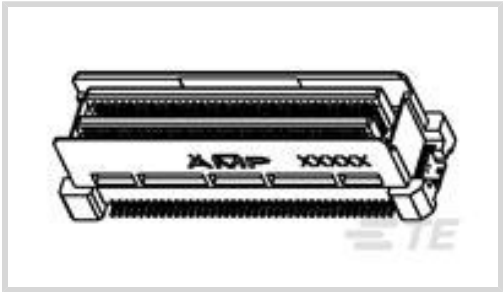




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **80**

Centerline (Pitch): **.6 mm [ .023 in ]**

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

|                              |          |
|------------------------------|----------|
| Number of Rows               | 2        |
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 80       |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 10 VAC |
|-------------------|--------|

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Thickness | .3 μm[31.5 μin] |
| PCB Contact Termination Area Plating Material           | Gold Flash      |
| Contact Base Material                                   | Copper Alloy    |
| Contact Mating Area Plating Material                    | Gold            |



|                                                |       |
|------------------------------------------------|-------|
| Contact Mating Area Plating Material Thickness | .3 μm |
| Contact Type                                   | Pin   |
| Contact Current Rating (Max)                   | .5 A  |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in] |
| Rectangular Termination Post & Tail Width     | 1 mm[.04 in]   |
| Termination Method to Printed Circuit Board   | Surface Mount  |

Mechanical Attachment

|                          |                 |
|--------------------------|-----------------|
| PCB Mount Alignment Type | Solder Peg      |
| PCB Mount Retention Type | Solder Peg      |
| Mating Alignment         | With            |
| Mating Alignment Type    | Chamfered Edges |
| PCB Mount Retention      | With            |
| PCB Mount Alignment      | With            |
| Connector Mounting Type  | Board Mount     |

Housing Features

|                       |                              |
|-----------------------|------------------------------|
| Mating Entry Location | Top                          |
| Centerline (Pitch)    | .6 mm[.023 in]               |
| Housing Color         | Black                        |
| Housing Material      | LCP (Liquid Crystal Polymer) |

Dimensions

|                             |                |
|-----------------------------|----------------|
| Connector Height            | 9 mm[.354 in]  |
| Row-to-Row Spacing          | 2.8 mm[.11 in] |
| Stack Height                | 19 mm          |
| PCB Thickness (Recommended) | 1.6 mm         |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

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

Industry Standards

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

Packaging Features



|                    |      |
|--------------------|------|
| Packaging Quantity | 45   |
| Packaging Method   | Tray |

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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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



TE Part # 6376608-1  
MICRO STACK REC ASSY 80P

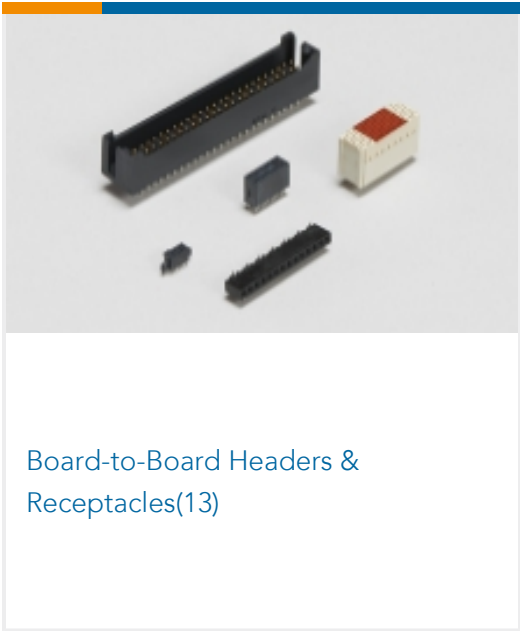


TE Part # 6376608-2  
MICRO STACK REC ASSY 80P WITH TAPE

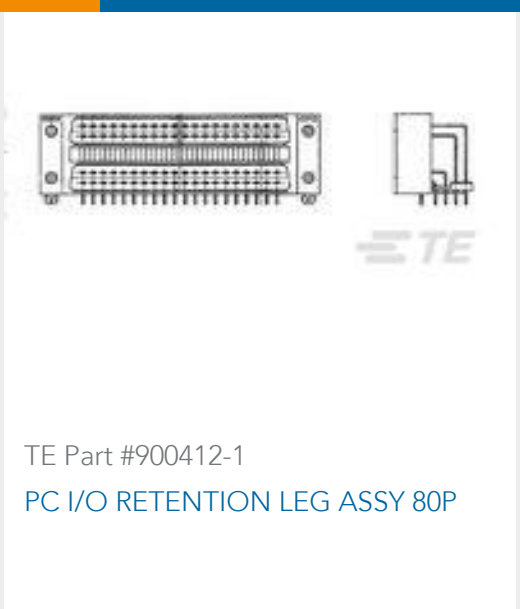


TE Part # 6473201-1  
MICRO STACK REC ASSY 68P

Also in the Series | [Micro Stack](#)



Customers Also Bought



Documents

Product Drawings  
MICRO STACK HDR ASSY 80P H=9  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_6376610-1\_G.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_6376610-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6376610-1\\_G.3d\\_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

Japanese

Product Environmental Compliance

[TE Material Declaration](#)

English