



TE Internal #: 5-2337939-8
Board-to-Board, 164 Position, 1 mm [.039 in] Centerline, Vertical,
Black, Signal, -40 – 85 °C [-40 – 185 °F], 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 Current Rating (Max)	1.1 A
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
	30 µin

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
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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 [-40 – 185 °F]
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Reflow solder capable to 260°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

 <p>TE Part # 1367703-1 R/A AMC Conn,Style B+</p>	 <p>TE Part # 3-1367703-1 R/A AMC Conn,Style B+,SnPb,w/Hdw,w/Pegs</p>	 <p>TE Part # 1-1367703-2 R/A AMC Conn,Style B+,Sn,w/Hdw</p>	 <p>TE Part # 118982-1 KEYING PLUG</p>
 <p>TE Part # 2-1367703-1 R/A AMC Conn,Style B+,SnPb,w/Pegs</p>	 <p>TE Part # 2-1367703-2 R/A AMC Conn,Style B+,Sn,w/Pegs</p>	 <p>TE Part # 1-117169-3 CARD GUIDE ECON I</p>	 <p>TE Part # 5-2349820-4 PCIEG4,SMT,V,164P,30u,ML,HT,OEW</p>
 <p>TE Part # 5-2337939-4 PCIE GEN4 CON,SMT,164POS,30u",MYLAR,HT</p>	 <p>TE Part # 117249-2 POST F-THRU 100 C/L PLATED</p>	 <p>TE Part # 117249-7 POST F-THRU 100 C/L PLATED</p>	 <p>TE Part # 1-5147490-0 Next Gen PACE Conn 10 POS 1X2</p>
 <p>TE Part # 1-1367703-1 R/A AMC Conn,Style B+,SnPb,w/H</p>	 <p>TE Part # 1734774-1 PCI EXP 3.1L 36 POS WHT G/F</p>	 <p>TE Part # 1367703-2 R/A AMC Conn Style B+,SN</p>	 <p>TE Part # 3-5147490-2 Next Gen PACE Conn 32 POS 1X2</p>



TE Part # 3-1367703-2
[R/A AMC Conn,Style B+,Sn,w/Hdw](#)

Customers Also Bought



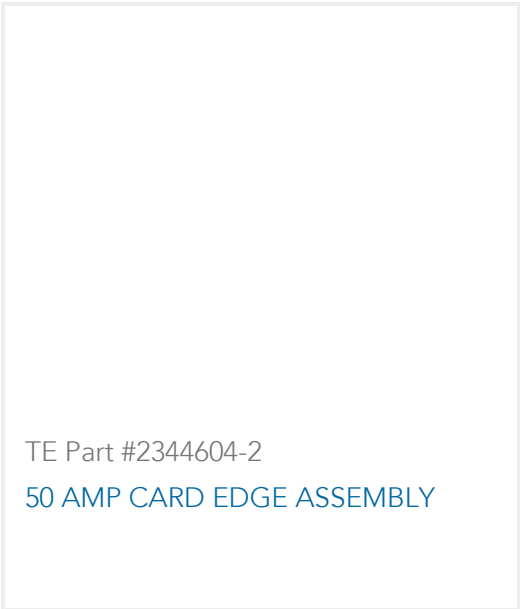
TE Part #2340324-1
[ASSY STRADDLE MOUNT 140P 062 SLIVER 2.0](#)



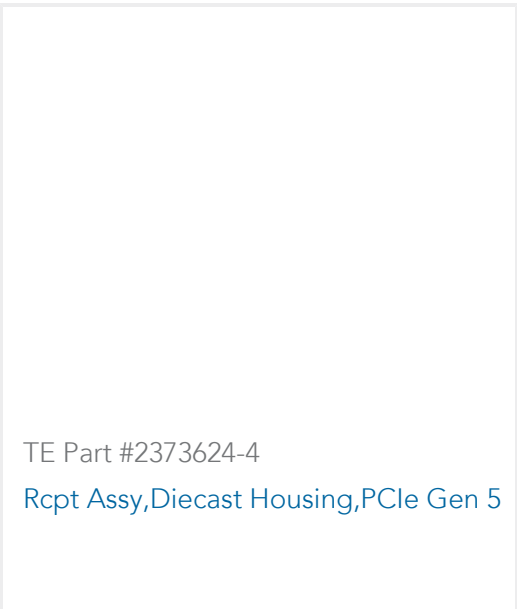
TE Part #1-2340321-2
[ASSY STRADDLE MOUNT 168P 076 SLIVER 2.0](#)



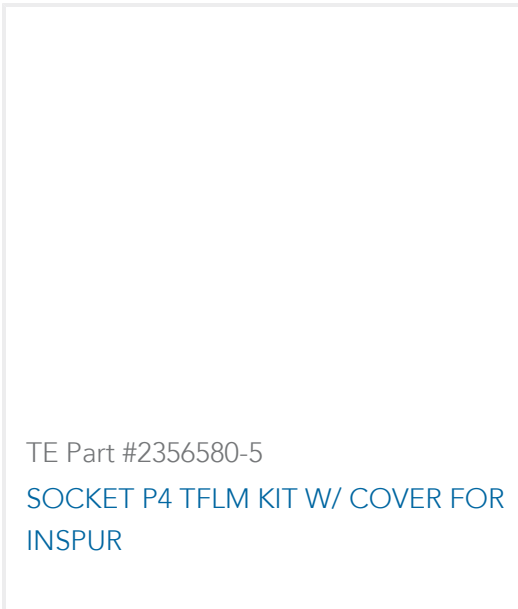
TE Part #1-2324271-8
[LEFT SEGMENT LGA4189-5 SOCKET-P5 FOR ODM](#)



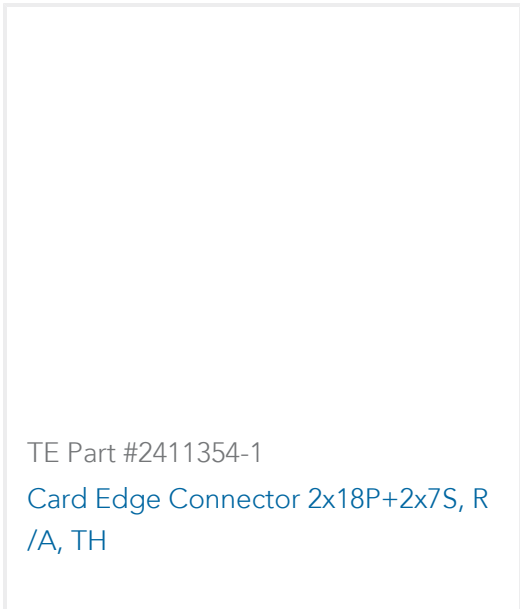
TE Part #2344604-2
[50 AMP CARD EDGE ASSEMBLY](#)



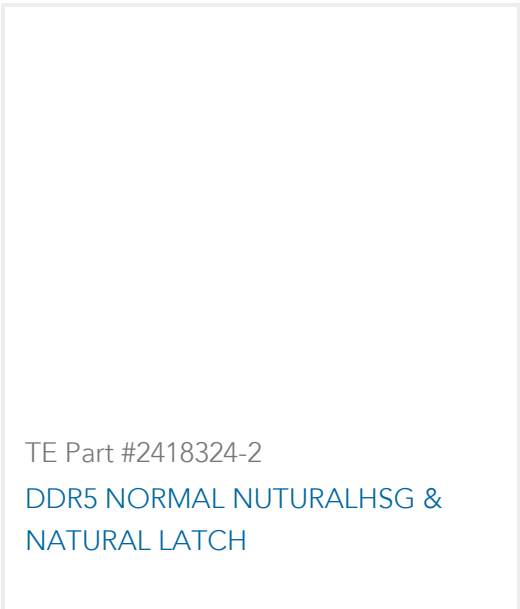
TE Part #2373624-4
[Rcpt Assy,Diecast Housing,PCle Gen 5](#)



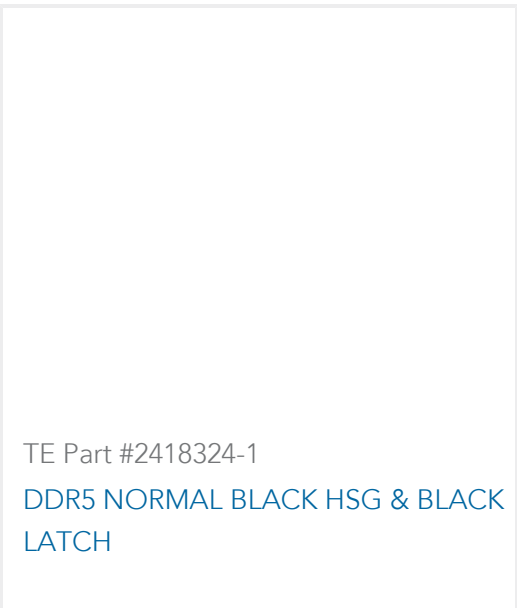
TE Part #2356580-5
[SOCKET P4 TFLM KIT W/ COVER FOR INSPUR](#)



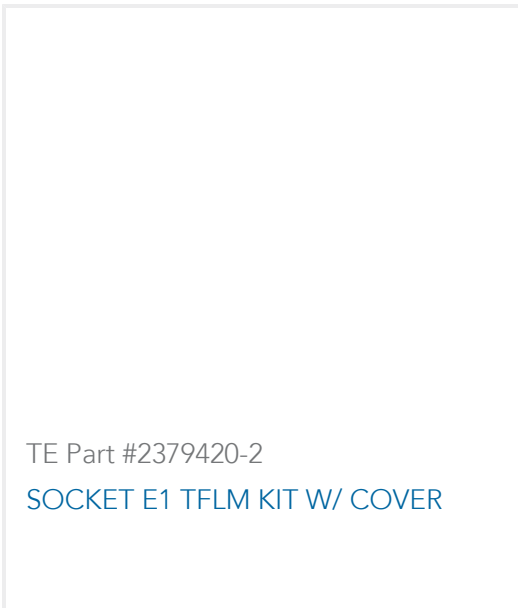
TE Part #2411354-1
[Card Edge Connector 2x18P+2x7S, R /A, TH](#)



TE Part #2418324-2
[DDR5 NORMAL NUTURALHSG & NATURAL LATCH](#)



TE Part #2418324-1
[DDR5 NORMAL BLACK HSG & BLACK LATCH](#)



TE Part #2379420-2
[SOCKET E1 TFLM KIT W/ COVER](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-2337939-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-2337939-8_A.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_5-2337939-8_A.3d_stp.zip](#)

English

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Product Specifications

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