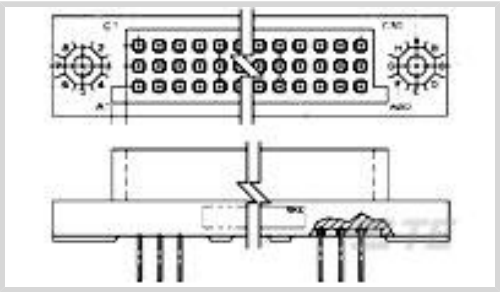


TE Internal #: 531134-6
PCB Mount Receptacle, Vertical, Board-to-Board, 180 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Through Hole - Solder, Signal, Brown, Package

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **180**
Number of Rows: **3**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|----------|
| Stackable | No |
| PCB Mount Orientation | Vertical |
| Number of Positions | 180 |
| Number of Rows | 3 |

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Brown |
|-----------------------|-------|

Contact Features

| | |
|--|------------------|
| Contact Mating Area Plating Material Thickness | 1.27 μm[50 μin] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| | 50 μin |
| Contact Layout | Matrix |
| Contact Base Material | Beryllium Copper |
| PCB Contact Termination Area Plating Material | Tin-Lead |



| | |
|--------------------------------------|-----------|
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Socket |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Width | .43 mm[.017 in] |
| Rectangular Termination Post & Tail Thickness | .36 mm[.014 in] |
| Termination Post & Tail Length | 4.95 mm[.195 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|---------------|
| Mating Alignment Type | Polarized |
| PCB Mount Retention Type | Mounting Hole |
| PCB Mount Retention | Without |
| Connector Mounting Type | Panel Mount |
| Mating Alignment | With |

Housing Features

| | |
|--------------------|-----------------------------|
| Housing Material | Polyphenylene Sulfide (PPS) |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

| | |
|-----------------------------|------------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| Stack Height | 15.24 mm[.6 in] |
| PCB Thickness (Recommended) | 2.44 mm[.096 in] |
| Connector Height | 11.43 mm[.45 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application | Signal |

Industry Standards

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

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 1 |
| Packaging Method | Package |



Product Compliance

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

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Pin-in-Paste 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Customers Also Bought





TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

3ROW BOX REC 180P 100CL UNSEAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_531134-6_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_531134-6_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_531134-6_H.3d_stp.zip

English

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

Product Specifications

Application Specification

English