

**2-825440-5**  ACTIVE**AMPMODU | AMPMODU Headers**

TE Internal #: 2-825440-5

PCB Mount Header, Vertical, Board-to-Board, 50 Position, 2.54 mm

[.1 in] Centerline, Breakaway, AMPMODU Headers

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PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **50**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**

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	50
Number of Rows	2
Board-to-Board Configuration	Parallel

**Electrical Characteristics**

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

**Body Features**

Primary Product Color	Green
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**Contact Features**

Mating Square Post Dimension	.64 mm[.025 in]
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PCB Contact Termination Area Plating Material Thickness	2.5 $\mu$ m
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.8 $\mu$ m[31.5 $\mu$ 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

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

#### Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 - 105 °C[-85 - 221 °F]

#### 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 Method	Carton

## Product Compliance

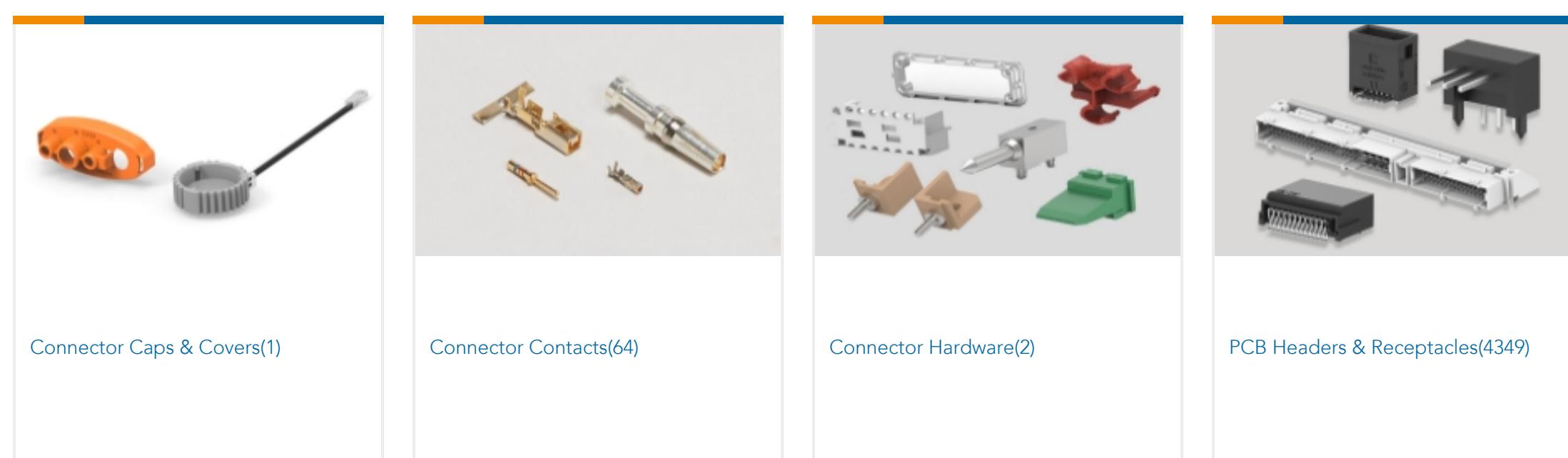
For compliance documentation, visit the product page on [TE.com](https://te.com)>

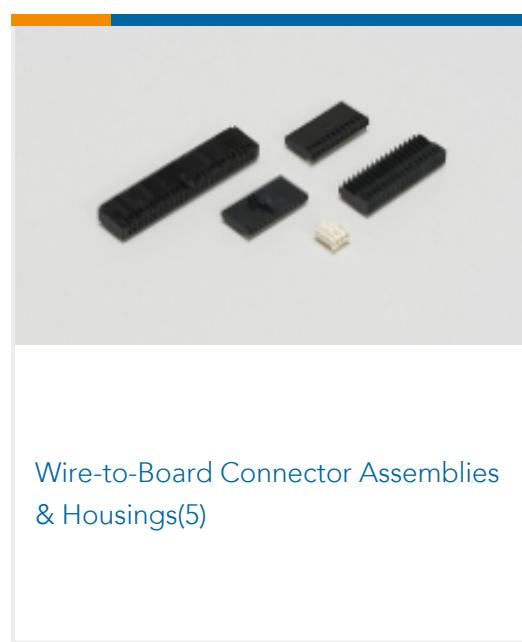
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

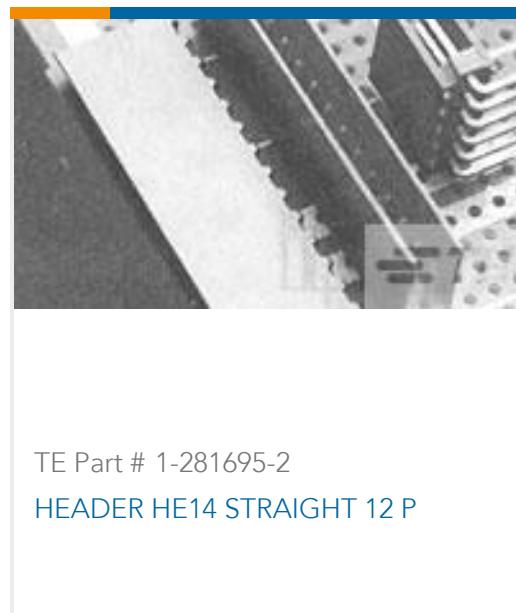
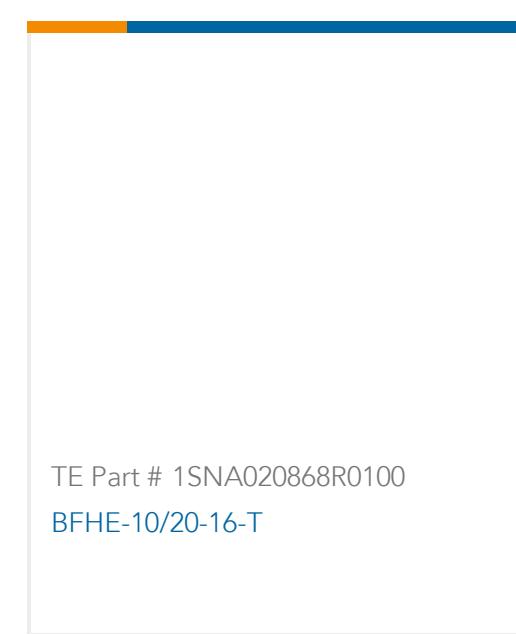
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

## Also in the Series | [AMPMODU Headers](#)



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

## Customers Also Bought

TE Part # 2-644861-6  
06P MTA100 SHRD HDR,W/O PEG SNTE Part # 1-281695-2  
HEADER HE14 STRAIGHT 12 PTE Part # 5-825437-0  
MODU 2 PIN HEADERTE Part # 1-84953-6  
1MM FPC HORZ.TOP CONT.ASSY 16PTE Part # 3-1623774-8  
C14 68R 5% (LOOSE)TE Part # 1SNA008290R1300  
FU520TE Part # 1SNA008291R0000  
FU520TE Part # 1SNA020868R0100  
BFHE-10/20-16-T

## Documents

### Product Drawings

[MOD 2 PINHDR 2X25P.](#)

English

### CAD Files

[3D PDF](#)

English

### Customer View Model

[ENG\\_CVM\\_2-825440-5\\_F.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_2-825440-5\\_F.3d\\_jgs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_2-825440-5\\_F.3d\\_stp.zip](#)

English

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**Agency Approvals**

[UL Report](#)

English