



TE Internal #: 1-2825261-0
 PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural, Tray

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**
 PCB Connector Assembly Type: **PCB Mount Header**
 PCB Mount Orientation: **Vertical**
 Connector System: **Wire-to-Board**
 Number of Positions: **10**

Features

Other

EU RoHS Compliance	Compliant
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Product Type Features

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

Configuration Features

Number of Loaded Positions	10
Number of Power Positions	10
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2



Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 μm [30 μin]
Contact Mating Area Plating Material Thickness	2.03 μm [80 μin]
PCB Contact Termination Area Plating Material Thickness	2.03 μm [80 μin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Keyed
PCB Mount Retention Type	Boardlock
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Nylon
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
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Connector Width	9.75 mm[.384 in]
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PCB Thickness (Recommended)	1.78 mm[.07 in]
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Connector Height	12.8 mm[.504 in]
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Connector Length	22.2 mm[.874 in]
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL, CSA
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	210
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Packaging Method	Tray
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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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



TE Part #292336-1
Std USB Type A, Flag, T/H



TE Part #5569381-1
STK MJ ASSY,8POS,2X1,SHLD,CAT5



TE Part #CONMHF1-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



TE Part #1-1734260-2
1.25 WTB HDR SMT, 12 POS



TE Part #1-6600132-0
MBXL R/A HDR DB 1P+16S+1P



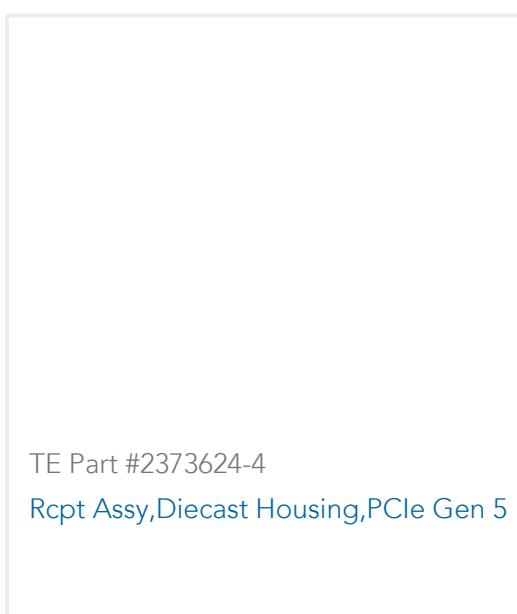
TE Part #6-146256-7
34 MODII HDR DRST B/A .100CL LF



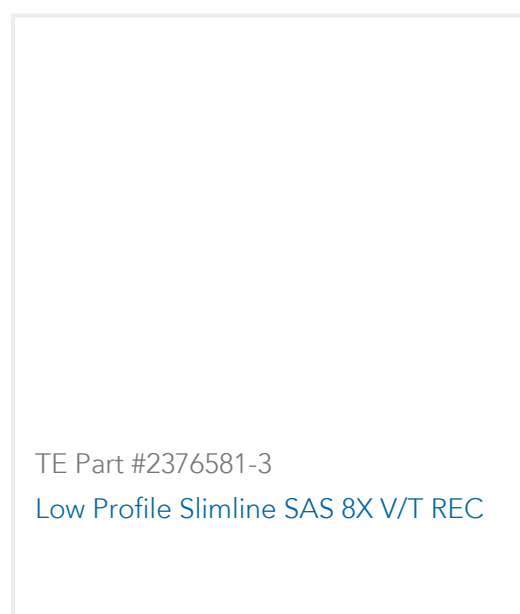
TE Part #1-2379397-9
MCIO INTERGRATED CONN, V/T,8X, SMT TYPE



TE Part #1-292303-2
USB A R/A RCPT ASSY THRU HOLE, LEAD FREE



TE Part #2373624-4
Rcpt Assy,Diecast Housing,PCIe Gen 5



TE Part #2376581-3
Low Profile Slimline SAS 8X V/T REC

Documents

Product Drawings

[10P VAL-U-LOK HCS VRT HDR W/P V0](#)

English

[10P VAL-U-LOK HCS VRT HDR W/P V0](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2825261-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2825261-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2825261-0_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English