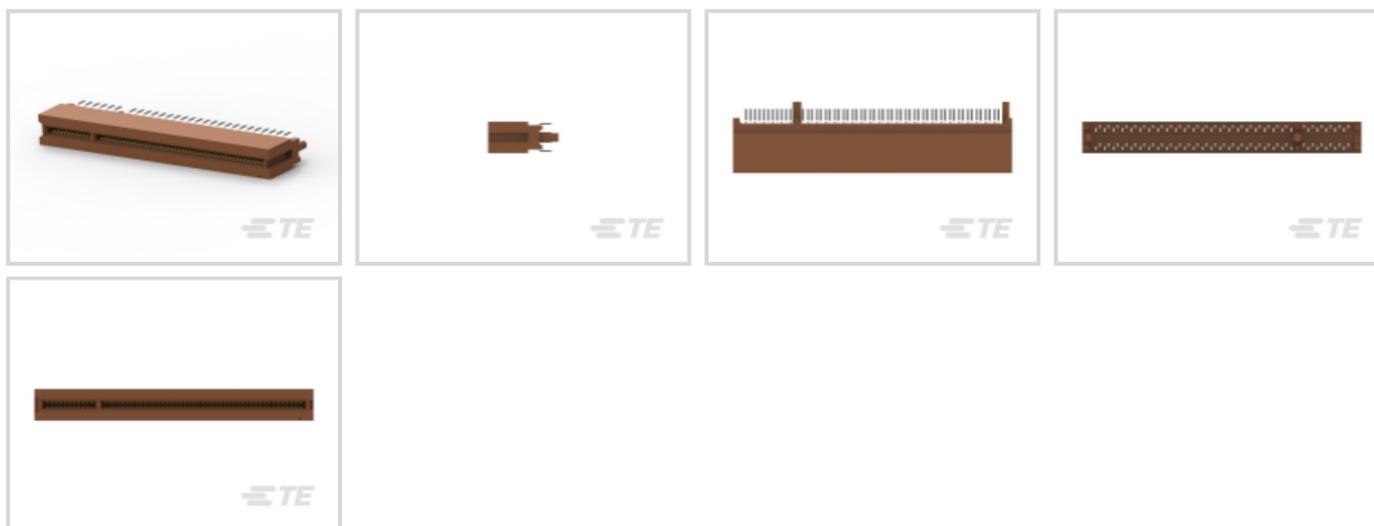




TE Internal #: 5650090-1
 Standard Edge Connectors, Board-to-Board, 112 Position, .05 in [1.27 mm] Centerline, 56 Dual Positions, 2 Row, Brown, High Temperature Thermoplastic

[View on TE.com >](#)

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



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

Number of Positions: **112**

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

Number of Dual Positions: **56**

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	112
Number of Dual Positions	56
Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	203 VAC
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
Contact Type	Socket



Contact Mating Area Plating Material Thickness	.76 μ m
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	With
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

Daughter Board 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 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Method	Box
Packaging Quantity	35



Other

Comment	Connector used for VL Local Bus and MCA Bus applications.
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



Documents

Product Drawings



STANDARD EDGE .050 SERIES 56 DUAL ASSY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5650090-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5650090-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5650090-1_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English