

102692-3 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 102692-3

PCB Mount Header, Vertical, Board-to-Board, 36 Position, 2.54 mm  
[.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder,  
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **36**

Number of Rows: **2**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                              |          |
|------------------------------|----------|
| Stackable                    | No       |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 36       |
| Number of Rows               | 2        |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

|                                       |            |
|---------------------------------------|------------|
| Termination Resistance                | 12 mΩ      |
| Dielectric Withstanding Voltage (Max) | 750 VACrms |
| Operating Voltage                     | 250 VAC    |

### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

### Contact Features

|                            |                |
|----------------------------|----------------|
| Contact Mating Area Length | 5.08 mm[.2 in] |
|----------------------------|----------------|



|                              |                 |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|------------------------------|-----------------|

|               |
|---------------|
| 100 – 200 μin |
|---------------|

|                      |        |
|----------------------|--------|
| Contact Shape & Form | Square |
|----------------------|--------|

|   |          |
|---|----------|
| PCB Contact Termination Area Plating Material | Tin-Lead |
|---|----------|

|                       |                 |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

|  |                 |
|--|-----------------|
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
|--|-----------------|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 2 A |
|------------------------------|-----|

### Termination Features

|  |                 |
|--|-----------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
|--|-----------------|

|                                |                 |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 4.57 mm[.18 in] |
|--------------------------------|-----------------|

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

### Mechanical Attachment

|                  |         |
|------------------|---------|
| Mating Retention | Without |
|------------------|---------|

|                          |                      |
|--------------------------|----------------------|
| PCB Mount Retention Type | Board Retention Tail |
|--------------------------|----------------------|

|                  |      |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

|                       |            |
|-----------------------|------------|
| Mating Alignment Type | Guide Pins |
|-----------------------|------------|

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

|                     |         |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

### Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

### Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 13.97 mm[.55 in] |
|------------------|------------------|

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

|              |                  |
|--------------|------------------|
| Stack Height | 11.43 mm[.45 in] |
|--------------|------------------|

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |
|-----------------------------|-----------------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

### Operation/Application



|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
|------------------------|----------------|

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

|                    |                       |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 36 |
|--------------------|----|

|                |      |
|----------------|------|
| Packaging Type | Tube |
|----------------|------|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                              |               |
|------------------------------|---------------|
| EU RoHS Directive 2011/65/EU | Not Compliant |
|------------------------------|---------------|

|                             |                           |
|-----------------------------|---------------------------|
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
|-----------------------------|---------------------------|

|   |                                      |
|---|--------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
|---|--------------------------------------|

|  |  |
|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2023 (235)<br/> Candidate List Declared Against: JAN 2023 (233)<br/> SVHC &gt; Threshold:<br/> Pb (13% in Component Part)</p> |
|--|--|

**Article Safe Usage Statements:**  
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

|                 |  |
|-----------------|--|
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
|-----------------|--|

|                           |                              |
|---------------------------|------------------------------|
| Solder Process Capability | Wave solder capable to 240°C |
|---------------------------|------------------------------|

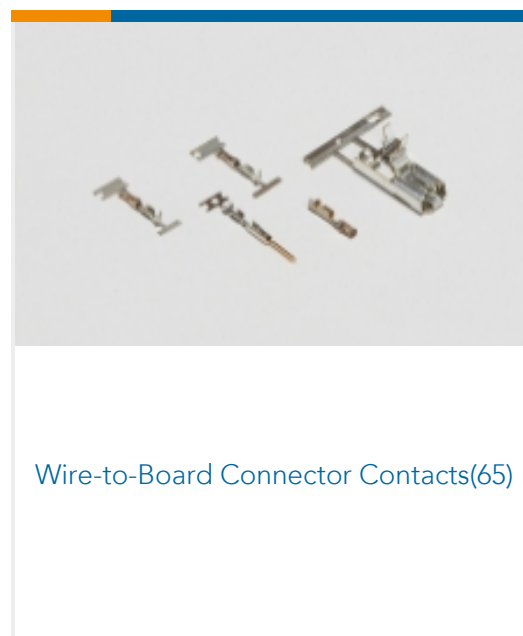
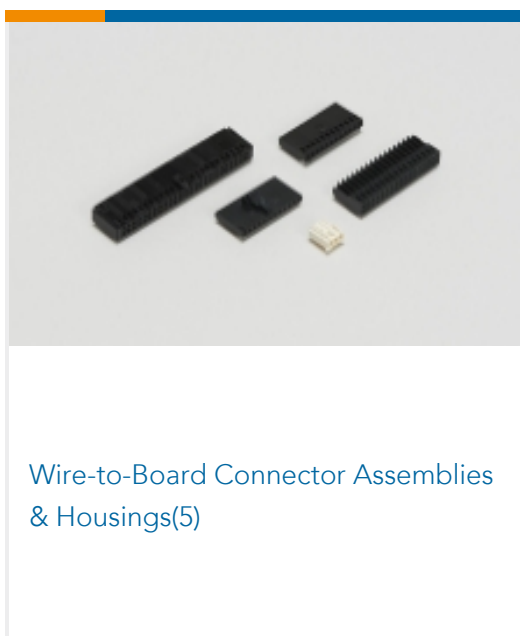
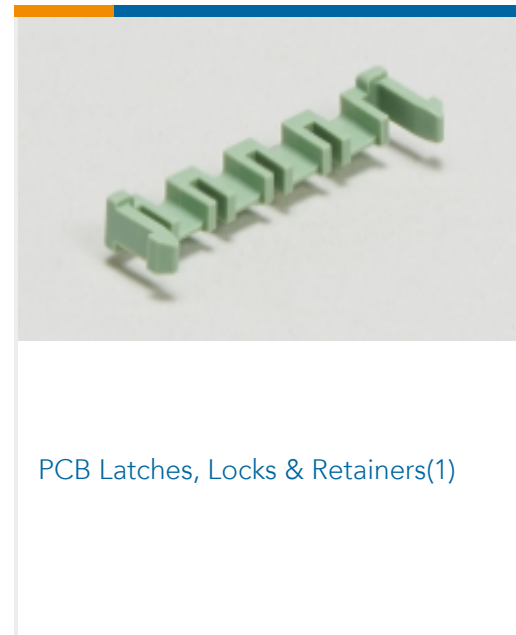
#### Product Compliance Disclaimer

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>

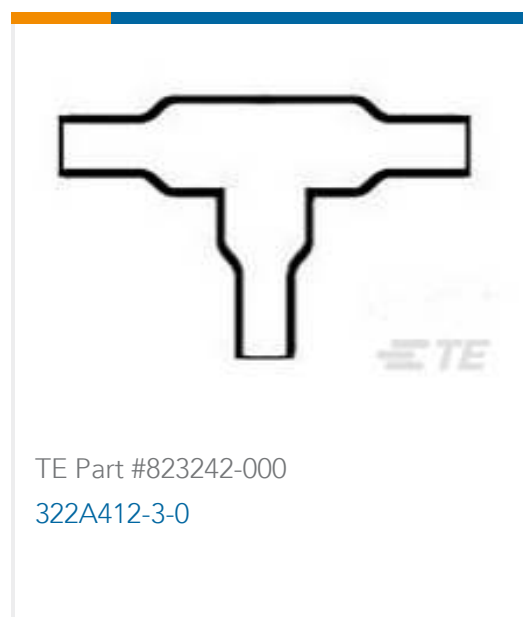
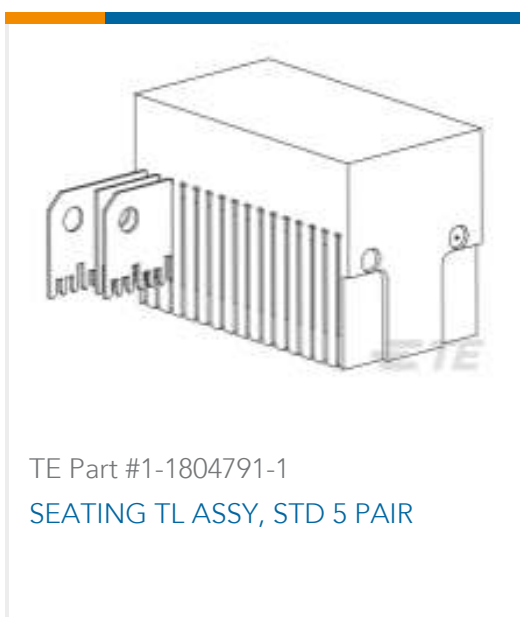
## Compatible Parts



## Also in the Series | AMPMODU Headers



## Customers Also Bought





## Documents

### Product Drawings

#### 36 MODII 2PC HDR DR SHRD

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_102692-3\\_L2.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_102692-3\\_L2.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_102692-3\\_L2.3d\\_stp.zip](#)

English

### 3D PDF

English

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

### Product Specifications

#### Application Specification

English

#### AMPMODU Mod II 2-Piece Double Row Header Assemblies

English