METRIMATE

TE Internal #: 213672-3

PCB Mount Header, Vertical, Wire-to-Board, 25 Position, 5.08 mm [. 2 in] Centerline, Fully Shrouded, Gold (Au), 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: 25
Number of Rows: 5

Features

Product Type Features

Connector Shape	Rectangular
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	

Number of Loaded Positions	25
Number of Power Positions	25
PCB Mount Orientation	Vertical
Number of Positions	25
Number of Rows	5

Electrical Characteristics



Body Features Primary Product Color Contact Features Contact Descripting Material Contact Descripting Material Contact Underplating Material Contact Underplating Material Contact Underplating Material I hickness Contact Library Material Contact Lemination Area Plating Material I hickness Contact Layout Matrix PCB Contact Lemination Area Plating Material I hickness Contact Lemination Area Plating Material I hin Contact Mating Area Plating Material Contact Underplating Material Gold (Au) Contact Lype Pin Contact Uspe Pin Contact Current Rating (Max) A.5 A Termination Features I emination Post & Lail Length I emination Post & Lail Length I emination Method to PCB I through Hole Solder Machanical Attachment Mating Alignment Type Bilindmate PCB Mount Ratention Without Connector Mounting Type Mount Ratention Without Connector Mounting Type Board Mount Mating Alignment Without Connector Mounting Type Board Mount Mating Alignment Housing Features Housing Material Connector Mounting Type Dimensions Row to Row Specing A.39 mm(1.73 in] Connector Width PCB I hickness (Recommended) Connector Height 40.77 mm(1.61 in)	Operating Voltage	600 VDC
Contact Features Contact Underplating Material Nickel Contact Underplating Material Intickness 1.27 µm(50 µm) Contact Mating Area Plating Material Thickness 2.54 µm(100 µm) PCB Contact Termination Area Plating Material Thickness 2.54 µm(100 µm) Contact Layout Matrix PCB Contact Termination Area Plating Material Thickness 2.54 µm(100 µm) Contact Layout Matrix PCB Contact Termination Area Plating Material Tim Contact Mating Area Plating Material Cold (Au) Contact Uppe Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm(.225 in) Termination Method to PCB Through Hole - Soldier Mechanical Attachment Mating Retention Without Mating Alignment Type Blindmate PCB Mount Retention Type Mounting Hole PCB Mount Retention With Connector Mounting Type Board Mount Mating Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Ptcn) 5.08 mm(.2 in) Dimensions Row-to-Row Spacing 4.39 mm(.173 in) Connector Width 30.78 mm(1.212 in) PCB Thickness (Recommended) 1.6 mm(.063 in)		
Contact Underplating Material Thickness 1.27 µm[s0 µin] Contact Mating Area Plating Material Thickness 7.6 µm[s0 µin] PCB Contact Termination Area Plating Material Thickness 2.54 µm[100 µin] Contact Layout Matrix PCB Contact Termination Area Plating Material Thickness Tin Gold (Au) Contact Mating Area Plating Material Gold (Au) Contact lype Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm[225 in] Termination Method to PCB Through Hole Solder Mechanical Attachment Mating Alignment Type Blindmate PCB Mount Retention Type Mounting Hole PCB Mount Retention Without Connector Mounting Typa Board Mount Mating Alignment Without Connector Mounting Typa Board Mount Mating Alignment Pope Board Mount Mating Alignment Pope Board Mount Mating Alignment Pope Board Mount Mating Alignment Space Board Mount Mating Alignment Pope Board Mount Mating Alignment Pope Board Mount Mating Alignment Pope Board Mount Mating Alignment Housing Features Housing Material Polyester Conterline (Pitch) 5.08 mm[2 in] Dimensions Row to Row Spacing 4.39 mm[173 in] Connector Width 30.78 mm[173 in] PCB Thickness (Recommended) 1.6 mm[163 in]	Primary Product Color	Black
Contact Underplating Material Thickness 1.27 µm[50 µin] Contact Mating Area Plating Material Thickness 2.54 µm[100 µin] PCB Contact Termination Area Plating Material Thickness 2.54 µm[100 µin] Contact Layout Matrix PCB Contact Termination Area Plating Material Thickness Tin Contact Mating Area Plating Material Gold (Au) Contact Mating Area Plating Material Gold (Au) Contact Type Pin Contact Termination (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm[,225 in] Termination Method to PCB Through Hole Solder Mechanical Attachment Mating Alignment Type Blindmate PCB Mount Retention Without Mating Alignment Type Mounting Hole PCB Mount Retention With PCB Mounting Hole PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Pitch) 5.08 mm[, 2 in] Dimensions Row-to-Row Spacing 4.39 mm[, 1.21 in] PCB Thickness (Recommended) 1.6 mm[, 063 in]	Contact Features	
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PCB Contact Termination Area Plating Material Thickness 2.54 µm[100 µin] Contact Layout Matrix PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Gold (Au) Contact Type Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm[.225 in] Termination Method to PCB Through Hole - Solder Mechanical Attachment Mating Retention Without Mating Alignment Type Blindmate PCB Mount Retention Type Mounting Hole PCB Mount Retention Without Connector Mounting Type Board Mount Mating Alignment Without Connector Mounting Type Roard Mount Mating Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Pitch) 5.08 mm[.2 in] Dimensions Row to Row Spacing 4.39 mm[.173 in] Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]		1.27 μm[50 μin]
Contact Layout Matrix PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Gold (Au) Contact Type Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm[.225 in] Termination Method to PCB Through Hole - Solder Mechanical Attachment Mating Retention Without Blindmate PCB Mount Retention Type Blindmate PCB Mount Retention Type Mounting Hole PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment Without Connector Mounting Type Board Mount Housing Features Housing Material Polyester Conterline (Pitch) 5.08 mm[.2 in] Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Contact Type Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length Termination Method to PCB Through Hole - Solder Mechanical Attachment Mating Retention Without Mating Alignment Type Blindmate PCB Mount Retention Type Mounting Flole PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Pitch) Dimensions Row-to-Row Spacing A.39 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Mating Area Plating Material Contact Type Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length Termination Method to PCB Mechanical Attachment Mating Retention Without Mating Alignment Type Blindmate PCB Mount Retention Type Mount Retention With PCB Mount Alignment With Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing A 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	Contact Layout	Matrix
Contact Type Pin Contact Current Rating (Max) 7.5 A Termination Features Termination Post & Tail Length 5.72 mm[.225 in] Termination Method to PCB Through Hole Solder Mechanical Attachment Mating Retention Without Mating Alignment Type Blindmate PCB Mount Retention Type Mounting Hole PCB Mount Retention With PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Pitch) 5.08 mm[.2 in] Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	PCB Contact Termination Area Plating Material	Tin
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Termination Method to PCB Mechanical Attachment Mating Retention Mating Alignment Type PCB Mount Retention Type PCB Mount Retention With PCB Mount Alignment Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) Through Hole - Solder Mithout Mithout Without With With PCB Mount Alignment With With Housing Features Housing Features Housing Material Polyester 2.08 mm[.2 in] Dimensions	Termination Features	
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PCB Mount Retention PCB Mount Alignment Without Connector Mounting Type Board Mount With Mating Alignment With Housing Features Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width PCB Thickness (Recommended) With 4.30 mm[.063 in]	Mating Alignment Type	Blindmate
PCB Mount Alignment Without Connector Mounting Type Board Mount Mating Alignment With Housing Features Housing Material Polyester Centerline (Pitch) 5.08 mm[.2 in] Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	PCB Mount Retention Type	Mounting Hole
Connector Mounting Type Mating Alignment With Housing Features Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 90 yester 4.39 mm[.173 in] Annex Mounting Mou	PCB Mount Retention	With
Mating Alignment Housing Features Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing Connector Width PCB Thickness (Recommended) With With With With 4.39 mm[.2 in] Mating Alignment Polyester 4.39 mm[.2 in] 4.39 mm[.173 in] 1.6 mm[.063 in]	PCB Mount Alignment	Without
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Housing Material Centerline (Pitch) Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 9CB Thickness (Recommended) Polyester 5.08 mm[.2 in] 4.39 mm[.173 in] 1.6 mm[.063 in]	Mating Alignment	With
Centerline (Pitch) 5.08 mm[.2 in] Dimensions Row-to-Row Spacing 4.39 mm[.173 in] Connector Width 30.78 mm[1.212 in] PCB Thickness (Recommended) 1.6 mm[.063 in]	Housing Features	
DimensionsRow-to-Row Spacing4.39 mm[.173 in]Connector Width30.78 mm[1.212 in]PCB Thickness (Recommended)1.6 mm[.063 in]	Housing Material	Polyester
Row-to-Row Spacing4.39 mm[.173 in]Connector Width30.78 mm[1.212 in]PCB Thickness (Recommended)1.6 mm[.063 in]	Centerline (Pitch)	5.08 mm[.2 in]
Connector Width PCB Thickness (Recommended) 30.78 mm[1.212 in] 1.6 mm[.063 in]	Dimensions	
PCB Thickness (Recommended) 1.6 mm[.063 in]	Row-to-Row Spacing	4.39 mm[.173 in]
	Connector Width	30.78 mm[1.212 in]
Connector Height 40.77 mm[1.61 in]	PCB Thickness (Recommended)	1.6 mm[.063 in]
	Connector Height	40.77 mm[1.61 in]



Connector Length	62.53 mm[2.462 in]
Usage Conditions	
Operating Temperature (Max)	130 °C[266 °F]
Operating Temperature Range	-55 – 130 °C[-67 – 266 °F]
Operation/Application	
Shielded	No
Circuit Application	Power & Signal
Industry Standards	
Compatible With Agency/Standards Products	CSA, VDE
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	10
Packaging Method	Tray

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

PCB Mount Header, Vertical, Wire-to-Board, 25 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Power & Signal



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 #6-1532166-7 094-4706-9003=MCK-N1-X1-51SRT1 TE Part #6-1532166-6 094-4105-9003=MCK-N1-X1-9PRT1

Documents

CAD Files
3D PDF

3D



Customer View Model

ENG_CVM_CVM_213672-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_213672-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_213672-3_D.3d_stp.zip

English

Customer View Model

ENG_CVM_213672-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_213672-3_C.3d_stp.zip

English

Customer View Model

ENG_CVM_213672-3_C.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

METRIMATE_PIN_SOCKET_CATALOG

English

Product Specifications

Application Specification

English