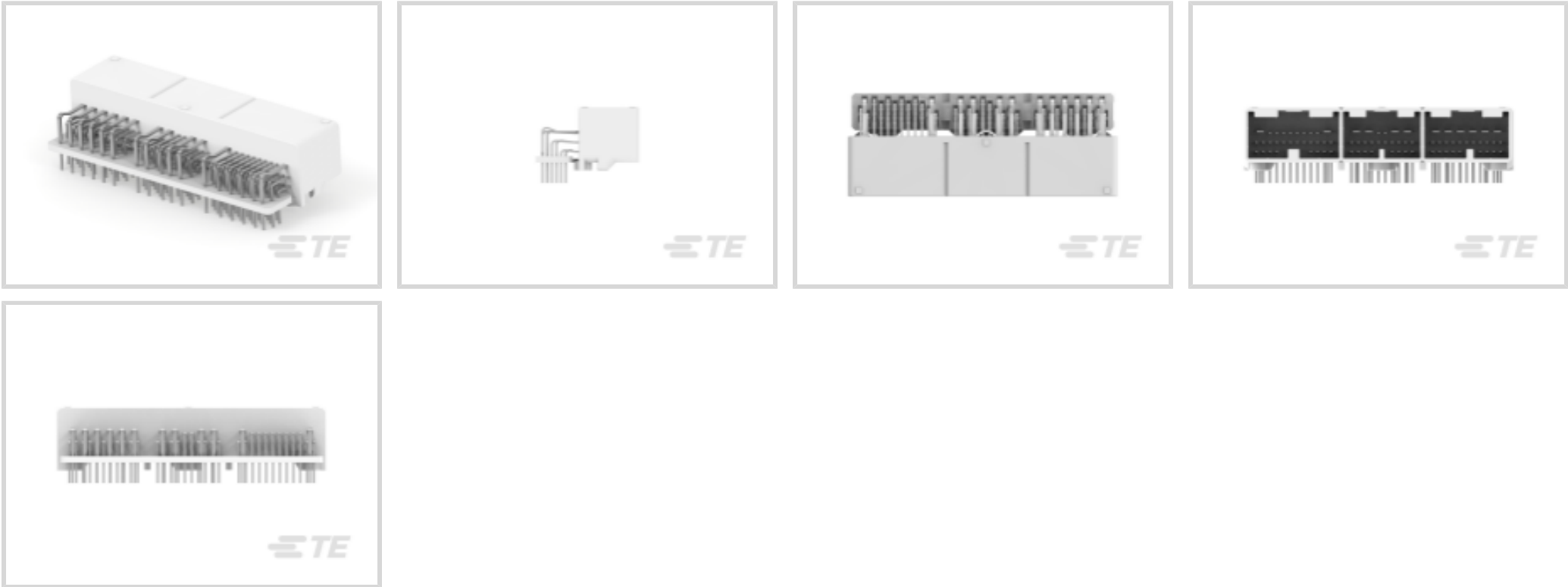




Connectors > PCB Connectors > PCB Headers & Receptacles > High Pin Count Header



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **80**

Number of Rows: **3**

[All High Pin Count Header \(45\)](#)

Features

Product Type Features

Mixed & Hybrid Header	Yes
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	80
Number of Sections	3
PCB Mount Orientation	Horizontal
Number of Positions	80



Number of Rows	3
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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	Natural
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Contact Features

Contact Size	.64mm, 2.3mm
Mating Tab Width	.64 mm, 2.3 mm [.025 in] [.091 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 - Solder
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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)	2.2 mm, 4 mm [.087 in] [.157 in]
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Dimensions

Connector Width	87.2 mm [3.433 in]
PCB Thickness (Recommended)	1.6 mm [.063 in]
Profile Height from PCB	20.6 mm [.811 in]
Connector Length	33.4 mm [1.315 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	No
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Packaging Features

Packaging Quantity	6
Packaging Method	Tube

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 # CAT-T319-CH8172
TH/.025 CONNECTOR SYSTEM,
HOUSING

Also in the Series | 0.64/025 Connector System

Automotive Connector Caps & Covers
(5)

Automotive Connector Locks &
Position Assurance(1)

Automotive Housings(120)

Automotive Terminals(17)

Connector Seals & Cavity Plugs(1)

Other Automotive Connector
Accessories(4)

PCB Headers & Receptacles(149)

Rectangular Power Connectors(6)

Customers Also Bought

TE Part #1415017-1
SR6C4024 - V23050-A1024-A551

TE Part #84982-4
1MM FFC SMT V ASSY 4P EMBOSS

TE Part #214547-E
MSPPM 5 F SMD F6 * A V 137 094 *
E008 J

TE Part #2177587-2
12POS NANO MQS TL PLUG
HOUSING, CODE B



Documents

Product Drawings
025/090 80POS CAP ASSY
English

CAD Files
Customer View Model
ENG_CVM_CVM_1318751-7_J1.3d_stp.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1318751-7_J1.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1318751-7_J1.3d_igs.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications
Crimping of 025 Receptacle Contact
Japanese
Application Specification
Japanese

Instruction Sheets
025/090II I/O Connector
Japanese
Instruction Sheet (non U.S.)
Japanese
025/090II I/O Connector
Japanese
Instruction Sheet (non U.S.)
Japanese