

1-829315-0 ✓ ACTIVE

AMPMODU | AMPMODU Headers

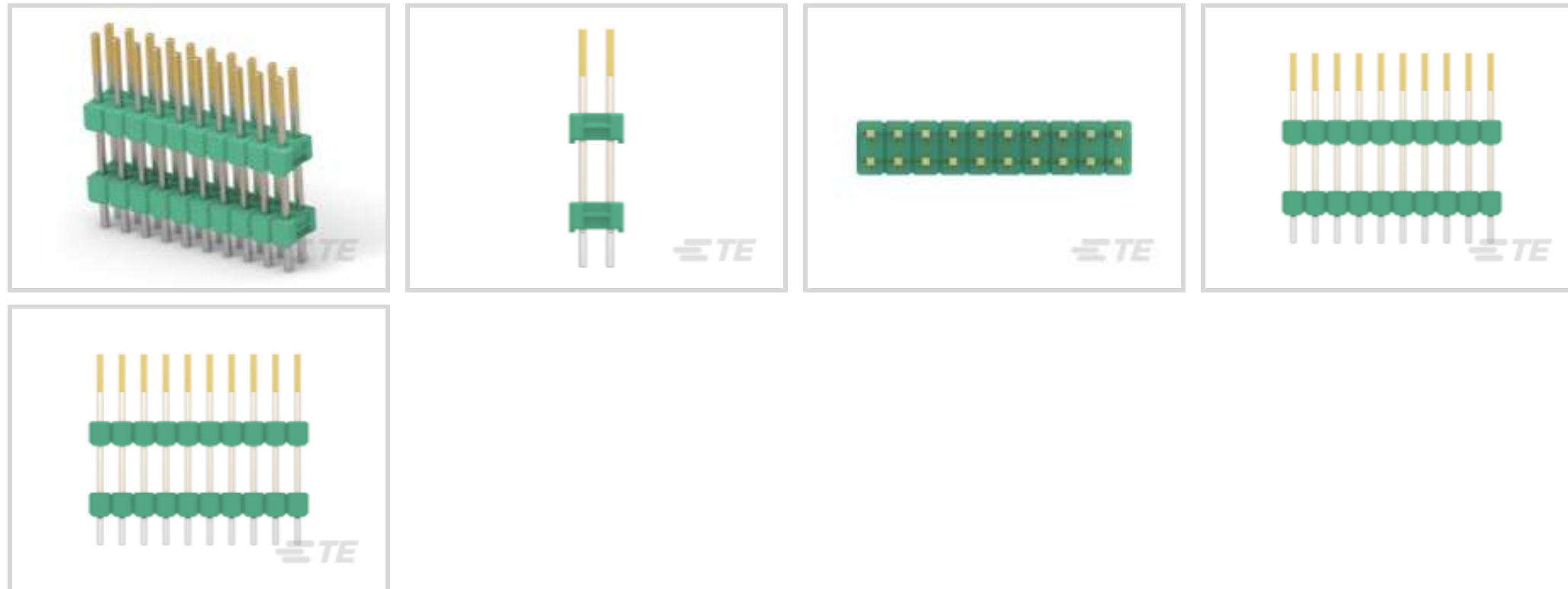
TE Internal #: 1-829315-0

PCB Mount Header, Vertical, Board-to-Board, 20 Position, 2.54 mm
[.1 in] Centerline, Breakaway, Gold, Through Hole - Solder, Signal,
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Parallel

Body Features

Primary Product Color	Green
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Contact Features



Contact Mating Area Length	2.9 mm[.114 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Zinc
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.1 μ m[3.94 μ in]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	PBT GF

Dimensions

Connector Length	25.4 mm[1 in]
Connector Width	5 mm[.196 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	11 mm[.433 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	200
Packaging Type	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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 1-534206-0
20 MODII VRT DR CE 100/115



TE Part # 6-147424-0
20 MODII VRT DR CE .100 X .100



TE Part # 829325-4
2X4P MOD2 STIFTLI

Also in the Series | AMPMODU Headers



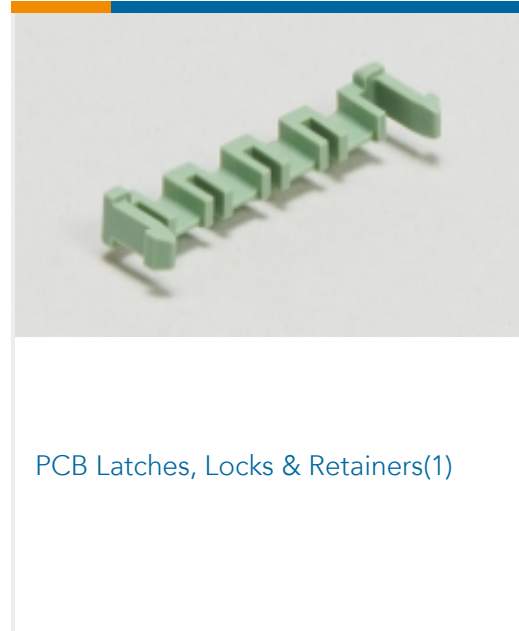
PCB Connector Mounting(1)



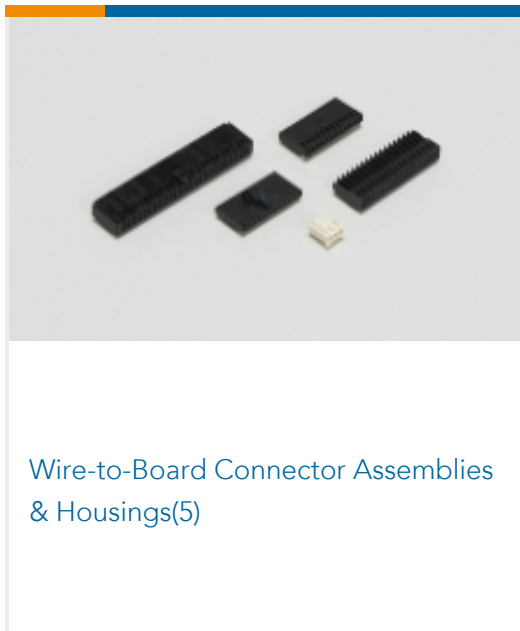
PCB Connector Shrouds(1)



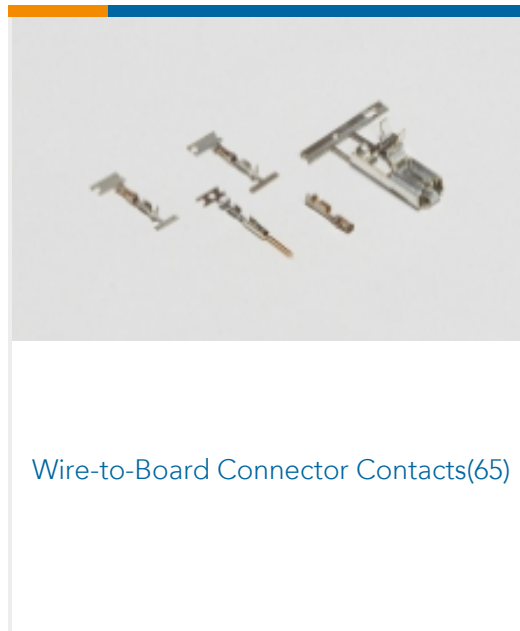
PCB Headers & Receptacles(4875)



PCB Latches, Locks & Retainers(1)



Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Connector Contacts(65)

Customers Also Bought



TE Part #1-2007492-5
SFP+assy 2x1 EMI Springs 4LP Sn Enhanced



TE Part #9-2176231-2
3522 62K 1% 3W



TE Part #1-1393644-6
V42254B1100C960=PC612 MESSERLE



TE Part #2-2013290-1
EMBOSS TAPE DDR3 204P 5.2H RVS



TE Part #2173132-1
ELCON MINI 4P VERT HEADER, UNSHIELDED,SOL



TE Part #6-1879501-9
CRGH2512 5% 680R 2W



TE Part #2337992-8
RJ45 JACK MAG. POE 1GB LED 1X1



TE Part #5-1879352-3
RR02 5% 47R AMMO



Documents

Product Drawings

[2X10P MOD2 STIFTLEI](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-829315-0_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-829315-0_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-829315-0_E.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU Interconnection System](#)

[AMPMODU Interconnection System](#)

English

Product Environmental Compliance

[Product Compliance](#)

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