



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



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

Number of Positions: **4**

Centerline (Pitch): **2.2 mm [.087 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All Signal Header \(319\)](#)

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	4
Number of Positions	4
PCB Mount Orientation	Horizontal
Number of Rows	1

Electrical Characteristics

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



Body Features

Primary Product Color	Gray
Connector & Keying Code	2

Contact Features

Contact Size	.63mm
Contact Type	Tab
Mating Tab Width	.64 mm[.025 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
Mating Retention Type	Locking Interface

Housing Features

Centerline (Pitch)	2.2 mm[.087 in]
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Dimensions

Connector Length	21.97 mm[.865 in]
Connector Width	14 mm[.551 in]
PCB Thickness (Recommended)	1.2 - 1.6 mm[.047 - .063 in]
Profile Height from PCB	12.5 mm[.492 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]
Operating Temperature Range	-30 - 100 °C[-22 - 212 °F]

Operation/Application

Shielded	No
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Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Quantity	30
Packaging Method	Tube
Other	
Interface Number	1473672

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

TE Part # 2069748-1
0.64mm CONNECTOR 1ROW 4POS
PLUG HOUSING

TE Part # 2069748-2
0.64mm CONNECTOR 1ROW 4POS
PLUG HOUSING

TE Part # 2069748-3
0.64mm CONNECTOR 1ROW 4POS
PLUG HOUSING

TE Part # 1565750-4
025 4POS CAP HSG SPS

Also in the Series | 0.64/025 Connector System

Automotive Connector Caps & Covers
(5)

Automotive Connector Locks &
Position Assurance(1)

Automotive Housings(138)

Automotive Terminals(18)

Connector Seals & Cavity Plugs(1)

Other Automotive Connector
Accessories(5)

PCB Headers & Receptacles(217)

Customers Also Bought

TE Part # 292250-4
CT P/HDR BOX H ASSY 4P W/KINK

TE Part # 1-1735042-0
1MM FFC SMT V ASSY 10P EMBOSS

TE Part # 440423-1
Shield Finger 5025

TE Part # 2-1318772-1
025 12 pos Cap Assy H



Documents

Product Drawings
025 4POS CAP ASSY SELECTIVE-TIN
Japanese

CAD Files
Customer View Model
ENG_CVM_CVM_1565749-4_F.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1565749-4_F.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1565749-4_F.3d_stp.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
Instruction Sheet (non U.S.)
English



[.025 SERIES I/O CONNECTORS \(H-Type 1Row 8Position\)](#)

Japanese

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

Japanese

[.025 SERIES I/O CONNECTORS \(H-Type 1Row 8Position\)](#)

Japanese

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

Japanese