2057737-1 ✔ ACTIVE

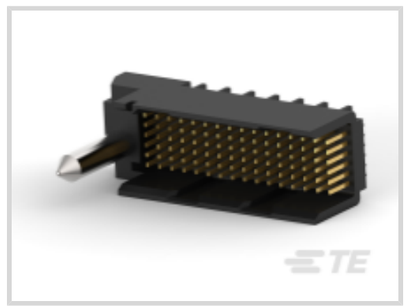
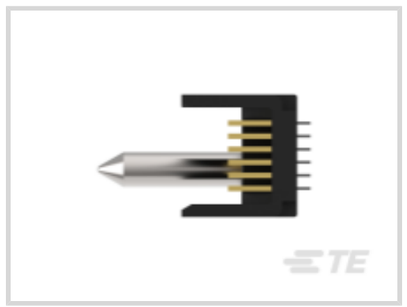
IMPACT

TE Internal #: 2057737-1

96 Position, Mating Alignment, Guide Pin Mating Alignment Type, 6 Row, 16 Column, PCB Mount Header, Vertical, IMPACT, High Speed Backplane Connectors

View on TE.com >

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: **Guide Pin**

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	Left

Electrical Characteristics

Operating Voltage	30 VAC

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	4.5 mm[.177 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

PCB Mount Alignment Type	Locating Posts
Guide Hardware	With
Mating Retention	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail & Screw
Mating Alignment	With

Mating Alignment Type	Guide Pin
Connector Mounting Type	Board Mount

Housing Features

Number of Shrouded Sides	2
End Wall Location	Open
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]

Dimensions

Connector Length	36.9 mm[1.453 in]
Connector Height	11.95 mm[.47 in]
Connector Width	12.7 mm[.5 in]
	.039 in
PCB Hole Diameter	.39 mm[.015 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, Package

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

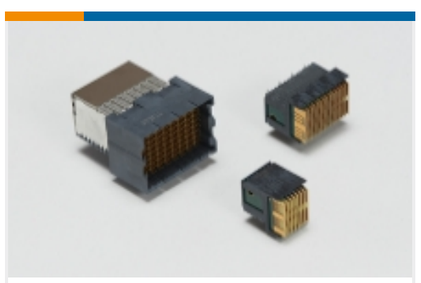
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

TE Part # 2057411-1
IMP100S,R,RA2P16C,UG,39

TE Part # 2018537-1
TOOL, SEAT 2 PR 16 COL,BP CONN

Also in the Series | IMPACT



High Speed Backplane Connectors (1318)

Customers Also Bought

TE Part #HPP809A033
HTM2500LFL HIGH TEMP RH/T MOD

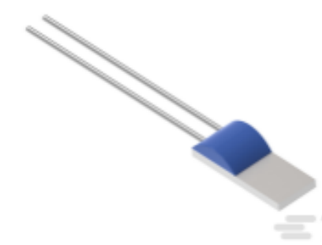
TE Part #D5154-000005-015PD
PRESS XDCR D5154-000005-015PD

TE Part #9-146256-0
80 MODII HDR DRST B/A .100CL LF

TE Part #5-5223961-1
TE UPM R/A Header 3P HC Power, LLL

TE Part #5-5223955-2
TE UPM Ver Rec 3P HC Power Connector

TE Part #2057410-1
IMP100S,R,RA2P16C,RG,39



TE Part #NB-PTCO-166
Pt100, 2.0x5.0, Class C, PTFD101C1A0

TE Part #5569255-1
STK MJ ASSY,8POS,2X2,SHLD,CAT5

TE Part #ASA021N00410235000
623 PLUG

Documents

Product Drawings

IMP100S,H,V2P16C,LG,OEW39,4.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2057737-1_A_c-2057737-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2057737-1_A_c-2057737-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2057737-1_A_c-2057737-1-a.3d_stp.zip

English

Datasheets & Catalog Pages

7-1773458-1_IMPACT_BACKPLANE_CONNECTOR_SYSTEM_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English