

5-146486-3 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-146486-3

AMPMODU Headers, PCB Mount Header, Vertical, Board-to-Board, 6 Position, 2.54mm [.1in] Centerline, Unshrouded, Tin, Printed Circuit Board

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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

## Features

### Product Type Features

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

### Configuration Features

Number of Rows	2
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	6
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Insulation Resistance	5000 MΩ
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### Contact Features

Contact Mating Area Length	2.79 mm[.109 in]
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μin
Contact Shape & Form	Square



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	3 A

#### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.12 mm[.123 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 Color	Black
Housing Material	Thermoplastic

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	7.62 mm[.3 in]
PCB Thickness (Recommended)	1.4 mm[.0551 in]

#### Usage Conditions

Operating Temperature Range	-65 – 125 $^{\circ}\text{C}$ [-85 – 257 $^{\circ}\text{F}$ ]
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#### Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

#### Industry Standards

Approved Standards	CSA LE7189, UL E28476
UL Flammability Rating	UL 94V-0

#### 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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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>

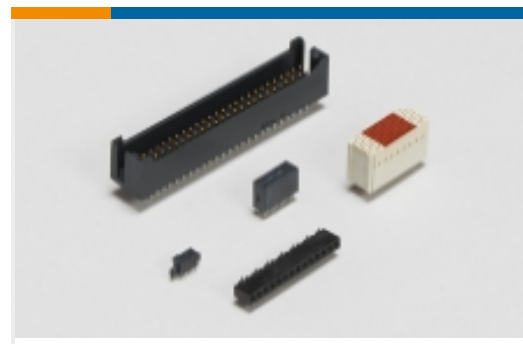
### Compatible Parts

 <p>TE Model / Part # 5-146490-3 06 MODII HDR DRST UNSHRD STKG</p>	 <p>TE Model / Part # 146483-3 06 MODII HDR DRST UNSHRD STKG</p>	 <p>TE Model / Part # 5-146483-3 06 MODII HDR DRST UNSHRD STKG</p>
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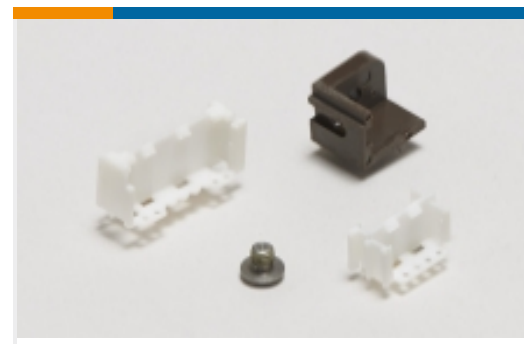
### Also in the Series | AMPMODU Headers



Automotive Headers(10)



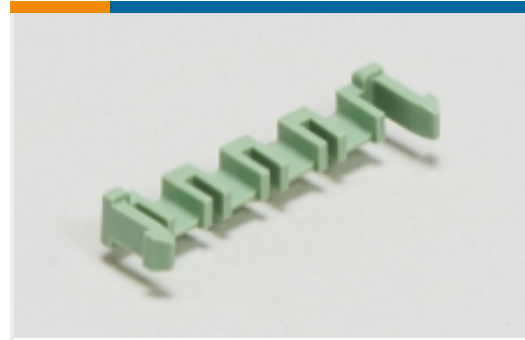
Board-to-Board Headers & Receptacles(5340)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(3)

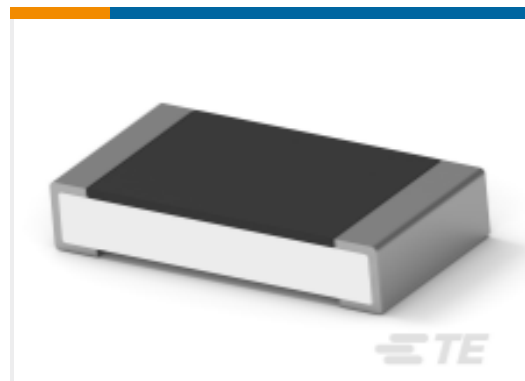


Wire-to-Board Connector Contacts(46)

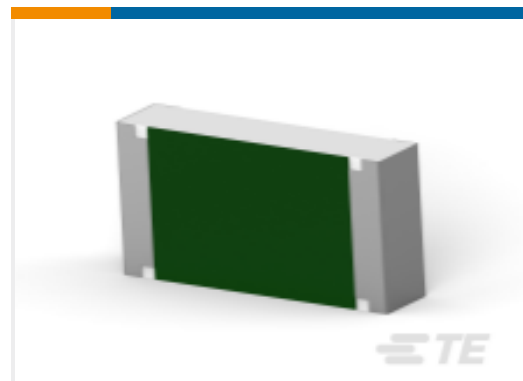


Wire-to-Board Headers & Receptacles (79)

## Customers Also Bought



TE Model / Part #1-2176391-0  
RQ 1206 15K4 0.1% 10PPM 5K RL



TE Model / Part #6-2176398-3  
3502 5M1 1%



TE Model / Part #5-146502-4  
08 MODII HDR DRST UNSHRD STKG



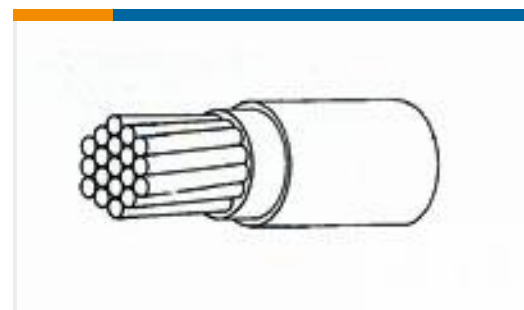
TE Model / Part #5-146458-2  
02 MODII HDR SRST UNSHRD STKG



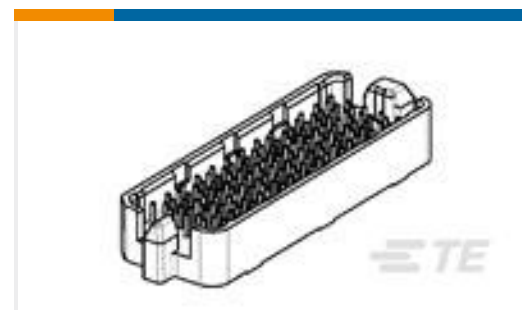
TE Model / Part #5-1879659-8  
H4 4K53 0.1% 15PPM



TE Model / Part #3-794624-8  
08P MICRO MNL ASSY,R/A,SMT LF



TE Model / Part #218052-005  
55A0811-14-9



TE Model / Part #6-2149780-1  
STRADA MESA,HD,HF,048,000,00,SN, Y,11

## Documents

### Product Drawings

[06 MODII HDR DRST UNSHRD STKG](#)

English

### Datasheets & Catalog Pages

[AMPMODU Interconnection System](#)

English

[AMPMODU Interconnection System](#)

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