



TE Internal #: 5-2337939-4  
Board-to-Board, 164 Position, 1 mm [.039 in] Centerline, Vertical,  
Black, Signal, -40 – 85 °C, PCI & PCI Express Connectors  
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Connectors > PCB Connectors > Card Edge Connectors > PCI & PCI Express Connectors



Connector System: **Board-to-Board**  
Number of Positions: **164**  
PCI Generation: **4**  
Centerline (Pitch): **1 mm [.039 in]**  
Contact Mating Area Plating Material Thickness: **[ 30 µin ]**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Sealable	No

Configuration Features

Number of Positions	164
PCB Mount Orientation	Vertical
Ejector	Without

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1.1 A
	30 µin

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

PCB Mount Retention Type	SMT Hold-Down
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1 mm [.039 in]
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Dimensions

PCB Thickness (Accepted)	1.57 mm
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Usage Conditions

Operating Temperature Range	-40 – 85 °C
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Operation/Application

Circuit Application	Signal
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Industry Standards

Bus Type	PCI Express
PCI Generation	4

Packaging Features

Packaging Method	Box & Tray
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

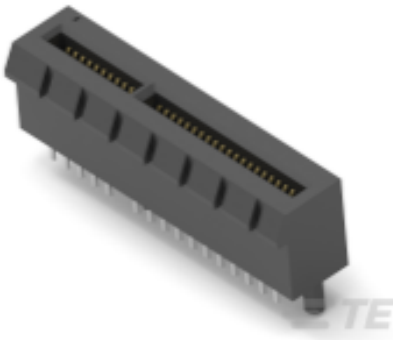
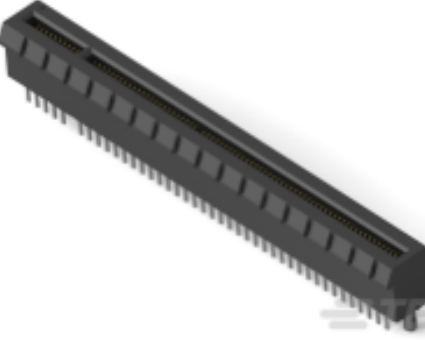
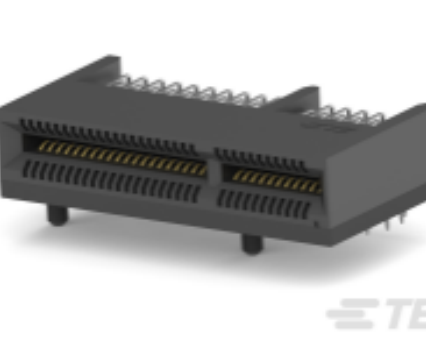
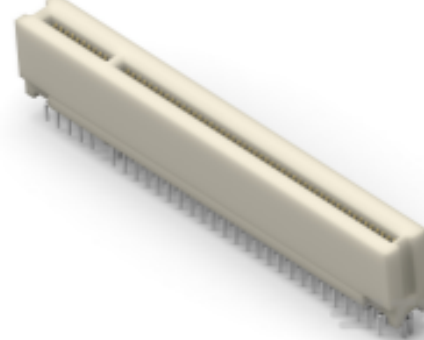
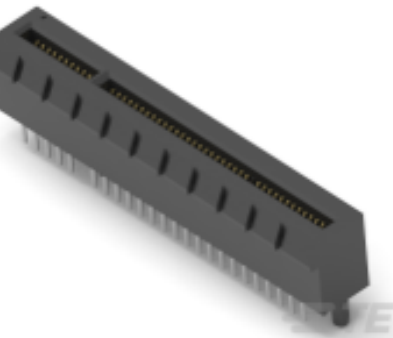


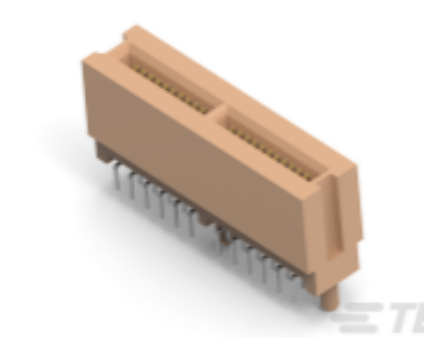
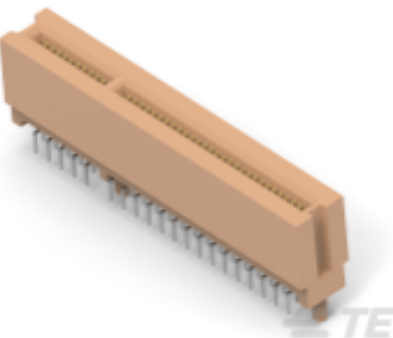
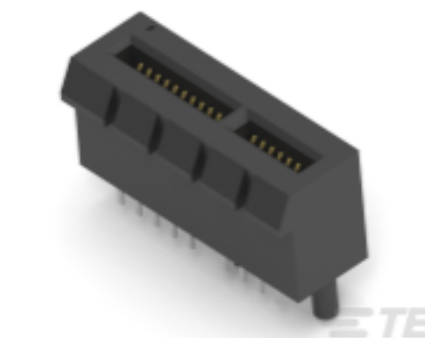
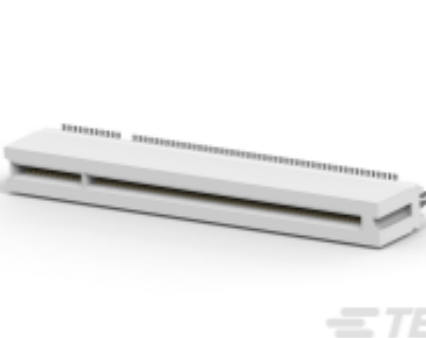
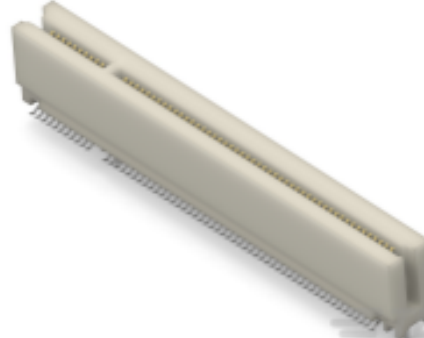
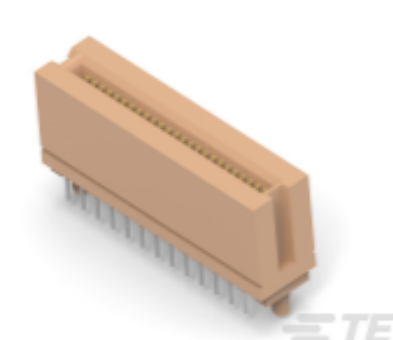
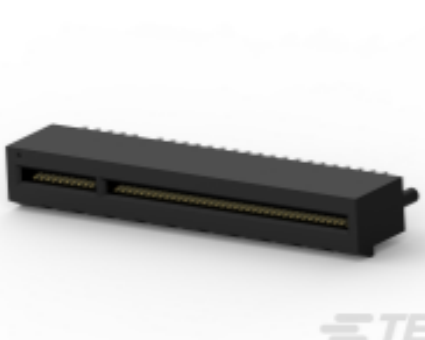

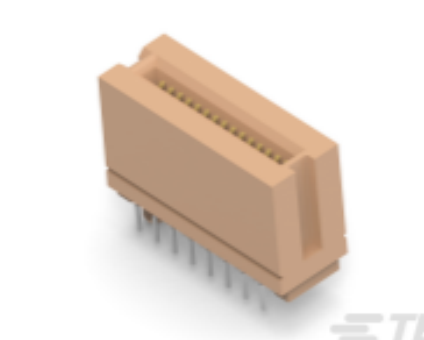
Product Compliance Disclaimer

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

 <p>TE Part # 1871058-4 PCI EXPRESS CONN. EON TYPE, 16</p>	 <p>TE Part # 1-1871058-4 PCI EXPRESS CONN. EON TYPE, 16</p>	 <p>TE Part # 1761465-2 PCI Express RA assy 5.8mm slot 2.3 mm pc</p>	 <p>TE Part # 5145167-8 STANDARD EDGE .050 SERIES 60 DUAL ASSY</p>
 <p>TE Part # 1-1871058-3 PCI EXPRESS CONN. EON TYPE, 98</p>	 <p>TE Part # 5145167-4 STANDARD EDGE .050 SERIES 60 DUAL ASSY</p>	 <p>TE Part # 2-1761465-3 PCI Express RA assy 5.8mm slot 2.3 mm pc</p>	 <p>TE Part # 5650090-7 STANDARD EDGE .050 SERIES 23 DUAL ASSY</p>
 <p>TE Part # 5650090-3 STANDARD EDGE .050 SERIES 40 DUAL ASSY</p>	 <p>TE Part # 1871058-1 PCI EXPRESS CONN. EON TYPE, 36P, L=2.0</p>	 <p>TE Part # 5145098-1 CONNECTOR ASSEMBLY, DUAL POSIT</p>	 <p>TE Part # 1761842-1 CONNECTOR ASSY, 60 DUAL POSITI</p>
 <p>TE Part # 5650719-1 STANDARD EDGE .050 SERIES 25 DUAL ASSY</p>	 <p>TE Part # 1871058-3 PCI EXPRESS CONN. EON TYPE, 98</p>	 <p>TE Part # 5145165-8 CONNECTOR ASSEMBLY, 92 DUAL POSITION, 0</p>	 <p>TE Part # 5650712-1 STANDARD EDGE .050 SERIES 15 DUAL ASSY</p>



TE Part # 1-5145165-2  
CONNECTOR ASSEMBLY, DUAL POSITIONS, .050



TE Part # 5145165-4  
STANDARD EDGE .050 SERIES 92 DUAL ASSY



TE Part # 1-5145154-2  
CONNECTOR, 60 DUAL POSITION, .



TE Part # 5145154-8  
STANDARD EDGE .050 SERIES 60 DUAL ASSY

Customers Also Bought



TE Part #2-31886-2  
PIDG R 22-16 COMM 22-18 MIL 8



TE Part #208209-2  
METRIMATE PIN HSG 19 POSN



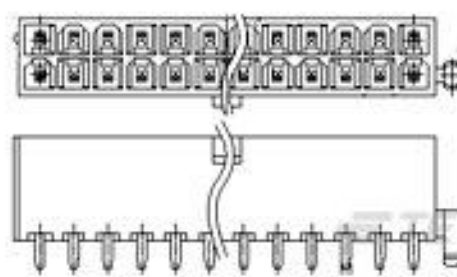
TE Part #3-647166-2  
2P MTA100 HDR ASSY,SM,FL,LF




TE Part #2299804-3  
LGA 3647 Socket Hardware



TE Part #2-2129710-1  
LGA 3647 Sockets



TE Part #3-1775099-8  
ATX PWR CONN 1 BDLK 24 POS



TE Part #2322272-1  
CA, RA CCJ TO R TERMINAL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-2337939-4\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2337939-4\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2337939-4\_A.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



Product Specification

English

Agency Approvals

UL Report

English