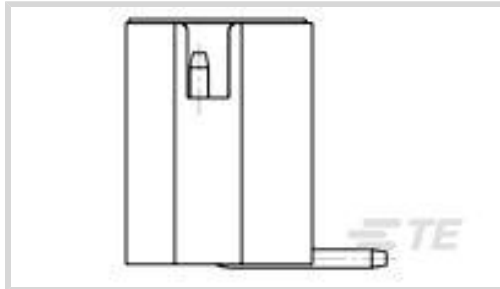# 1775470-2 ✓ ACTIVE

## HPI

TE Internal #: 1775470-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .079 in [2 mm] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI

View on TE.com >

**TE** connectivity

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0MM HEADERS

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

Number of Positions:  **2**

Number of Rows:  **1**

Centerline (Pitch):  **2 mm [ .079 in ]**

PCB Mount Orientation:  **Vertical**

All AMP HPI 2.0MM HEADERS (212)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 2 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

### Body Features

| | |
|---|---|
| Primary Product Color | Natural |

### Contact Features

| | |
|---|---|
| Contact Layout | Inline |
| Contact Mating Area Length | 3.5 mm[.138 in] |

1775470-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .079 in [2 mm] Centerline,
Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI

| | |
|---|---|
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 μm[80 μin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Square |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Nickel |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Post & Tail Length | 2 mm[.079 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Polarization |
| Mating Retention | Without |
| PCB Mount Retention Type | Solder Peg |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Housing Material | PA 9T GF |
| Centerline (Pitch) | 2 mm[.079 in] |

## Dimensions

| | |
|---|---|
| Connector Length | 7.4 mm[.291 in] |
| Connector Height | 6.15 mm[.242 in] |
| Connector Width | 5.4 mm[.213 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -25 – 85 °C[-13 – 185 °F] |

# 1775470-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .079 in [2 mm] Centerline,
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## Operation/Application

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

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 500 |
| Packaging Type | Reel |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

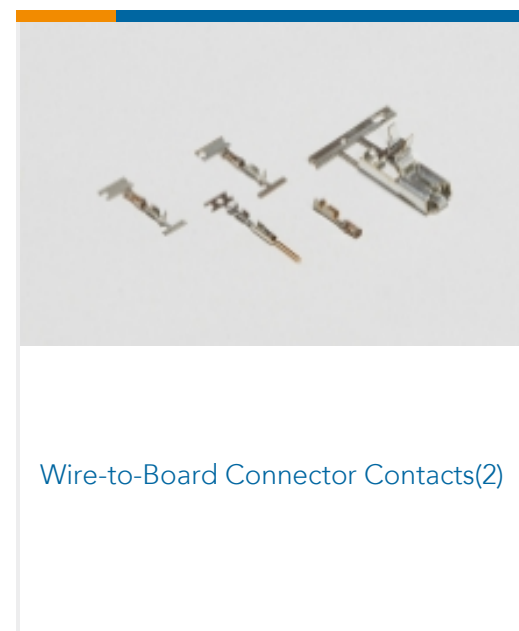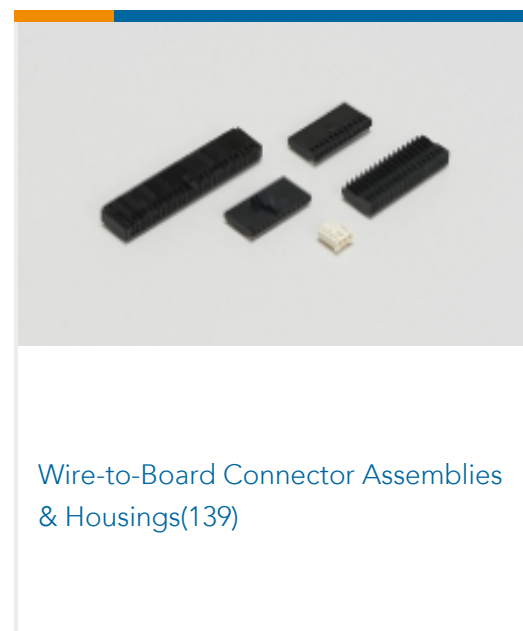| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder 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
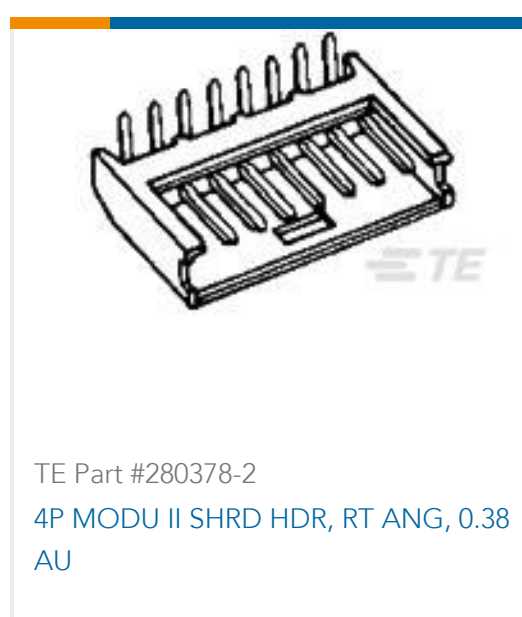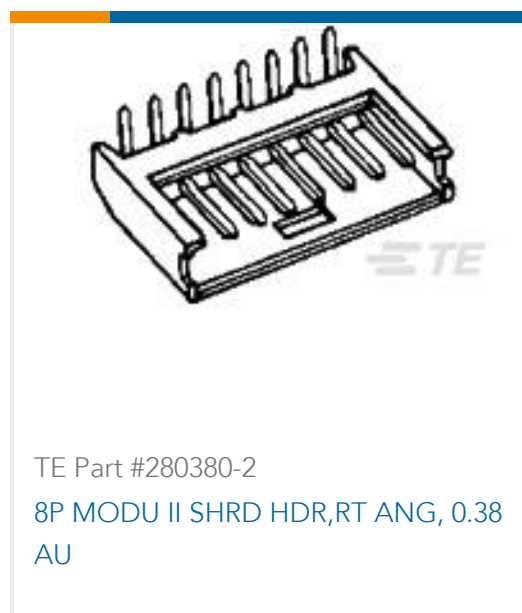
# Compatible Parts

1775470-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .079 in [2 mm] Centerline,
Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI

TE Part #  CAT-H857-H817220

AMP HPI 2.0MM RECEPTACLE
HOUSINGS

## Also in the Series | HPI

PCB Headers & Receptacles(362)

Wire-to-Board Connector Assemblies & Housings(139)

Wire-to-Board Connector Contacts(2)

## Customers Also Bought

TE Part #280380-2

8P MODU II SHRD HDR,RT ANG, 0.38
AU

TE Part #5-103904-4

5 MTE HDR SRRA LATCH W/HLDWN

TE Part #280390-2

2X8P MODU II SHRD HDR,RT ANG,
0.38AU

TE Part #3-794630-2

02P MICRO MNL ASSY,VRT,HDR,LF

TE Part #280378-2

4P MODU II SHRD HDR, RT ANG, 0.38
AU

TE Part #280388-2

2X22P MODU II SHRD HDR,ST, 0.38AU

TE Part #1969805-1

04P UMNL HDR ASSY R/A, PIN V0 GW

TE Part #221790-1

JACK,RIGHT ANGLE,PCB,SMA

## Documents

### Product Drawings

HPI CONN., 2.0MM, V/T, SMT, 2P, 80U "

English

### CAD Files

3D PDF

3D

1775470-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, .079 in [2 mm] Centerline,
Fully Shrouded, Tin, Surface Mount, Signal, Natural, HPI

Customer View Model

ENG_CVM_CVM_1775470-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1775470-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1775470-2_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

HPI Connectors QRG

English

## Product Specifications

Application Specification

English

## Product Environmental Compliance

MD_1775470-2_05032014539_dmtec

English

MD_1775470-2_05032014539_dmtec

English

## Agency Approvals

UL Report

English