

TE Internal #: 207583-6
PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power & Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Body Features



Primary Product Color	Black
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Contact Features

Contact Underplating Material	Copper, Nickel
Mating Pin Diameter	1.75 mm[.069 in]
Contact Underplating Material Thickness	1.27 µm, 2.54 µm[50 µin][100 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Post & Tail Diameter	.99 mm[.039 in]
Termination Post & Tail Length	4.72 mm[.186 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Screw Mount
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	PA 66
Centerline (Pitch)	5 mm[.197 in]

Dimensions

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Connector Width	17.5 mm[.689 in]
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Usage Conditions

Operating Temperature Range	-55 – 130 °C[-67 – 266 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

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: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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

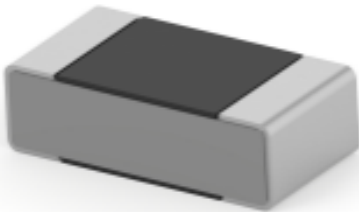


TE Part # 207377-1
HSG,PLUG 6 POSN,METRIMATE

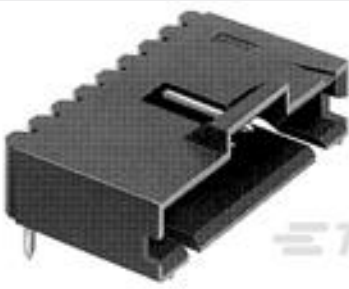
Customers Also Bought




TE Part #1825255-1
MHS12204=SPDT SL SW VERT AG




TE Part #4-2176236-6
CPF A 0402 82K 0.1% 25PPM 5K RL




TE Part #5-103634-4
05 MTE HDR SRRA LATCH.100CL LF




TE Part #1-1674231-1
2.5MM PITCH BATTERY REC
ASSEMBLY DIP TYP

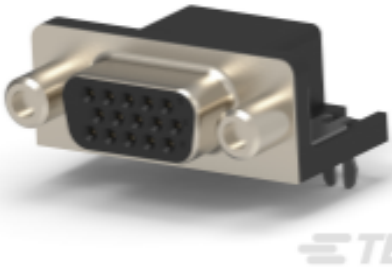


TE Part #5-104363-4
05 MTE HDR SRST LATCH .100CL




TE Part #1-207369-1
CPC RECEPT ASSY SIZE 17-28 LF






TE Part #2311763-2
AMPL REC, HD22, R/A, 15P,
THREADED



TE Part #9-1879061-9
CPF0402 120K 0.1% 25PPM 5K RL



TE Part #5-104363-7
08 MTE HDR SRST LATCH .100CL

Documents

- CAD Files

Customer View Model

ENG_CVM_207583-6_J.3d_igs.zip

English
- Customer View Model

ENG_CVM_207583-6_J.3d_stp.zip

English



Customer View Model

[ENG_CVM_207583-6_J.2d_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_207583-6_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_207583-6_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_207583-6_M.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[METRIMATE_PIN_SOCKET_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

[METRIMATE Self-Locking Connectors](#)

Japanese

[Application Specification](#)

Japanese

Agency Approvals

[UL Report](#)

English