

644211-5 ✓ ACTIVE

MTA | MTA 100

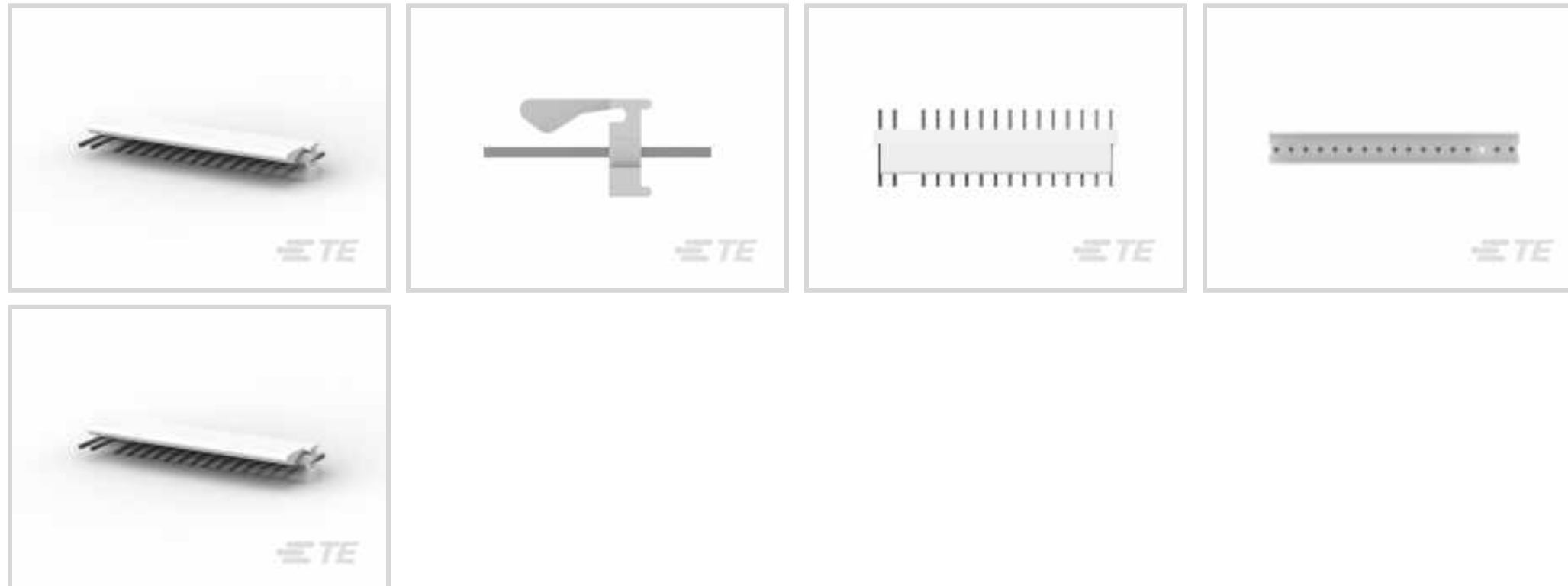
TE Internal #: 644211-5

MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 17 Position, 2.54mm [.1in] Centerline, 1 Row, Tin, Natural, Unshrouded, Printed Circuit Board

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **17**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	17
PCB Mount Orientation	Vertical
Number of Positions	17
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
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Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.81 μ m[150 μ in]
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.81 μ m[150 μ in]
Contact Type	Post
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Natural
Housing Material	Polyester - GF

Dimensions

Connector Length	43.18 – 43.18 mm[1.7 – 1.7 in]
Connector Height	10.03 mm[.395 in]
Connector Width	5.71 mm[.225 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]



Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Method	Package
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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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | MTA 100



PCB Connector Covers(107)



PCB Connector Keying(1)



Standard Rectangular Connectors
(1730)

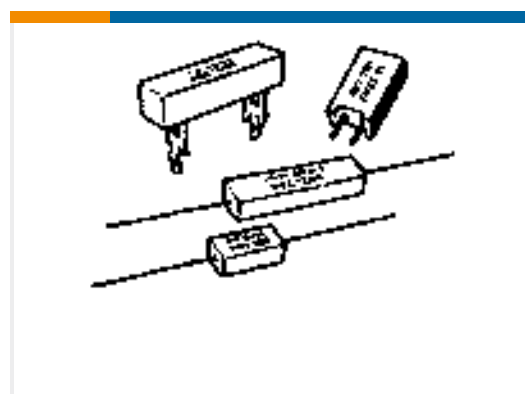


Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles
(1207)

Customers Also Bought



TE Model / Part #1623781-7
SQM3 270R 5% METAL FILM



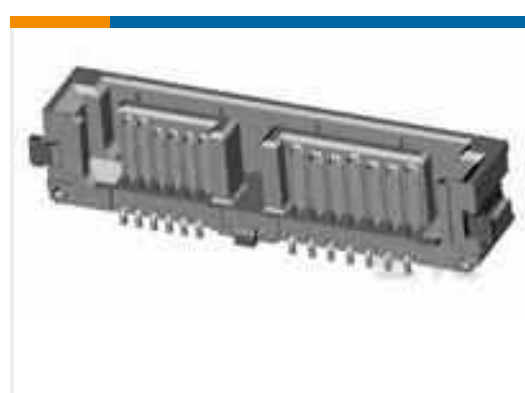
TE Model / Part #ZPF00000000201458
983-1YE 10-12 PN



TE Model / Part #647306-2
18P MTA100 HDR ASSY F/L OMIT#2



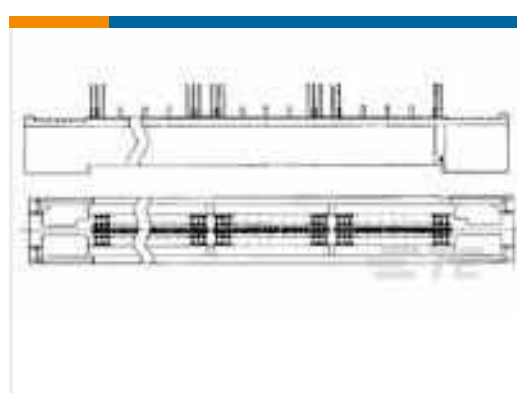
TE Model / Part #3-1879226-2
CPF 1206 25K5 0.1% 25PPM 1K RL



TE Model / Part #1735574-2
Assembly Slimline SATA Plug Vertical,
TH



TE Model / Part #6-1676941-4
3630F 68UH 20%



TE Model / Part #5767044-3
MICTOR,R/A,RECPT,.062,114,ASY



TE Model / Part #1-1624116-0
BMB-B 0603 420R



Documents

Product Drawings

[17P MTA100 HDR ASSY F/L W/O#15](#)

English

CAD Files

Customer View Model

[ENG_CVM_644211-5_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_644211-5_E.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_644211-5_E.2d_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_644211-5_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_644211-5_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_644211-5_F.3d_stp.zip](#)

English

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Agency Approvals

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English