# 5145165-8 ✔ ACTIVE

TE Internal #: 5145165-8

Board-to-Board, 184 Position, 1.27 mm [.05 in] Centerline, Vertical, Natural, 13.97 mm [.55 in] Height, PCI & PCI Express Connectors

View on TE.com >

Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors







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

Number of Positions: **184**

Centerline (Pitch): **1.27 mm [ .05 in ]**

Termination Post & Tail Length: **3.18 mm [ .125 in ]**

Contact Mating Area Plating Material Thickness: **.76 µm [ 30 µin ]**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of PCB Mount Retention Features | 3 |
| Number of Positions | 184 |
| PCB Mount Orientation | Vertical |
| Ejector | Without |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 203 VAC |

### Body Features

| | |
|---|---|
| Product Weight | 12.58 g |
| Primary Product Color | Natural |

### Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | 1.1 A |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm |

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |

### Mechanical Attachment

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

### Housing Features

| | |
|---|---|
| Housing Material | High Temperature Thermoplastic |
| Centerline (Pitch) | 1.27 mm[.05 in] |

### Dimensions

| | |
|---|---|
| PCB Thickness (Accepted) | 1.57 mm[.062 in] |
| Connector Length | 128 mm[5.039 in] |
| Connector Height | 13.97 mm[.55 in] |
| Connector Width | 8.88 mm[.35 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

| | |
|---|---|
| Bus Type | PCI |

### Packaging Features

| | |
|---|---|
| Packaging Method | Box |
| Packaging Quantity | 35 |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°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 # 5-2337939-4
PCIE GEN4 CON,SMT,164POS,30u",MYLAR,HT

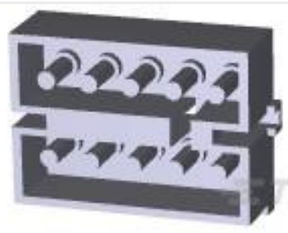


TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F



TE Part # 1761842-1
CONNECTOR ASSY, 60 DUAL POSITI

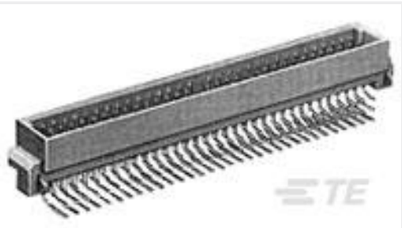
## Customers Also Bought



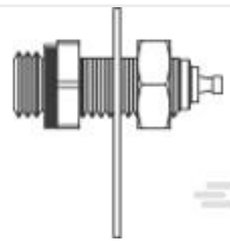
TE Part #1-380991-0
10P CMNL HDR ASSY NATL



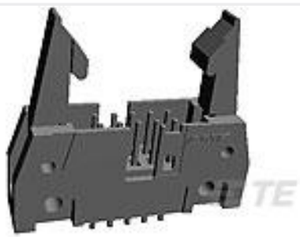
TE Part #535071-4
048 EURO TYPE C RECEPT ST ASSY



TE Part #650948-5
048 EURO TYPE C PIN ST ASSY



TE Part #1466288-1
031-0050-0001



TE Part #5102321-9
A/L UNIV HDR 40P VERT LAT



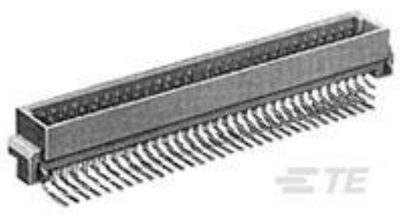
TE Part #5415025-2
JACK, RTANG, PCB, 50 OHM, BNC



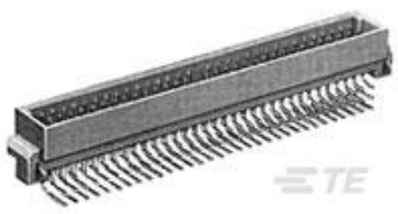
TE Part #5535071-4
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #5569564-1
MJ ASSY,R/A,8 POS,LED GRN&YELW



TE Part #5650947-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-



TE Part #5650948-5
ASSY,PIN,EUROCARD,TYPE C/2,LEA

## Documents

### Product Drawings

CONNECTOR ASSEMBLY, 92 DUAL POSITION, .0

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5145165-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5145165-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5145165-8_D.3d_stp.zip

English

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

### Product Specifications

Product Specification

English

### Agency Approvals

UL Report

English

UL Report

English

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