

5650712-1 ✓ ACTIVE

AMP .050 Series

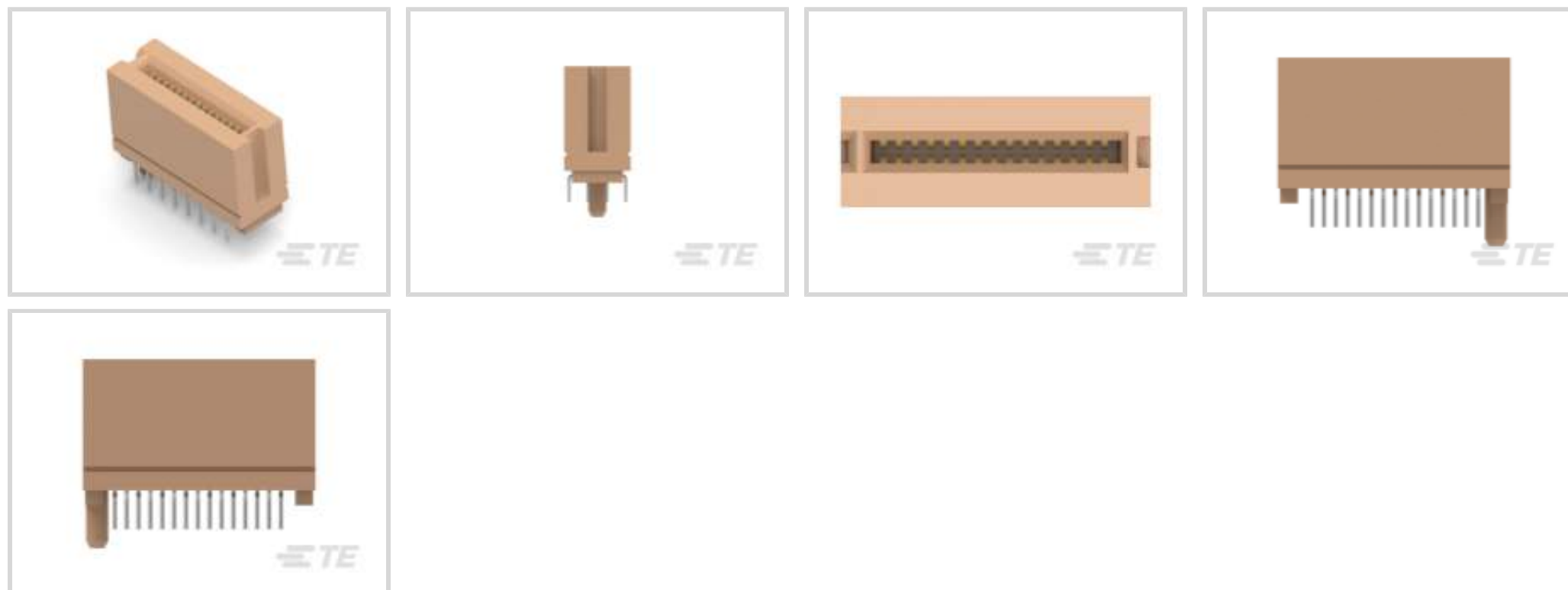
TE Internal #: 5650712-1

Standard Edge Connectors, Board-to-Board, 30 Position, .05 in [1.27 mm] Centerline, 15 Dual Positions, 2 Row, Brown, AMP .050 Series

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Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



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

Number of Positions: **30**

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

Number of Dual Positions: **15**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------------|--------------|
| Number of Positions | 30 |
| Number of Dual Positions | 15 |
| Number of Rows | 2 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

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

Body Features

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



Contact Features

| | |
|---|--|
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm [100 μin] |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | .76 μm |
| Contact Mating Area Plating Material | Gold |
| PCB Contact Termination Area Plating Material Finish | Bright |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 2.54 mm[.1 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

| | |
|------------------------|-------------------------------|
| Accepts Card Thickness | 1.37 – 1.78 mm[.054 – .07 in] |
| Card Slot Depth | 7.62 mm[.3 in] |
| Connector Height | 13.97 mm[.55 in] |

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature Range | -55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$] |
|-----------------------------|---|

Operation/Application

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

Packaging Features



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

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # 5145154-1
CONNECTOR, 60 DUAL POSITION, .

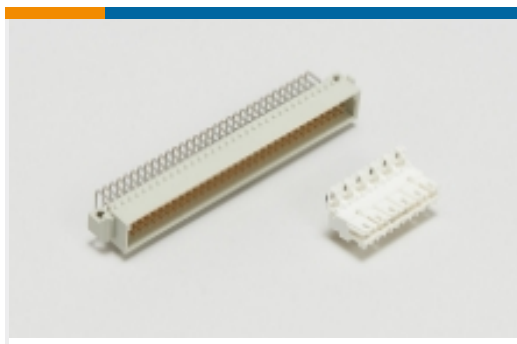


TE Part # 5-2337939-4
PCIE GEN4 CON,SMT,164POS,30u", MYLAR,HT



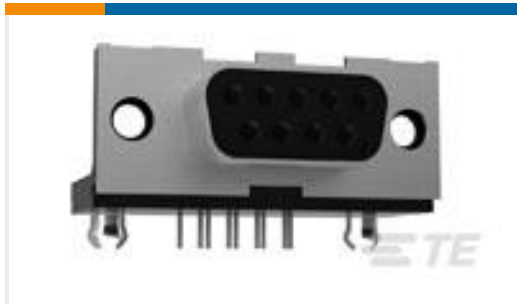
TE Part # 1734774-1
PCI EXP 3.1L 36 POS WHT G/F

Also in the Series | [AMP .050 Series](#)



Standard Edge Connectors(16)

Customers Also Bought

TE Part #3-106505-2
9P.HDP20 REC.ASSY.TE Part #3-1461491-0
PCN-105D3MHZ,000TE Part #7-188275-4
MICRO-MATCH SMD FTETE Part #1217096-2
PL 187 RECEPTACLE 18-14 AWG TPBRTE Part #6-2176412-5
5W XSM M/OX 5% 2K4TE Part #3-2176315-2
MELF SMA_A 39K 0.1% 15PPM 0204
0.4WTE Part #1207406001
DSPL-NR1-0-50MMTE Part #2-1393225-6
RY612012TE Part #7-1415542-8
PE515005

Documents

Product Drawings

[STANDARD EDGE .050 SERIES 15 DUAL ASSY](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_5650712-1_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5650712-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5650712-1_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English