

**1-826469-0**  ACTIVE**AMPMODU | AMPMODU Headers**

TE Internal #: 1-826469-0

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

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; 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	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Parallel

**Electrical Characteristics**

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

**Body Features**

Connector Profile	Standard
Primary Product Color	Black

**Contact Features**

PCB Contact Termination Area Plating Material Thickness	3 $\mu$ m
Mating Pin Diameter	.63 mm [.025 in]
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.8 $\mu$ m [31.5 $\mu$ in]
Contact Type	Pin
Contact Current Rating (Max)	5 A

#### Termination Features

Round Termination Post & Tail Diameter	.63 mm [.025 in]
Termination Post & Tail Length	3.2 mm [.126 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Retention	With
Mating Retention Type	Detent Latching
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

#### Housing Features

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

#### Dimensions

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

#### Usage Conditions

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

#### Operation/Application

## Solder Process Feature

## Board Standoff

## Circuit Application

## Signal

## Industry Standards

## Compatible With Agency/Standards Products

## CSA, UL

## Compatible With Approved Standards Products

## CSA LR7189, CUL E28476

## UL Flammability Rating

## UL 94V-0

## Packaging Features

## Packaging Quantity

## 200

## Packaging Method

## Box

## 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

## Pin-in-Paste capable to 260°C

## Product Compliance Disclaimer

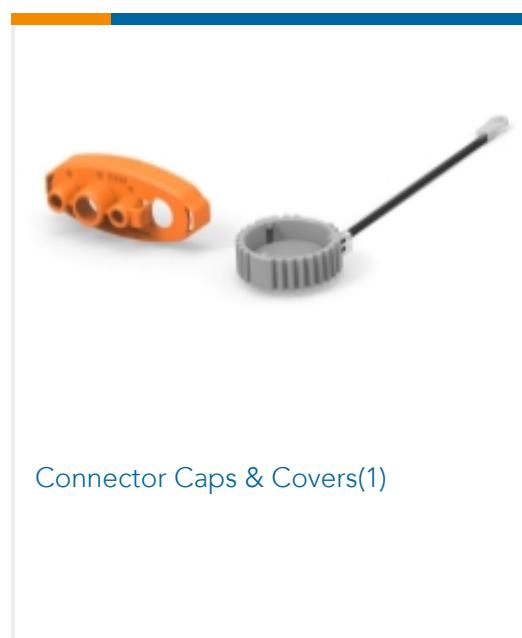
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

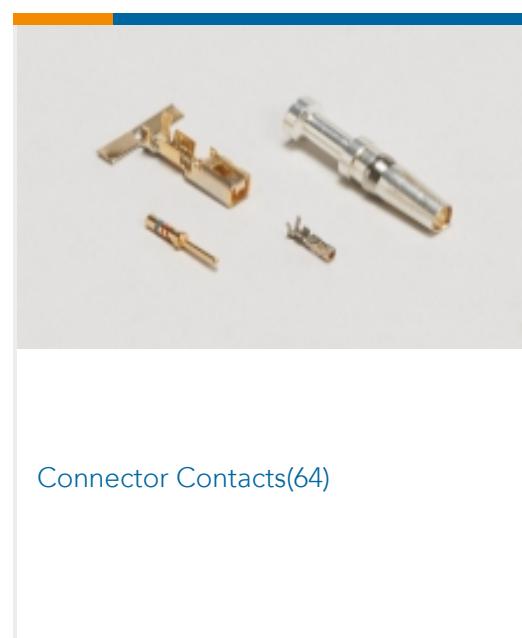
TE Part # 1-926476-0  
MOD 4 HSG

## Also in the Series

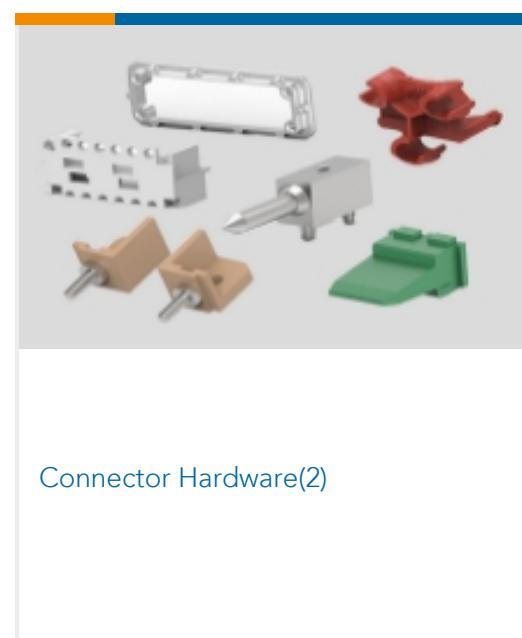
## AMPMODU Headers



Connector Caps &amp; Covers(1)



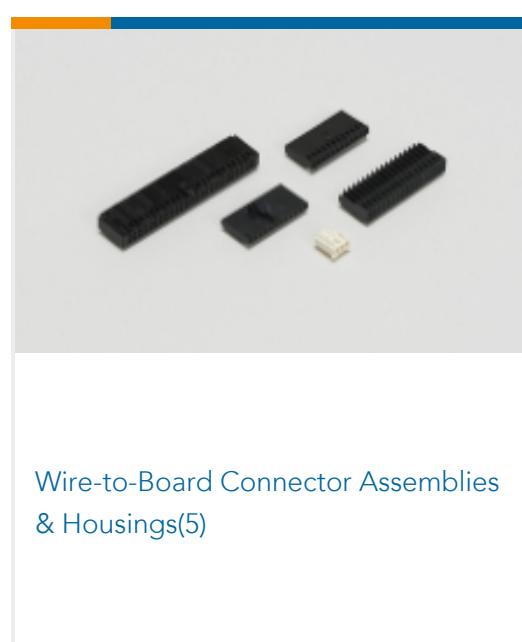
Connector Contacts(64)



Connector Hardware(2)



PCB Headers &amp; Receptacles(4349)

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

## Customers Also Bought

TE Part # 826469-5  
2X5P MOD II SHROUDED HEADER, STTE Part # 9-2176306-8  
RP 1E 0.1W 11K8 0.1% 25PPM 5K RLTE Part # 2-2176380-8  
RQ 0805 2K21 0.1% 10PPM 5K RLTE Part # 1-826469-3  
2X13P MOD II SHROUDED HEADER,  
STTE Part # K1127366  
Switch guard 07-0-0-04TE Part # 154717-E  
SMCB 12 F AB VV 7-03 CL \* H007 137  
E002TE Part # 244854-E  
SMCQ 12 M AB VV 8-03 CL \* H007 137  
E005TE Part # 254262-E  
SMCQ 12 F AB VV 7-03 CL \* 0007 137  
E002



TE Part # 254273-E  
SMCB 12 M AB VV 7-03 CL \* 0007 137  
E004

## Documents

### Product Drawings

#### 2X10P MOD II SHROUDED HEADER, ST

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-826469-0\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-826469-0\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-826469-0\\_E.3d\\_stp.zip](#)

English

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

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### Agency Approvals

#### UL Report

English