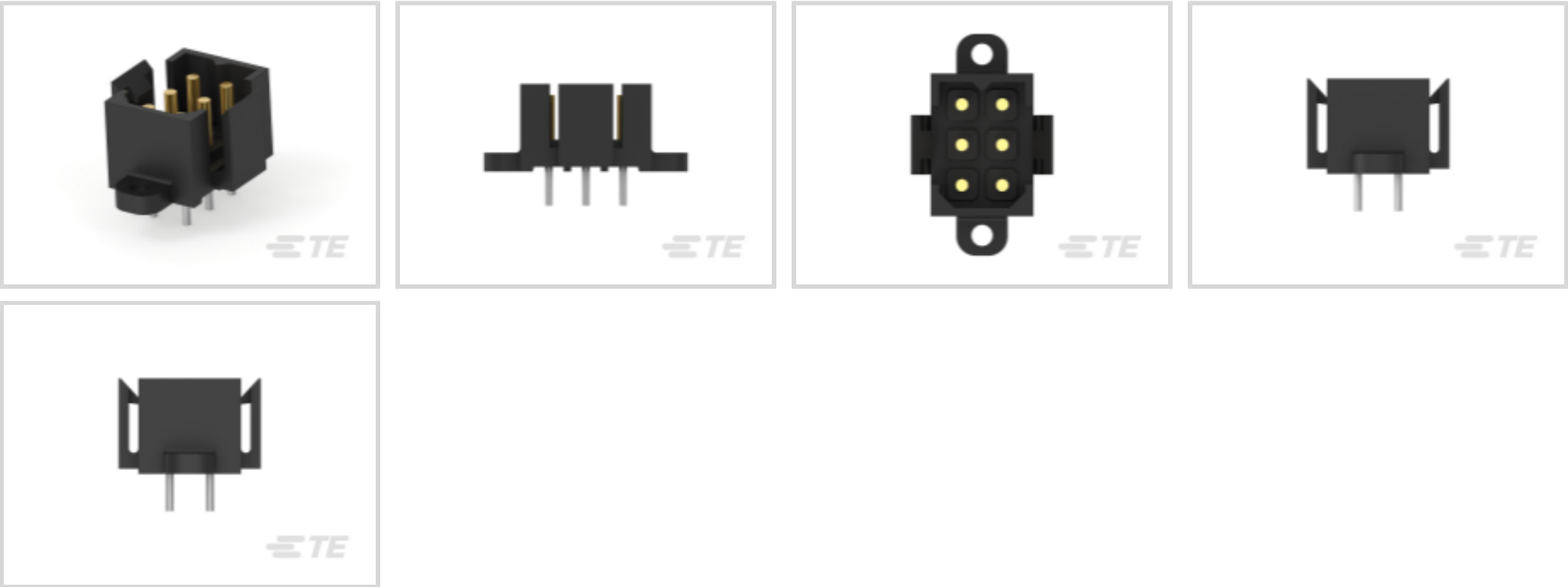




Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**
Number of Positions: **6**
Number of Rows: **3**
Centerline (Pitch): **5 mm [.197 in]**
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Columns	2
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	3
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Contact Layout	Matrix
Mating Pin Diameter	1.75 mm[.069 in]
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	17.65 mm[.695 in]
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Connector Height	11.79 mm[.464 in]
Connector Width	12.7 mm[.5 in]
Row-to-Row Spacing	5 mm[.197 in]

Usage Conditions

Operating Temperature (Max)	130 °C[266 °F]
Operating Temperature Range	-55 – 130 °C[-67 – 266 °F]

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	98
Packaging Method	Box

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 207152-1
6 POS SQ GRID METRIMATE-PLUG

Also in the Series | AMP Metrimate

Connector Caps & Covers(4)

Connector Hardware(4)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(83)

Rectangular Connector Housings(35)

Rectangular Contact Inserts(4)

Standard Rectangular Connectors(5)

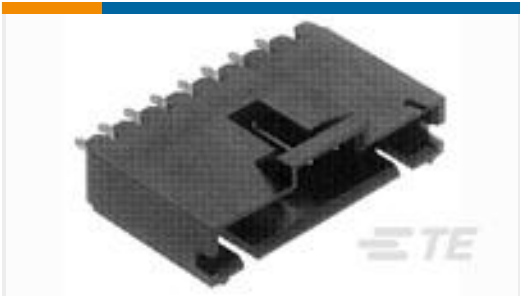
Customers Also Bought

TE Part #5745074-4
HD-20 PLUG 37P VERT FFSCRLK

TE Part #207120-8
METRIMATE PIN HEADER ASSY,12P

TE Part #1-206763-3
METRIMATE PIN HEADER ASSY,24P

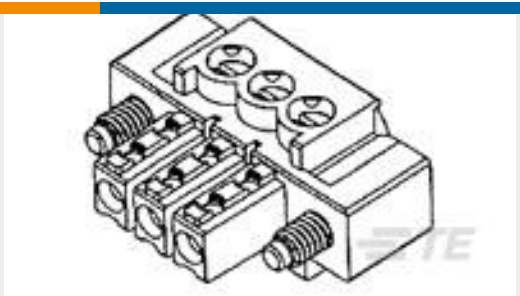
TE Part #207365-7
METRIMATE PIN HEADER ASSY,3P



TE Part #5-103669-2
03 MTE HDR SRST LATCH W/HLDWN



TE Part #640445-6
06P MTA156 HDR ASSY FL/STR SN



TE Part #284510-8
8P TERM-BLOK PLUG CON VITI



TE Part #1-1437558-0
MTA106D=(MSTA) SWITCH TOGGLE S



TE Part #6116353-4
INV MJ,1X2,PNL GRD,LED (Y/G)



TE Part #207396-1
HSG,PLUG 10 POSN,METRIMATE

Documents

Product Drawings

METRIMATE PIN HDR ASY,6P LF

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-207158-0_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-207158-0_U.3d_igs.zip

English

Customer View Model

ENG_CVM_1-207158-0_U.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-207158-0_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-207158-0_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-207158-0_Y.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
[Product Specification](#)
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Agency Approvals
[CSA Certificate](#)
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