# 2MM-R-D07-VS-00-H-TBP ✔ ACTIVE

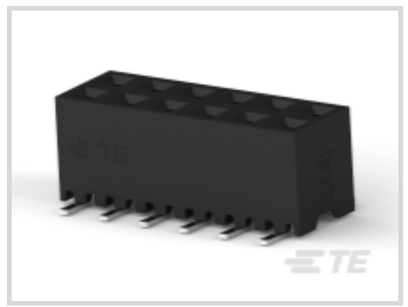
AMPMODU | AMPMODU 2 mm

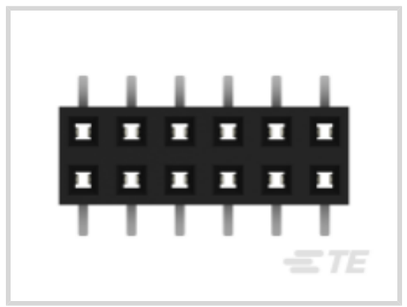
TE Internal #: 1-2314846-4

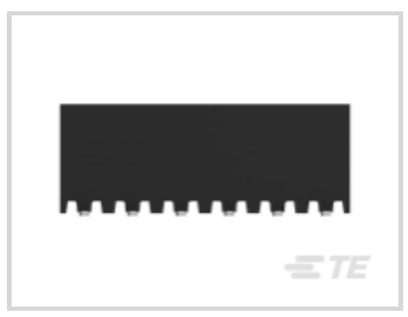
PCB Mount Receptacle, Vertical, Board-to-Board, 14 Position, 2 mm [.079 in] Centerline, Gold (Au), Surface Mount, Signal, Black, Tube, AMPMODU 2 mm

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **14**

Number of Rows: **2**

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

## Features

### Product Type Features

| | |
|---|---|
| PCB Connector Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Number of Loaded Positions | 14 |
| Number of Positions | 14 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 125 VAC |
| Dielectric Withstanding Voltage (Max) | 650 VAC |

### Body Features

| | |
|---|---|
| Connector Profile | Standard |

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

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 µm[118.11 – 196.85 µin] |
| Contact Layout | Inline |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .76 µm[29.92 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Socket |
| Contact Current Rating (Max) | 2 A |

## Termination Features

| | |
|---|---|
| Rectangular Termination Post & Tail Width | .4 mm[.016 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Termination Method to PCB | Surface Mount |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2 mm[.079 in] |
| Housing Material | Liquid Crystal Polymer (LCP) |

## Dimensions

| | |
|---|---|
| Connector Width | 4 mm[.157 in] |
| Connector Height | 4.5 mm[.18 in] |
| Connector Length | 14 mm[.551 in] |
| Row-to-Row Spacing | 2 mm[.079 in] |

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | High |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application | Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Method | Tube |

# Product Compliance

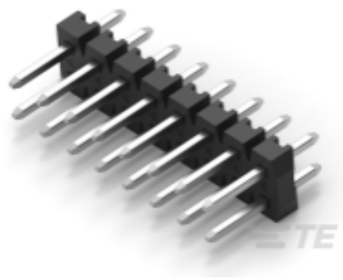
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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



TE Part # 2842128-7
14P,2MM,BRK HDR,DRVT,2.8,0.76AU, TB

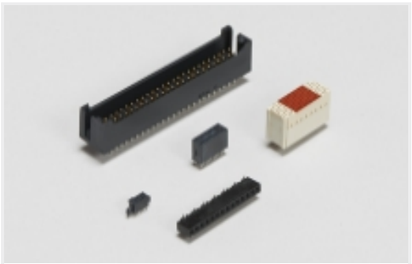


TE Part # 2842152-7
14P,2MM,BRK HDR,DRRT,2.8,0.76AU, TB



TE Part # 2842144-7
14P,2MM,BRK HDR,DRVT,SMD,0.76 AU,TR W/CAP

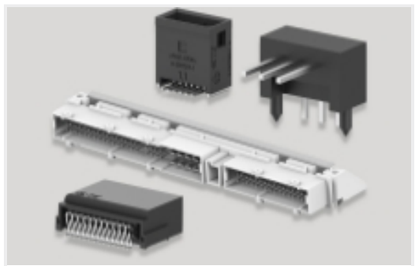
## Also in the Series | AMPMODU 2 mm



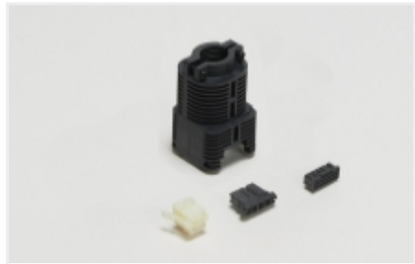
Board-to-Board Headers & Receptacles(445)



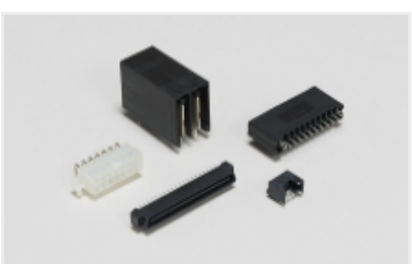
Connector Contacts(17)



PCB Headers & Receptacles(454)



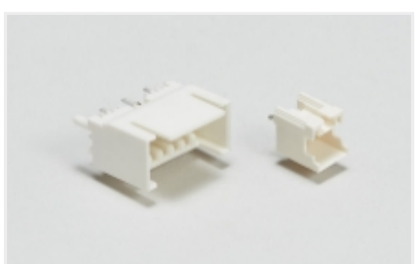
Rectangular Connector Housings(103)



Standard Rectangular Connectors(202)



Wire-to-Board Connector Assemblies & Housings(202)



Wire-to-Board Headers & Receptacles (53)

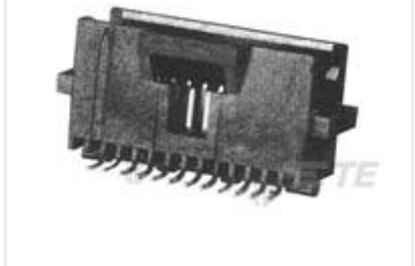
## Customers Also Bought



TE Part #214345-E
SMCB 12 F AB VV 6-01 VH * 0008 137 E002



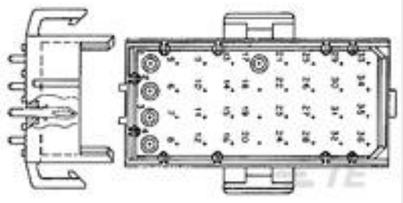
TE Part #6472296001
CGPT-R-9.5-0



TE Part #5-147377-2
20 SYS50 SMT HDR DR SHD SN



TE Part #2-406549-1
IMJ,1X1,PNL GRD,LED(G/Y), SN



TE Part #640497-1
02P MR HDR ASSY



TE Part #8-1625868-6
RP 2A 0.25W 41R2 0.1% 25PPM 1K RL

## Documents

### Product Drawings

14P,2MM,BB,REC,DRVT,SMD,AU.76,TB,W/CP

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2314846-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2314846-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2314846-4_A.3d_stp.zip

English

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

### Datasheets & Catalog Pages

AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES

English

AMPMODU 2mm interconnection system QRG

English

### Product Specifications

Application Specification

English