

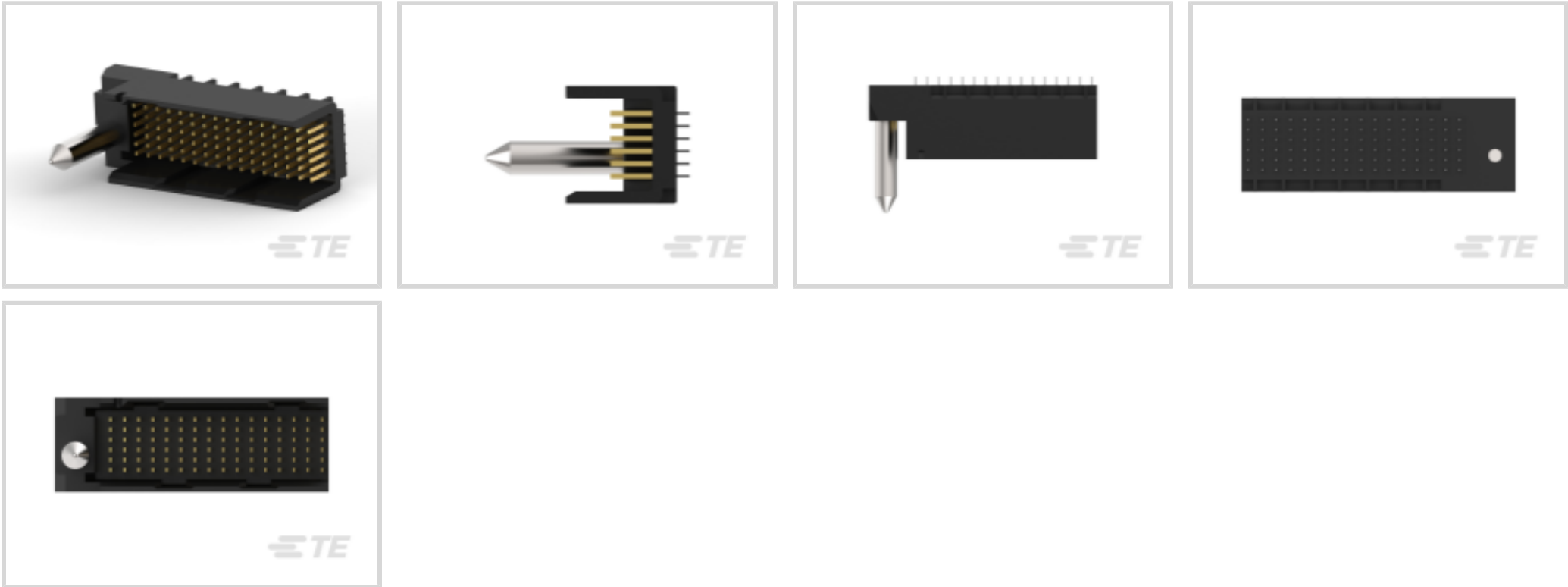


IMPACT

TE Internal #: 2057737-1
96 Position High Speed Backplane Connector, 6 Row, 16 Column,
PCB Mount Header, Vertical, Partially Shrouded, 1.9 mm [.075 in]
Centerline, IMPACT

[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

Electrical Characteristics

Operating Voltage	30 VDC
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Signal Characteristics

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

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	1.4 mm[.055 in]

Body Features

Primary Product Color	Black
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Packaging Features

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Packaging Method	Package, Box & Tube
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material Thickness	1.27 µm[50 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Gold
Contact Mating Area Length	4.5 mm[.177 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	.75 A
Housing Features	
Number of Shrouded Sides	2
End Wall Location	Open
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	1.9 mm[.075 in]
Product Type Features	
Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded
Mechanical Attachment	
Guide Hardware	With
PCB Mount Retention	With
Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail & Screw
PCB Mount Alignment Type	Locating Posts
Mating Alignment	With



Mating Alignment Type	Guide Pin
Connector Mounting Type	Board Mount

Dimensions

Connector Width	12.7 mm[.5 in] .039 in
PCB Hole Diameter	.39 mm[.015 in]
Connector Height	11.95 mm[.47 in]
Connector Length	36.9 mm[1.453 in]
Row-to-Row Spacing	1.35 mm[.053 in]

Configuration Features

Number of Pairs	32
Number of Ground Positions	32
Number of Signal Positions	64
Stackable	No
Number of Positions	96
Number of Rows	6
Number of Columns	16
PCB Mount Orientation	Vertical
Guide Location	Left

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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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 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

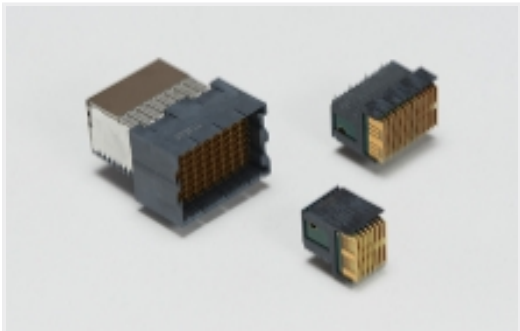
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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
(149)

Customers Also Bought





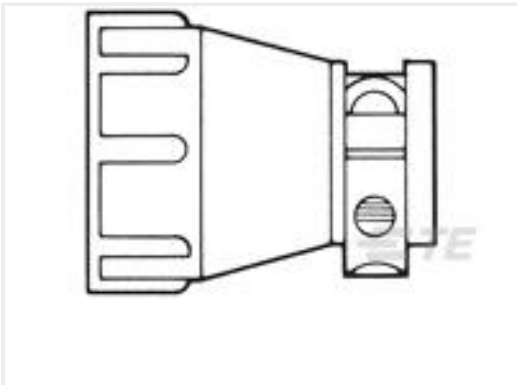
TE Part #T4111001051-000
M12,MALE,STRAIGHT,A CODE,5P,
PG7,GOLD



TE Part #HPP809A033
HTM2500LFL HIGH TEMP RH/T MOD



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



TE Part #1-206062-7
CABLE CLAMP KIT, BULK PKG



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



TE Part #1-66103-8
III+ PIN,24-20,TIN,LP



TE Part #62998-2
250 FSATON REC 10-8 AWG TPBR



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



TE Part #2057409-1
IMP100S,R,RA2P16C,LG,39



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

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



7-1773458-1_IMPACT_BACKPLANE_CONNECTOR_SYSTEM_CATALOG

English

Product Specifications

Application Specification

English

Application Specification

English

Agency Approvals

Agency Approval Document

English