

2057744-3  ACTIVE

IMPACT

TE Internal #: 2057744-3

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

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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

Operating Voltage	30 VAC
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Signal Characteristics

Number of Differential Pairs per Column	2
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Data Rate	25 Gb/s
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Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Length	5.5 mm[.217 in]
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PCB Contact Termination Area Plating Material Thickness	1.27 µm[50 µin]
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Contact Layout	Inline
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Contact Type	Pin
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Contact Underplating Material Thickness	1.27 µm[50 µin]
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Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
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Contact Mating Area Plating Material	Gold
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Shape & Form	Dual Beam
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	.75 A
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Termination Features

Termination Post & Tail Length	1.4 mm[.055 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Guide Hardware	Without
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Mating Retention	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Action/Compliant Tail
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Connector Mounting Type	Board Mount
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Housing Features

Number of Shrouded Sides	2
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End Wall Location	Open
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Housing Material

LCP (Liquid Crystal Polymer)

Centerline (Pitch)

1.9 mm[.075 in]

Dimensions

Connector Length

30.3 mm[1.193 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

CSA Certified, UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

Box & Tube

Product ComplianceFor 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 2024
(240)Candidate List Declared Against: JAN 2024
(240)

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

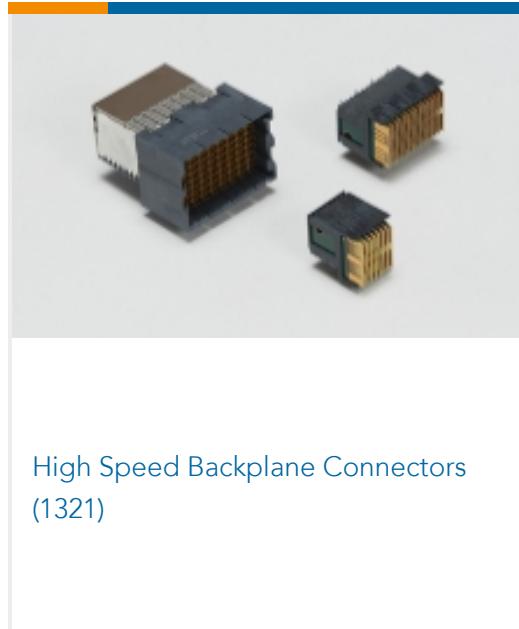
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

Also in the Series | **IMPACT**



High Speed Backplane Connectors
(1321)

Customers Also Bought



TE Part # 5103308-2
A/L LOW PRO HDR 14P VERT BLACK



TE Part # 1-794079-0
24P MINI UMNL HDR W/O DH SN LF



TE Part # 5406299-1
MJ ASSY,S/P,8POS,SH,RVPGT,CAT 5e



TE Part # 1586134-1
05P UMNL PIN HDR V2 NATL NDH



TE Part # DT13-12PC-B016
HDR, 12P, GRN, RA, ENH KEY, NI/CU,
C

Documents

Product Drawings

[IMP100S,H,V2P16C,UG,OEW46,5.5](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2057744-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2057744-3_A.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2057744-3_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English