



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 \(446\)](#)

Features

Product Type Features

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
---	-----------------------

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]
--------------------	-----------------

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
----------	----



Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Type	Tube
Packaging Quantity	30
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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 1565750-4
025 4POS CAP HSG SPS

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

Also in the Series | TH/.025 Connector System

Automotive Connector Caps & Covers
(6)

Automotive Housings(223)

Automotive Terminals(26)

Connector Seals & Cavity Plugs(2)

Insertion & Extraction Tools(4)

Other Automotive Connector
Accessories(5)

PCB Headers & Receptacles(163)

Customers Also Bought

TE Part #8-188275-0
MICRO-MATCH SMD FTE

TE Part #292132-6
CT P/HDR BOX V 6P NAT

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

TE Part #2339640-1
SPRING FINGER 6025





TE Part #1376357-8
[Signal Header](#)



TE Part #2237067-1
[24POS, TAB0.64X0.64, HDR ASSY, 90 DEG, SMD](#)



TE Part #3-5175475-6
[CHAMP 050 B/B REC V W/LEG 50P](#)



TE Part #440423-1
[Shield Finger 5025](#)

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

1565749-4

PCB Mount Header, Horizontal, Wire-to-Board, 4 Position, 2.2 mm [.087 in]
Centerline, Fully Shrouded, Tin, TH/.025 Connector System

