

STRADA

TE Internal #: 6-2057470-1

PCB Mount Header, Vertical, Board-to-Board, 199 Position, 1.5 mm / 2.5 mm / 6.2 mm [.1 in / .12 in / .24 in] Centerline, Fully Shrouded,

Gold Flash

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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: 199

Centerline (Pitch): 1.5 mm, 2.5 mm, 3.1 mm, 6.2 mm [.06 in, .1 in, .12 in, .24 in]

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Pairs per Column	8
Number of Power Positions	6
Number of Pairs	32
Number of Loaded Positions	193
Stackable	Yes
Number of Signal Positions	8
PCB Mount Orientation	Vertical
Number of Positions	199



Board-to-Board Configuration	Parallel
Electrical Characteristics	
Dielectric Withstanding Voltage (Max)	750 VAC
Insulation Resistance	1000 ΜΩ
Impedance	100 Ω
Operating Voltage	250 VAC
Signal Characteristics	
Data Rate	16 Gb/s
Body Features	
Primary Product Color	Black
Contact Features	
Contact Layout	Staggered
Mating Tab Width	.69 mm, 4.5 mm[.027 in][.177 in]
Mating Tab Thickness	.3 mm, .41 mm[.011 in][.015 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold Flash
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Type	Pin
Contact Current Rating (Max)	1.5 A
Termination Features	
Rectangular Termination Post & Tail Thickness	.15 mm, .3 mm[.005 in][.011 in]
Rectangular Termination Post & Tail Width	.43 mm, .73 mm[.016 in][.029 in]
Termination Post & Tail Length	1.45 mm, 2.05 mm[.057 in][.08 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Mating Retention	With
Mating Alignment	With
PCB Mount Retention	Without
PCB Mount Alignment	Without



Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	1.5 mm, 2.5 mm, 3.1 mm, 6.2 mm[.06 in][.1 in][.12 in][.24 in]
Housing Material	LCP (High Temp Thermoplastic)
Dimensions	
Connector Height	10.8 mm[.424 in]
Stack Height	11 mm[.433 in]
PCB Thickness (Recommended)	.06 mm[.8 in]
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Assembly Process Feature	None
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	24
Packaging Method	Package

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	Not applicable for solder process capability



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

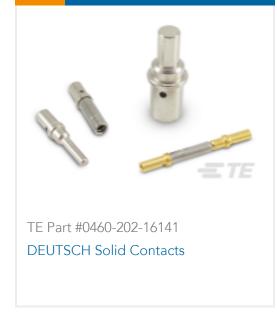


Customers Also Bought















Documents

CAD Files

Customer View Model ENG_CVM_CVM_6-2057470-1_A.2d_dxf.zip

English

PCB Mount Header, Vertical, Board-to-Board, 199 Position, 1.5 mm / 2.5 mm / 6.2 mm [.1 in / .12 in / .24 in] Centerline, Fully Shrouded, Gold Flash



3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2057470-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-2057470-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English