

# CONNECTOR ASSEMBLY, DUAL POSITIONS, .050

✓ ACTIVE



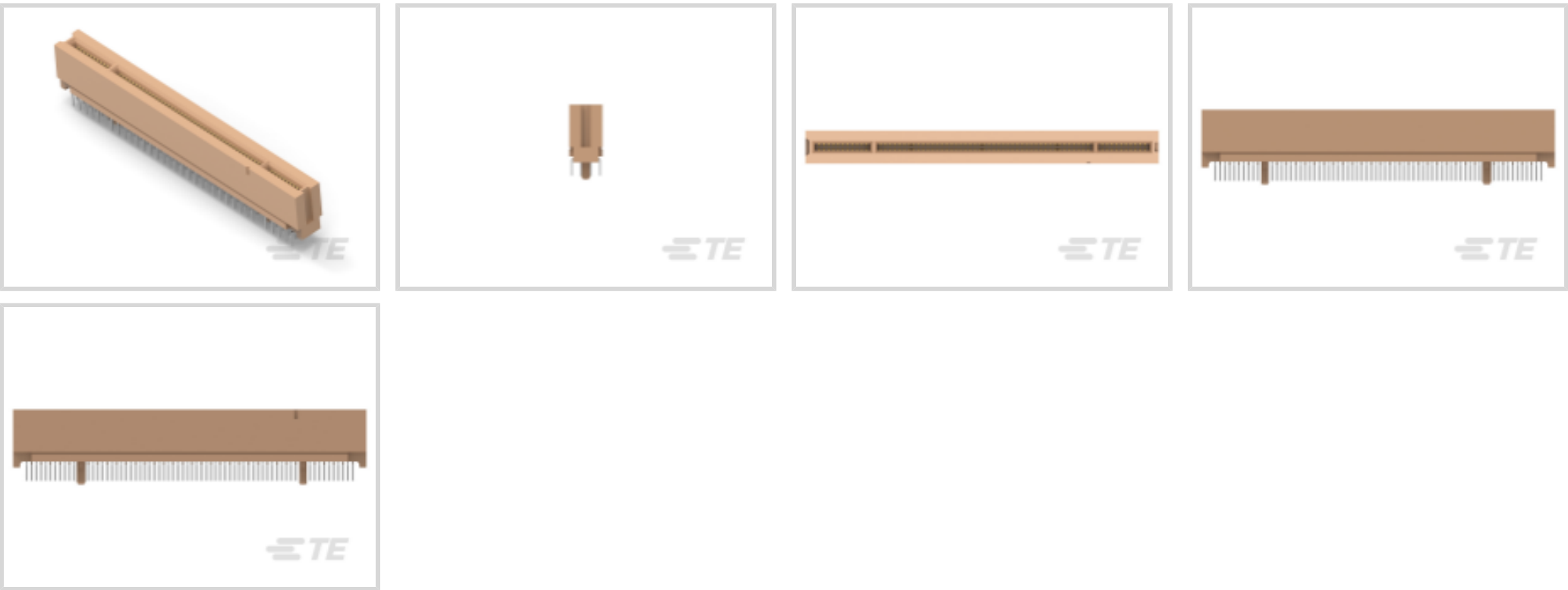
AMP .050 Series

TE Part # 5650091-2

TE Internal #: 5650091-2

[View on TE.com >](#)

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



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

Number of Positions: **132**

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

Number of Dual Positions: **66**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Pylons                 | 2            |
| Number of Positions              | 132          |
| Number of Dual Positions         | 66           |
| Number of Rows                   | 2            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Board-to-Board Configuration     | Parallel     |

### Electrical Characteristics

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

### Contact Features



|                                                         |                  |
|---------------------------------------------------------|------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| PCB Contact Termination Area Plating Material Finish    | Bright           |
| Contact Type                                            | Socket           |
| Contact Mating Area Plating Material Thickness          | .76 µm           |
| Contact Mating Area Plating Material                    | Gold             |
| 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              | 3.56 mm[.14 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| Mating Alignment         | With        |
| Mating Retention         | 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 Color      | Brown                          |
| Housing Material   | High Temperature Thermoplastic |

Dimensions

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

Usage Conditions

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

Operation/Application

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

Packaging Features

|  |  |
|--|--|
|  |  |
|--|--|



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

Product Compliance

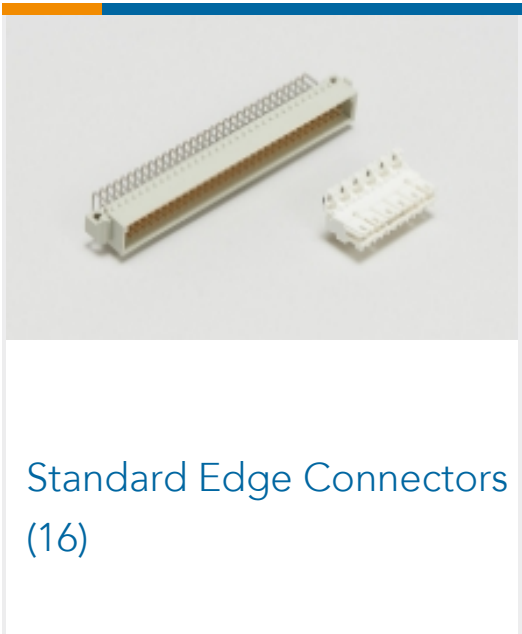
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------|
| 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: JAN 2019 (197)<br>Candidate List Declared Against: JAN 2019 (197) |
| 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 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.

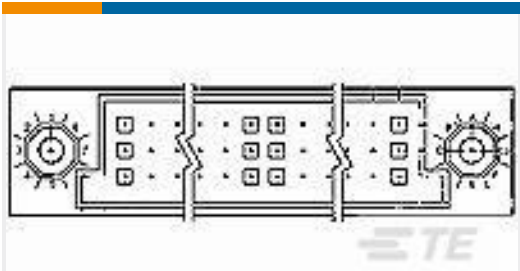
Also in the Series | AMP .050 Series



Customers Also Bought

CONNECTOR ASSEMBLY, DUAL POSITIONS, .050

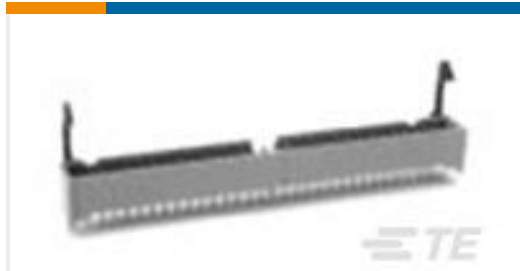
TE Part # 5650091-2  
TE Internal #: 5650091-2



TE Part #5532447-5  
ASSY,PIN,VERTICAL,HDI,  
LEAD-FRE



TE Part #6368419-1  
INV MJ,1X2,PNL GRD,LED  
(G/Y)



TE Part #3-1761711-5  
IDC LOW PRO HDR 50P  
VERT LG LA



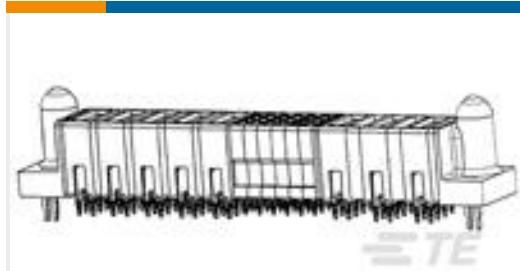
TE Part #3-603225-9  
AMP-TY 9",120#NAT



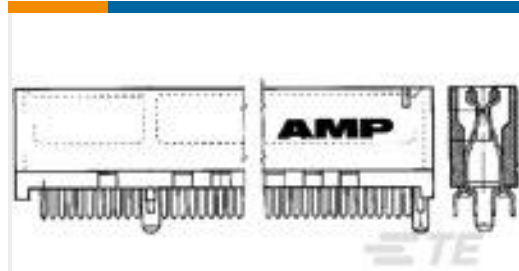
TE Part #1546842-5  
JC6-Q208-05=JC6 SERIES  
TERMINA



TE Part #1775134-1  
MOD JACK, RJ45,  
SINGLE, 6u" Au



TE Part #1892430-4  
MBXL VERT RCPT  
6P+24S+6P



TE Part #5650181-1  
STANDARD EDGE .050  
SERIES 56 DUAL ASSY



TE Part #9-1437571-4  
TPBF11CGRA0=PUSHBUTTON  
FLUSH P

Documents

Product Drawings

CONNECTOR ASSEMBLY, DUAL POSITIONS, .050

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5650091-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5650091-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5650091-2\_B.3d\_stp.zip

English

Product Specifications

Application Specification



English