2057745-3 V ACTIVE

IMPACT

TE Internal #: 2057745-3

96 Position, Mating Alignment, Polarization Mating Alignment

Type, 6 Row, 16 Column, PCB Mount Header, IMPACT, High Speed

Backplane Connectors

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Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 96

Row-to-Row Spacing: 1.35 mm [.053 in]

Mating Alignment: With

Mating Alignment Type: Polarization

Number of Rows: 6

Features

Product Type Features

Signal Arrangement	Differential
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded
Configuration Features	
Number of Ground Positions	32
Number of Pairs	32
Stackable	No
Number of Signal Positions	64
Number of Positions	96
Number of Rows	6
Number of Columns	16
PCB Mount Orientation	Vertical
Guide Location	Unguided
Electrical Characteristics	

30 VAC

Operating Voltage

Signal Characteristics



Number of Differential Pairs per Column	2
Data Rate	25 Gb/s
Body Features	
Primary Product Color	Black
Contact Features	
Contact Mating Area Length	5.5 mm[.217 in]
PCB Contact Termination Area Plating Material Thickness	1.27 μm[50 μin]
Contact Layout	Inline
Contact Type	Pin
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.75 A
Termination Features	
Termination Post & Tail Length	1.4 mm[.055 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Guide Hardware	Without
Mating Retention	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Housing Features	
Number of Shrouded Sides	3
End Wall Location	Left



Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]
Dimensions	
Connector Length	31.7 mm[1.248 in]
Connector Height	11.95 mm[.47 in]
Connector Width	12.7 mm[.5 in]
	.039 in
PCB Hole Diameter	.46 mm[.018 in]
Row-to-Row Spacing	1.35 mm[.053 in]
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Box & Tube

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 applicable for solder process capability

Product Compliance Disclaimer

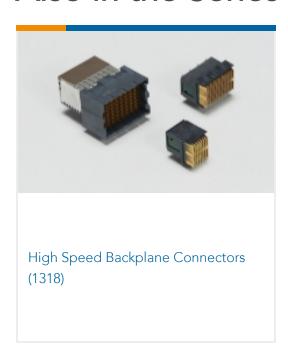


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



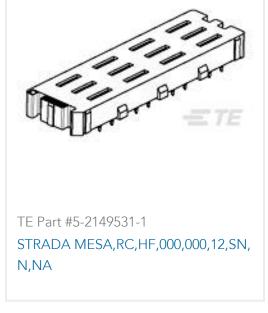
Also in the Series | IMPACT



Customers Also Bought













Documents

Product Drawings

IMP100S,H,V2P16C,UG,LEW46,5.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2057745-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2057745-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2057745-3_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English