



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Centerline (Pitch): **.5 mm [.02 in]**

Features

Dimensions

Stack Height	1.5 mm[.059 in]
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Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Packaging Features

Packaging Quantity	1500
Packaging Method	Tape & Reel

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Mechanical Attachment



Mating Alignment Type	Keyed
PCB Mount Retention Type	None
PCB Mount Alignment Type	None
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Rectangular Termination Post & Tail Width	.6 mm[.024 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Method to PCB	Surface Mount

Contact Features

	8 µin
Mating Tab Width	.15 mm[.006 in]
PCB Contact Termination Area Plating Material Thickness	.05 µm[2 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	.3 A

Housing Features

Housing Material	High heat-resisted resin
Centerline (Pitch)	.5 mm[.02 in]

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	40

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
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Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Black
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Industry Standards

UL Flammability Rating	UL 94V-0
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUL 2021 (219) 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	Reflow solder capable to 245°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 # 9-912068-6
[EMBOSS TAPE 24W 0.5 FS TAB](#)

TE Part # 316752-2
[0.5 BTB TAB CONT. AU](#)

TE Part # 1-912069-2
[COVER TAPE 21.5W](#)

Customers Also Bought

TE Part #2324869-1
[CONNECTOR ASSEMBLY, SMT, PDNI, OSFP](#)

TE Part #796644-2
[2POS 5.0MM CE R/A HDR,TRM BLK](#)

TE Part #2-84952-0
[1MM FPC HORZ.BTTM CONT.ASS.20P](#)

TE Part #1761987-9
[ReceptacleConnAssm38PosTape/Re](#)

TE Part #1-2040832-4
[EMBOSS TAPING 0.25FPC BF-L-1.3](#)

TE Part #1217061-1
[187 FASTON,FLAG,TAB,TNBR](#)

TE Part #3-1761603-3
[IDC LOW PRO HDR 40P VERT BLUE](#)

TE Part #2342933-2
[QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS](#)

TE Part #2-406541-3
[MJ,INV,1X1,6PNL G.,100"ST,SN, NARROW POST](#)

TE Part #3-1415001-2
[V23134J0052X511-EV-CBOX](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_4-5353515-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-5353515-0_A.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_4-5353515-0_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Fine Pitch Catalog - 0.5mm Fine Stack and Fine Mate Connectors](#)

English

Product Specifications

[Product Specification](#)

English

Instruction Sheets

[0.5MM F-S CONNECTOR\(H 1.5MM\) \(BOARD TO BOARD SMT TYPE\) HANDLING AND OPERATION INSTRUCTION SHEET](#)

English

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

English