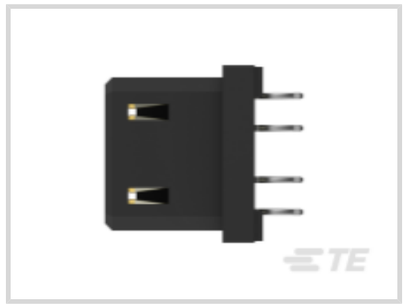
# 2169859-1 ✔ ACTIVE

TE Internal #: 2169859-1

4 Position Backplane Power Connector, PCB Mount Receptacle, Board-to-Board, Vertical, Orthogonal, 5.2 mm [.205 in] Centerline, Printed Circuit Board

View on TE.com >

Connectors > Power Connectors > Backplane Power Connectors


Number of Positions: **4**

PCB Connector Type: **PCB Mount Receptacle**

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

PCB Mount Orientation: **Vertical**

Backplane Architecture: **Orthogonal**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Columns | 2 |
| Number of Positions | 4 |
| PCB Mount Orientation | Vertical |
| Backplane Architecture | Orthogonal |
| Stackable | No |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 48 VDC |

### Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | 25 A |

### Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 2.5 mm[.098 in] |
| Termination Method to PCB | Through Hole - Press-Fit |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | LCP (Liquid Crystal Polymer) |
| Housing Color | Black |
| Centerline (Pitch) | 5.2 mm[.205 in] |

## Dimensions

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|---|---|
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |
| PCB Hole Diameter | .73 mm[.029 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Method | Package |

# Product Compliance

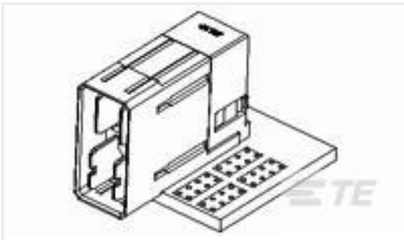
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (247)<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 | Not reviewed for solder process capability |

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 # 2169869-1
IMP,PWR,5PR,R/A,Hdr,6.9,6.9,Tin

TE Part # 2-2169869-2
AIMP,POWER,5PR,R/AH,5.7,5.7,TIN

## Customers Also Bought

TE Part #1744144-1
EP-II CONTACT LANCELESS, 22-18

TE Part #1-2132782-2
12 pos. EP II breakaway retain

TE Part #521632-2
ULTRA-POD 250 ASSY REC 18-14 AWG TPBR

TE Part #63130-2
SPLICE REC. 1500-5000 .020 BR

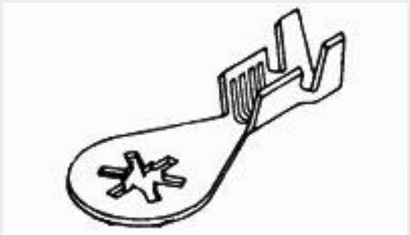
TE Part #2132781-4
04P EP-II HOUSING, NATURAL

TE Part #2343522-7
SFP56 STACKED 2X2 RECEPTACLE ASSEMBLY

TE Part #917701-1
2.5 SIGNAL DBL LOCK DLP 5P

TE Part #917683-1
2.5 SIGNAL DBL LOCK REC CONT L

TE Part #917689-1
2.5 SIGNAL D/LOCK PLUG HSG 5P



TE Part #61795-3
RING 18-14 AWG TPBR

## Documents

### Product Drawings

IMP,Power,5PR,VR,Tin

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2169859-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2169859-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2169859-1_A.3d_stp.zip

English



### Agency Approvals

UL

English