

**AMPMODU Headers**

TE Internal #: 825440-5

AMPMODU Headers, PCB Mount Header, Vertical, 10 Position, 2.54 mm [.1in] Centerline, Breakaway / Standard, 2 Row, Green

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Connectors > PCB Connectors > Multiple Configuration PCB Connectors > Multiple Config PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

Number of Positions: **10**

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

Contact Type: **Pin**

**Features**

**Product Type Features**

PCB Connector Assembly Type	PCB Mount Header
Connector & Contact Terminates To	Printed Circuit Board
Header Type	Breakaway, Standard

**Configuration Features**

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2

**Electrical Characteristics**

Dielectric Withstanding Voltage	750 V
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**Body Features**

Connector Profile	Standard
Post Size	.64 mm[.025 in]

**Contact Features**

Mating Post Length	6.7 mm[.264 in]
PCB Contact Termination Area Plating Material Thickness	2.5 μm
Contact Mating Area Plating Material Thickness	.7 μm
Contact Mating Area Plating Material	Gold



Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, CuZn
Contact Type	Pin

### Termination Features

Termination Post & Tail Length	3.2 mm[.1259 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	.06 mm
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions

High Temperature Housing	No
Operating Temperature Range	-65 – 105 °C

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	400
Packaging Method	Carton

### Other

Comment	Headers are side-to-side stackable., With strain relief.
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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: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197)
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.

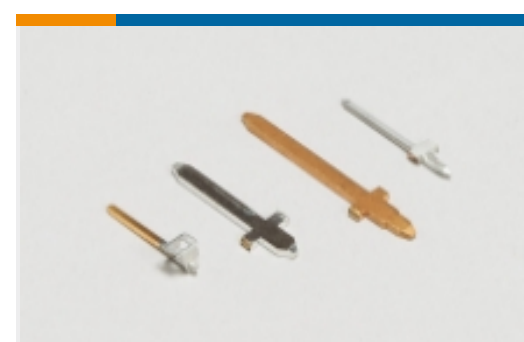
## Also in the Series | AMPMODU Headers



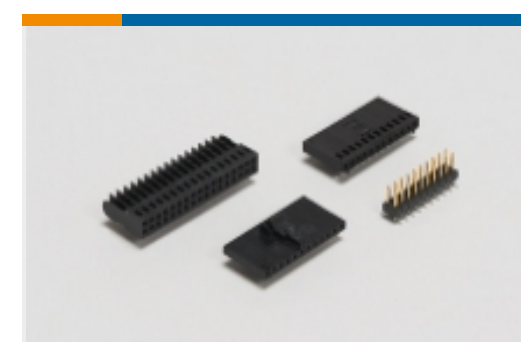
Automotive, Truck, Bus, & Off-Road Headers(6)



Board-to-Board Headers & Receptacles(1571)



Multiple Configuration PCB Connector Contacts (74)



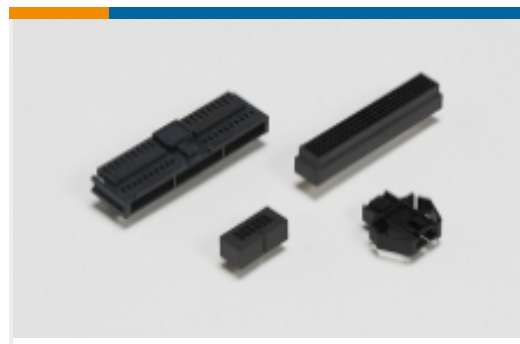
Multiple Configuration PCB Connector Housings (3)



Multiple Configuration  
PCB Headers &  
Receptacles(4195)



PCB Connector Mounting  
(1)



PCB Connector Shrouds(1)

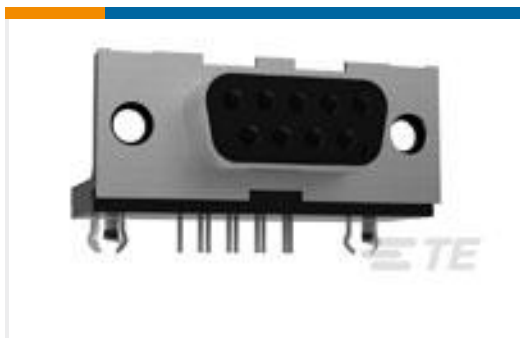


PCB Latches, Locks &  
Retainers(2)



Standard Rectangular  
Connectors(1)

## Customers Also Bought



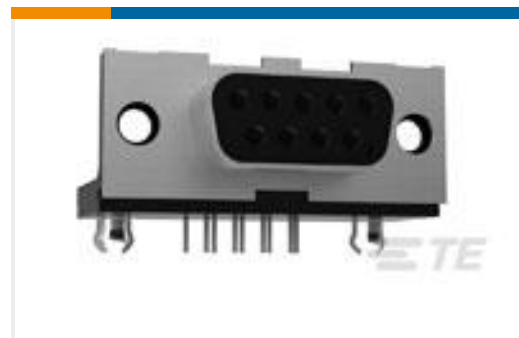
TE Model / Part #1-106507-  
2  
25P.HDP20 REC.ASSY.



TE Model / Part #9-  
1393644-1  
V42254B1200C960=PC612  
MESSERLE



TE Model / Part #1-338168-  
2  
9POL HDP20 PLUG



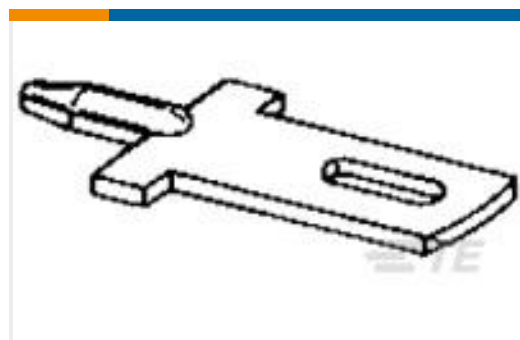
TE Model / Part #1-106506-  
2  
15P.HDP20 REC.ASSY.



TE Model / Part #825440-3  
MOD 2 PINHDR 2X03P.



TE Model / Part #825440-8  
OD 2 PINHDR 2X08P.



TE Model / Part #735427-2  
FASTON 110 PCB TAB .  
.0315 X .550 TPBR



TE Model / Part #925370-5  
MOD IV REC HSG 2X5P.



TE Model / Part #825440-4  
MOD 2 PINHDR 2X04P.

## Documents



### Product Drawings

[MOD 2 PINHDR 2X05P.](#)

English

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### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_825440-5\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_825440-5\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_825440-5\\_F.3d\\_stp.zip](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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### Agency Approvals

[UL Report](#)

English