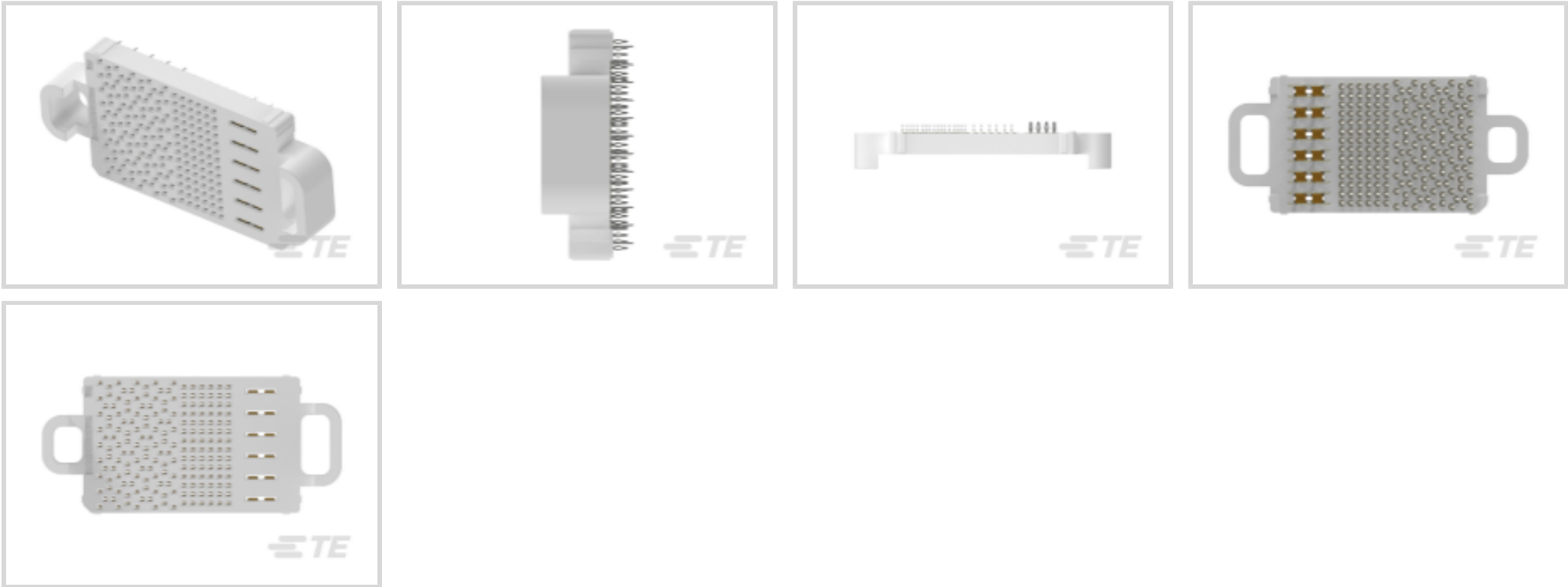




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **199**

Centerline (Pitch): **3.04 mm, 6.09 mm [ .24 in, .12 in ]**

Features

Signal Characteristics

Data Rate	16 Gb/s
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Electrical Characteristics

Operating Voltage	6 VDC
Impedance	100 Ω
Insulation Resistance	1000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

Dimensions

Stack Height	28 mm[1.102 in]
PCB Thickness (Recommended)	.06 mm[.8 in]
Connector Height	4.49 mm[.177 in]

Packaging Features

Packaging Quantity	32
Packaging Method	Package



Operation/Application

Assembly Process Feature	None
Circuit Application	Power & Signal

Mechanical Attachment

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

Termination Features

Rectangular Termination Post & Tail Width	.43 mm, .74 mm[.016 in][.029 in]
Rectangular Termination Post & Tail Thickness	.2 mm, .15 mm[.005 in][.008 in]
Termination Post & Tail Length	2.05 mm[.08 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Mating Tab Width	4.5 mm, .69 mm[.177 in][.027 in]
Contact Layout	Staggered
Contact Base Material	Copper Alloy
Mating Tab Thickness	.41 mm, .3 mm[.011 in][.015 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Housing Features

Housing Material	LCP (High Temp Thermoplastic)
Centerline (Pitch)	3.04 mm, 6.09 mm[.24 in][.12 in]

Configuration Features

Number of Pairs	32
Number of Loaded Positions	193
Number of Signal Positions	8



Number of Power Positions	6
Board-to-Board Configuration	Parallel
Stackable	Yes
Pairs per Column	8
PCB Mount Orientation	Vertical
Number of Positions	199

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Black
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Usage Conditions

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

UL Flammability Rating	UL 94V-0
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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	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free



Solder Process Capability

Not applicable 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

TE Part # 6-2057470-1  
STRADA MESA,HD,ST,032,084,06,SN,Y,11

TE Part # 7-2057470-3  
STRADA MESA,HD,ST,032,084,06,SN,Y,23

TE Part # 9-2057470-0  
STRADA MESA,HD,ST,032,084,06,SN,Y,40

TE Part # 7-2057470-8  
STRADA MESA,HD,ST,032,084,06,SN,Y,28

TE Part # 6-2057470-9  
STRADA MESA,HD,ST,032,084,06,SN,Y,19

TE Part # 7-2057470-5  
STRADA MESA,HD,ST,032,084,06,SN,Y,25

TE Part # 6-2227706-1  
SM,HD,ST,032,084,06,SN,Y,11 (new tip)

Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #CAT-D487-W416  
WedgeLocks: DEUTSCH DT

TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5-2057471-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-2057471-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2057471-1\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English