



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**  
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 ]**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Pairs	32
Number of Loaded Positions	193
Stackable	Yes
Pairs per Column	8
Number of Positions	199
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel



Number of Power Positions	6
Number of Signal Positions	8

Electrical Characteristics

Impedance	100 Ω
Insulation Resistance	1000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC
Operating Voltage	6 VDC

Signal Characteristics

Data Rate	16 Gb/s
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.69 mm, 4.5 mm[.027 in][.177 in]
Contact Shape & Form	Round
Contact Layout	Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.3 mm, .41 mm[.011 in][.015 in]
Contact Mating Area Plating Material	Gold Flash
Contact Type	Pin
Contact Current Rating (Max)	1.5 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]

Termination Features

Rectangular Termination Post & Tail Width	.43 mm, .73 mm[.016 in][.029 in]
Rectangular Termination Post & Tail Thickness	.15 mm, .3 mm[.005 in][.011 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
Connector Mounting Type	Board Mount
Mating Alignment	With



PCB Mount Alignment	Without
PCB Mount Retention	Without

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	Liquid Crystal Polymer (LCP) (High Temp Thermoplastic)

Dimensions

Connector Height	10.8 mm[.424 in]
Stack Height	11 mm[.433 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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




TE Part # 5-2057471-1  
[STRADA MESA,RC,ST,032,084,06,SN,Y,NA](#)


Customers Also Bought




TE Part #CAT-D48-ST273  
[DEUTSCH Connector Solid Contacts](#)




TE Part #DT04-2P  
[REC, 2P, GRY, N](#)



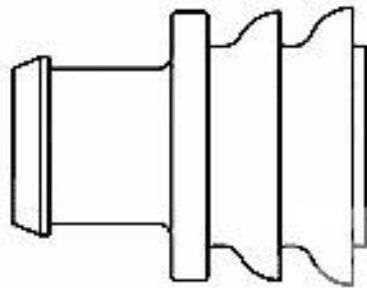
TE Part #DT06-2S  
[PLG, 2P, GRY, N](#)




TE Part #CAT-D487-W416  
[Wedgelocks: DEUTSCH DT](#)



TE Part #114017-ZZ  
[SEALING PLUG, SIZE 12/16, WHT](#)



TE Part #281934-2  
[SINGLE WIRE SEAL](#)



TE Part #CAT-AM71-CH8172  
[AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING](#)

Documents

- CAD Files
- Customer View Model



[ENG\\_CVM\\_CVM\\_6-2057470-1\\_A.2d\\_dxf.zip](#)

English

[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