

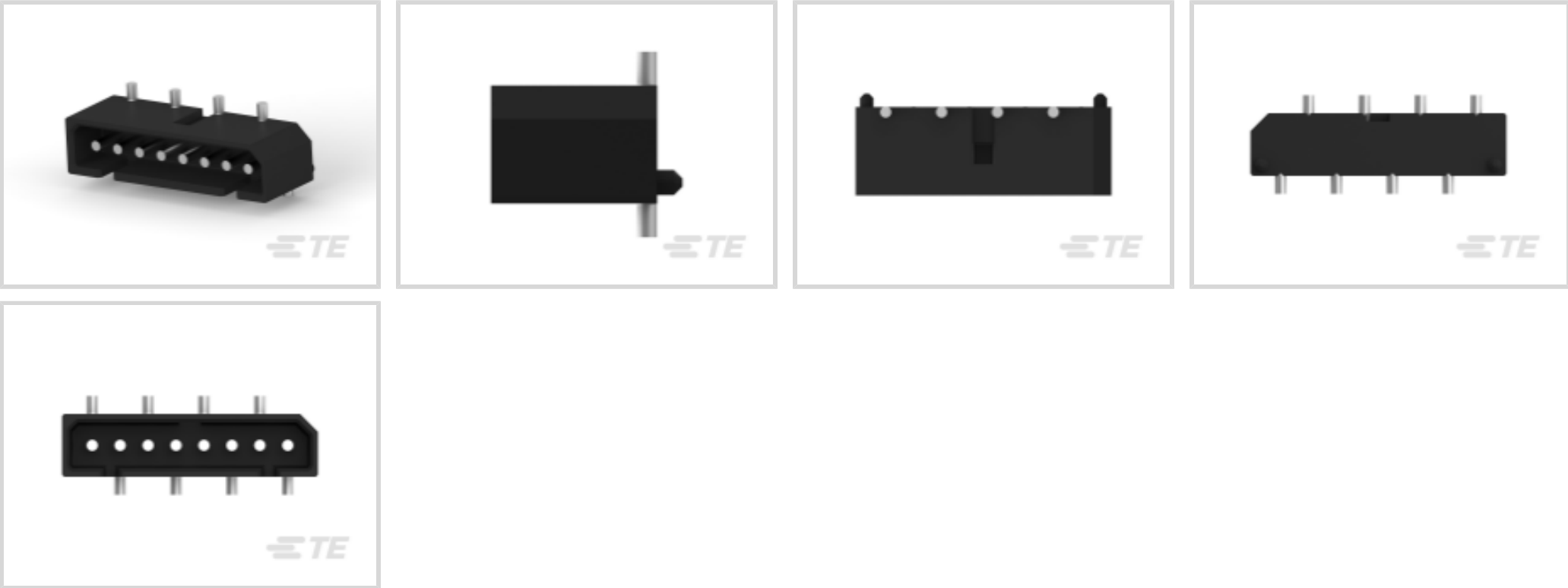


TE Internal #: 3-1827158-8

PCB Mount Header, Vertical, Board-to-Board, 8 Position, 1.25 mm [.049 in] Centerline, Tin (Sn), Surface Mount, Signal, Black, Tape & Reel

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
Insulation Resistance	1 MΩ



Dielectric Withstanding Voltage (Max)	500 VAC
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Body Features

Primary Product Color	Black
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Contact Features

Mating Pin Diameter	.5 mm[.019 in]
Contact Mating Area Plating Material Thickness	.8 μm[31.5 μin]
PCB Contact Termination Area Plating Material Thickness	.8 μm[31.5 μin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Diameter	.5 mm[.019 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	None
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	Polyphenylene Sulfide (PPS)
Centerline (Pitch)	1.25 mm[.049 in]

Dimensions

Stack Height	5 mm[.197 in]
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Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range

-30 – 105 °C[-22 – 221 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1400
Packaging Method	Tape & Reel

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 3-174820-8

[1.25FP,P08,SL,B,N,BG,5.00,5.80](#)

TE Part # 1533253-1

[EMBOSS TAPE FOR 1.25FP](#)

TE Part # 4-720998-5

[COVER TAPE 21.5W](#)

Customers Also Bought

TE Part #3-1827159-8

[1.25FP,R08,SL,B,C,TR](#)

TE Part #1892731-2

[Assy 2x6 MINIPAK HDE seq2](#)

TE Part #3-1415001-2

[V23134J0052X511-EV-CBOX](#)

TE Part #CAT-J41-DDRC

[DEUTSCH DT Receptacle Connectors](#)

TE Part #1487596-3

[USB, A-B, 28/24, BLACK, 1.8M](#)

TE Part #6469001-1

[HM-ZD 4PR RECP 80P](#)

Documents

Product Drawings

[1.25FP,P08,SL,B,C,TR,5.00,5.80](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_3-1827158-8_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1827158-8_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1827158-8_D.3d_stp.zip](#)

English

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Product Specifications

AMP 1.25mm F-P Connector (Board To Board)

Japanese

Product Specification

Japanese