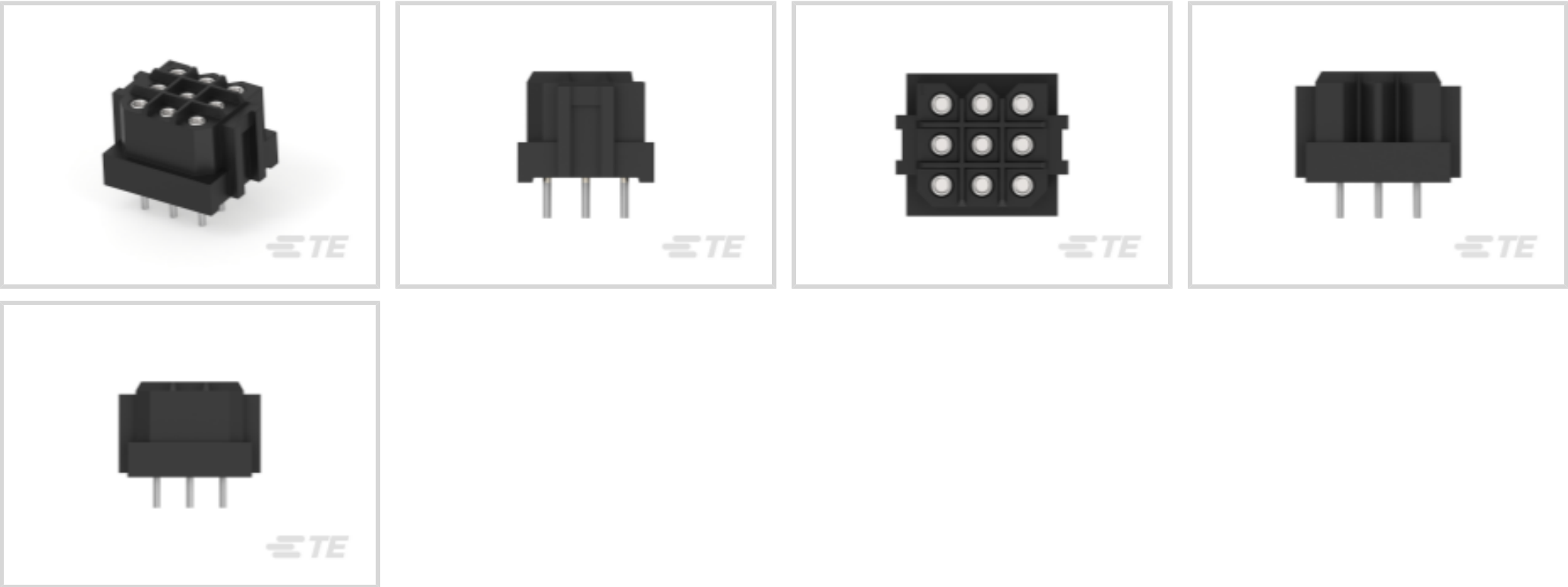




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **12**

Number of Rows: **4**

Features

Electrical Characteristics

Operating Voltage	600 VDC
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Dimensions

Row-to-Row Spacing	5 mm[.197 in]
Connector Width	16.25 mm[.64 in]
Connector Height	14.35 mm[.565 in]
Connector Length	20.32 mm[.8 in]

Packaging Features

Packaging Quantity	70
Packaging Method	Tray

Industry Standards

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

Mechanical Attachment

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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

Termination Features

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

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1.75 mm[.069 in]
Contact Underplating Material Thickness	1.27 µm[50 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 Layout	Matrix
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	7.5 A

Housing Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	4



Product Type Features

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

Body Features

Primary Product Color	Black
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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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 # 207018-1
METRIMATE RCPT 12 POS

Also in the Series | AMP Metrimate

Connector Caps & Covers(4)

Connector Hardware(4)

Insertion & Extraction Tools(1)

Rectangular Connector Housings(34)

Rectangular Contact Inserts(4)

Standard Rectangular Connectors(2)

Wire-to-Board Headers & Receptacles (80)

Customers Also Bought

TE Part #796634-8
8 POS 5.08MM R/A PLUG,TRM BLK

TE Part #66601-1
III+ SKT,18-14,TIN-LEAD,LP

TE Part #5555165-1
M/J, LPF, R/A, 6P/6C, TIN, BUL

TE Part #284065-8
TERMI-BLOK HDR 180, 5,08MM P.M



TE Part #2-2176330-9
CRGP 2010 2K2 1%

TE Part #2-2176330-1
CRGP 2010 470R 1%

TE Part #2007804-2
IMP100S,H,V3P16C,UG,OEW39,4.9

TE Part #745286-3
LATCHING BLOCK SZ 1-4 BULK

TE Part #213780-5
CPC RECPT ASSEMBLY SIZE 23-24

TE Part #103503-E
SMCEZT VH * * VERRIEG.HEBEL NEU
STG B/Q

Documents

Product Drawings

SKT HDR ASSY,12P,MMATE LF

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_207528-8_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_207528-8_L.3d_igs.zip

English

Customer View Model

ENG_CVM_207528-8_L.3d_stp.zip

English

3D PDF

3D

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Customer View Model

ENG_CVM_CVM_207528-8_Z.3d_igs.zip

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ENG_CVM_CVM_207528-8_Z.3d_stp.zip

English



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Datasheets & Catalog Pages
METRIMATE_PIN_SOCKET_CATALOG
English

Product Specifications
Product Specification
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Agency Approvals
CSA Certificate
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