

2MM-R-S05-HT-01-T-TB

✓ ACTIVE

AMPMODU | AMPMODU 2 mm

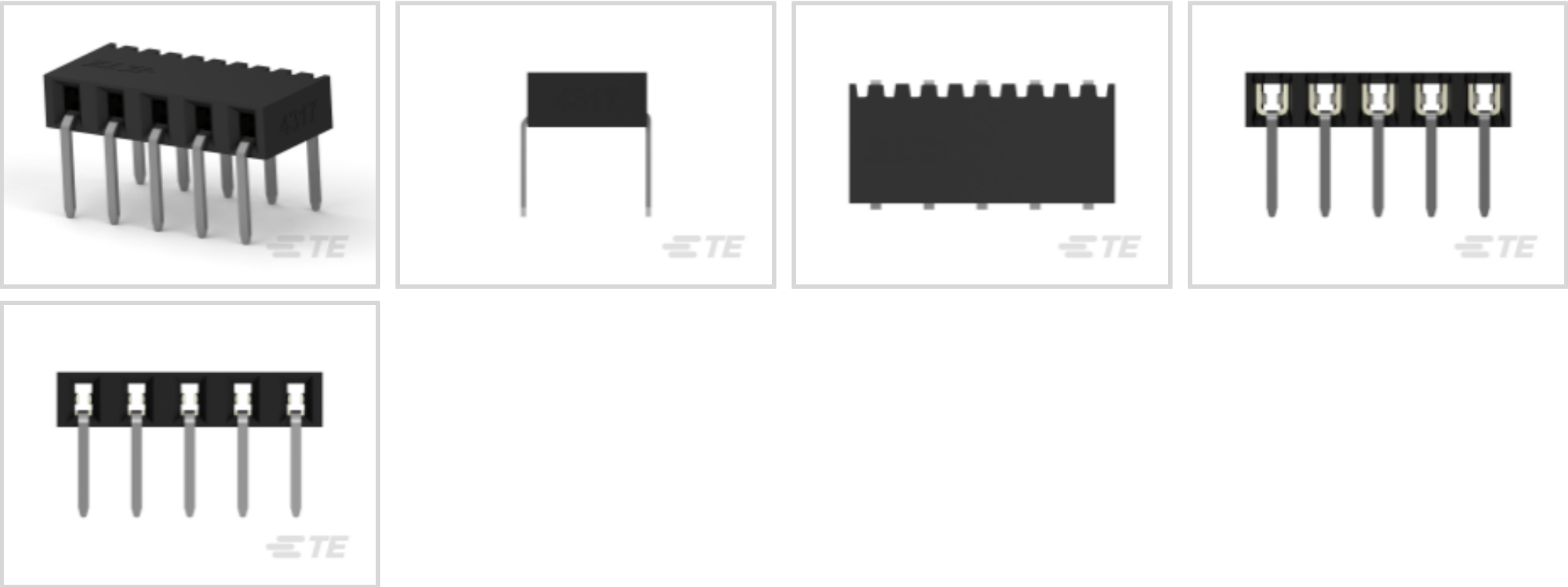
TE Internal #: 2314927-5

PCB Mount Receptacle, Horizontal, Board-to-Board, 5 Position, 2 mm [.079 in] Centerline, Tin, Through Hole - Solder, Signal, Black, Tube, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **5**

Number of Rows: **1**

Features

Electrical Characteristics

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

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Connector Width             | 4.7 mm[.185 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height            | 2.1 mm[.823 in] |
| Connector Length            | 10 mm[.394 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Black    |



Operation/Application

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

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Width     | .4 mm[.016 in]        |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in]        |
| Termination Post & Tail Length                | 2.1 mm[.083 in]       |
| Termination Method to PCB                     | Through Hole - Solder |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]               |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Mating Area Plating Material Thickness          | 3 – 5 µm[118.11 – 196.85 µin] |
| Mating Square Post Dimension                            | .5 mm[.019 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                    | Tin                           |
| Contact Type                                            | Socket                        |
| Contact Current Rating (Max)                            | 2 A                           |

Housing Features

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

Configuration Features

|                            |            |
|----------------------------|------------|
| Number of Loaded Positions | 5          |
| PCB Mount Orientation      | Horizontal |
| Number of Positions        | 5          |
| Number of Rows             | 1          |

Product Type Features

|                             |                      |
|-----------------------------|----------------------|
| PCB Connector Assembly Type | PCB Mount Receptacle |
|-----------------------------|----------------------|



|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Board-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |

Mechanical Attachment

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

Industry Standards

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

Packaging Features

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

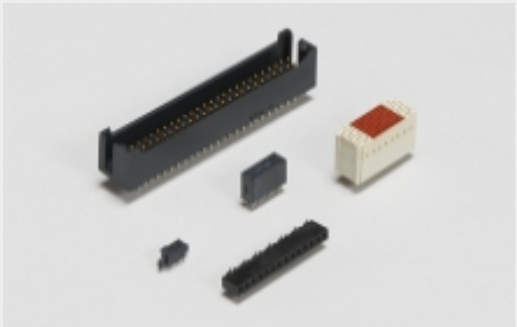
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

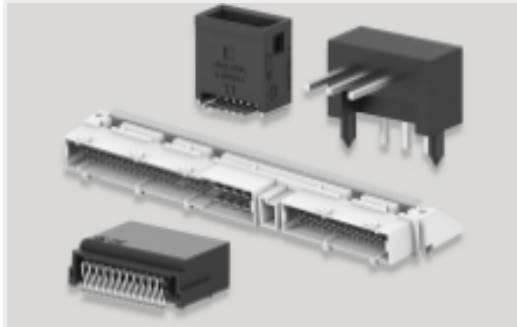
Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(8161)



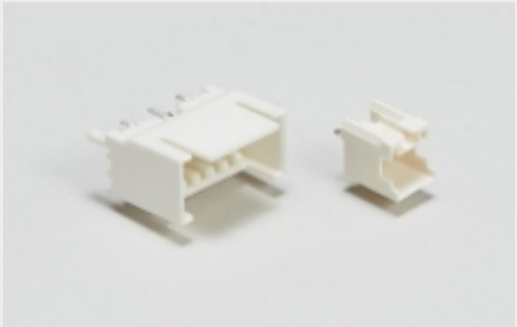
Connector Contacts(27)



PCB Headers & Receptacles(8190)



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



Wire-to-Board Headers & Receptacles (1037)

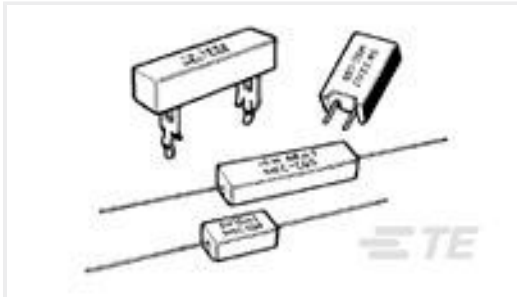
Customers Also Bought



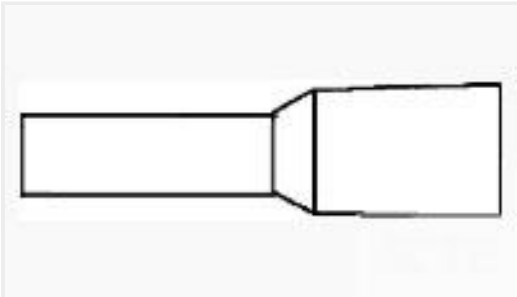
TE Part #1658657-1  
KIT,HDP-20,ENCLSUR,PLUG,SIZE 2



TE Part #1658656-1  
KIT,HDP-20,ENCLSUR,RCPT,SIZE 2



TE Part #2-1879009-2  
SQB30 68R 5% 6.35MM FASTON



TE Part #966144-2  
FER,WIRE,DBL,PL SLV, .75/18,L8,GREY, LP



TE Part #87499-6  
03 MODIV HSG COMP SR .100CL



TE Part #1622400-1  
LR1 1% 24R



TE Part #1-2176163-0  
UPF50 0.1% 5PPM 250R



TE Part #2-320553-2  
PIDG R 22-16 COMM 22-18 MIL 4



Documents

Product Drawings

5P,2MM,B-B,REC,SRHZ,2.1,SN,TB

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2314927-5\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2314927-5\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2314927-5\_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 interconnection system QRG

English

Product Specifications

Application Specification

English