

1-281695-2 ✓ ACTIVE

AMPMODU | AMPMODU HE 13/HE 14

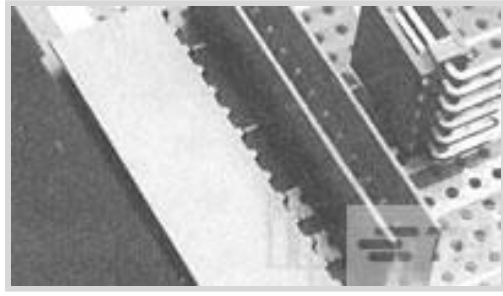
TE Internal #: 1-281695-2

PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, AMPMODU HE 13/HE 14

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > HE13/HE14 TH Headers, SRST



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

Number of Positions: **12**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

[All HE13/HE14 TH Headers, SRST \(21\)](#)

## Features

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	1
PCB Mount Orientation	Vertical

### Electrical Characteristics

Insulation Resistance	1000 M $\Omega$
Dielectric Withstanding Voltage (Max)	500 V

### Body Features

Primary Product Color	Blue
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### Contact Features

Contact Mating Area Length	7 mm
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Mating Square Post Dimension	.64 mm[.025 in]
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Contact Mating Area Plating Material Thickness	.8 $\mu$ m[31 $\mu$ in]
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Contact Shape & Form	Square
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Contact Mating Area Plating Material Finish	Matte
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Tin
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Contact Type	Pin
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Contact Current Rating (Max)	3 A
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### Termination Features

Square Termination Post & Tail Dimension	.63 mm[.025 in]
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Termination Post & Tail Length	2.9 mm
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mating Alignment Type	Polarization
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Mating Retention	With
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Panel Mount Feature	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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PCB Mount Retention	Without
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### Housing Features

Housing Material	High Temperature Thermoplastic
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Centerline (Pitch)	2.54 mm[.1 in]
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### Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Approved Standards	CSA LR7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features



Packaging Quantity	3000
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 # 1-281838-2  
HOUSING HE13 HE14 COSI 12 P

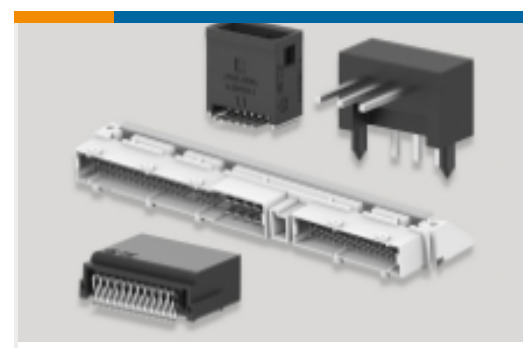


TE Part # CAT-AM74-H34011  
HE13/HE14 IDC Receptacle, SRST, AWG24-2

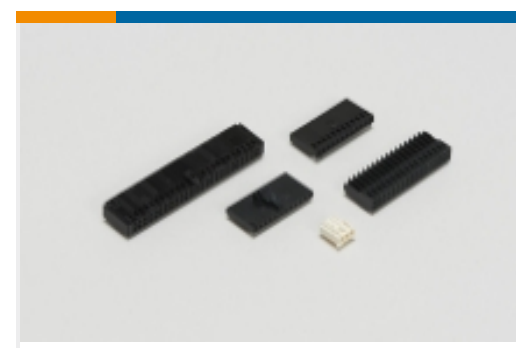
### Also in the Series | AMPMODU HE 13/HE 14



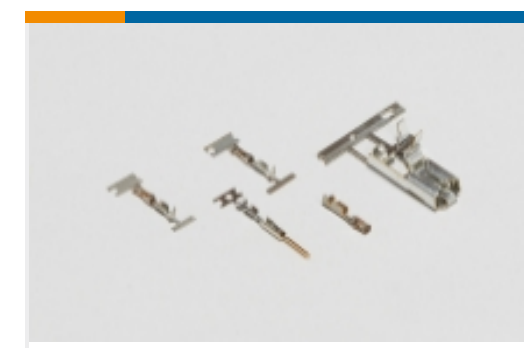
Insertion &amp; Extraction Tools(1)



PCB Headers &amp; Receptacles(83)

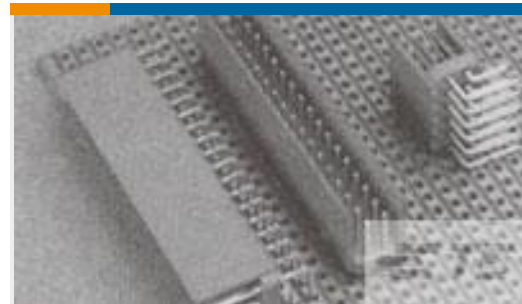
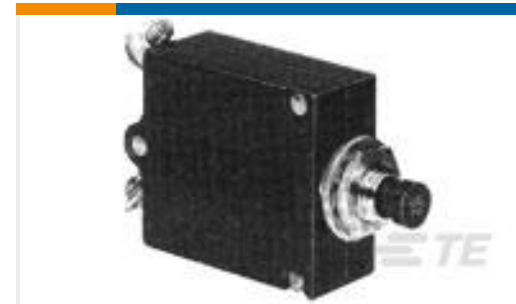
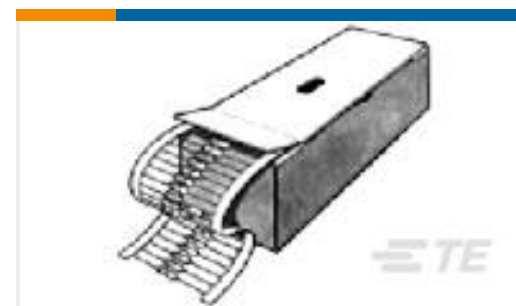


Wire-to-Board Connector Assemblies &amp; Housings(131)



Wire-to-Board Connector Contacts(4)

## Customers Also Bought

TE Part #281742-5  
HEADER HE14 RA 2X5 PTE Part #281695-3  
HEADER HE14 STRAIGHT 3 PTE Part #7-1393246-0  
W23-X1A1G-3=W23/W31TE Part #1825007-6  
DRD10E04=ROT DIP,10PTE Part #204511-1  
AMPLIMITE,ASY,PLUG,STD,90,6TE Part #282847-2  
TERMI-BLOK PCB MOUNT 35 2P.5TE Part #2176081-2  
EP 1W (S) 15R 5%TE Part #D42180-000  
B-155-05TE Part #EM6977-000  
X4-0.6-0-SP

## Documents

### Product Drawings

[HEADER HE14 STRAIGHT 12 P](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-281695-2\\_G.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-281695-2\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-281695-2\\_G.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications

[Product Specification](#)

French