

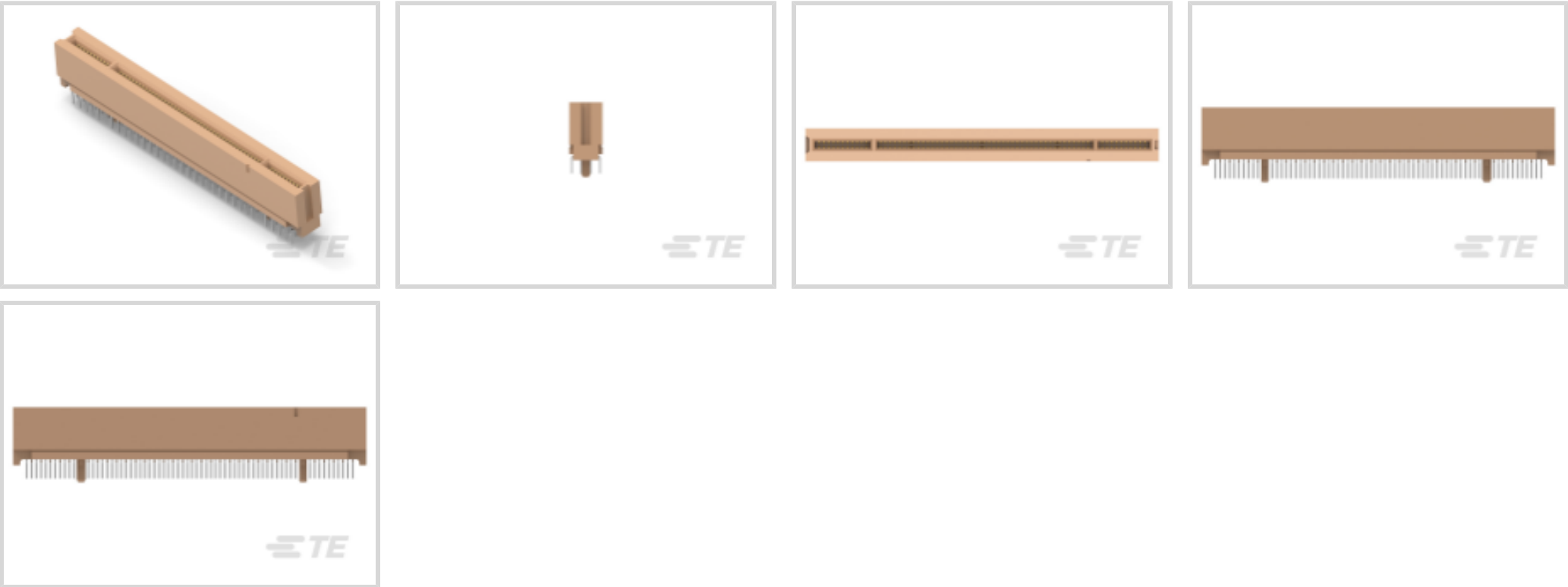


AMP .050 Series

TE Internal #: 5650091-2
Board-to-Board, 132 Position, 1.27 mm [.05 in] Centerline, 66 Dual Positions, 2 Row, Brown, AMP .050 Series, Standard Edge Connectors

[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

Electrical Characteristics

Operating Voltage	203 VAC
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Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Dimensions

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

Packaging Features

Packaging Quantity	35
Packaging Method	Box

Mechanical Attachment

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

Contact Features

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

Product Type Features

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

Configuration Features

Number of Positions	132
Number of Dual Positions	66
Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Brown
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Housing Features

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

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

Also in the Series | AMP .050 Series

Standard Edge Connectors(16)

Customers Also Bought

TE Part #2327679-1
RECEPTACLE ASSY, 56 POS, VERT,
GEN Z

TE Part #2337227-2
TACT ULTRA JB 3.0X2.6X0.45 160GF

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

TE Part #1934359-1
TinMan R/A Header Assy 3x8 Ope

TE Part #2213773-1
AV16 SPM 0.4VA NO LED

TE Part #3-435470-1
DIP SW ASSY-BLK MPMT-4POS

TE Part #1-1614958-7
CPF 0805 1R43 0.1% 25ppm 1K RL

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

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

TE Part #2-282043-2
AMP MONO-SHAPE 3 POS P.C.B.CON



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

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Product Specifications

Application Specification

English