



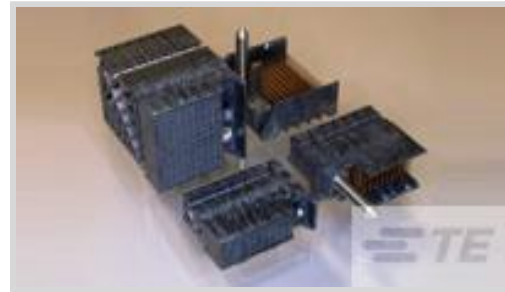
IMPACT

TE Part # 2132466-1

TE Internal #: 2132466-1

[View on TE.com >](#)

Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



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

Number of Positions: **96**

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

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Features

Product Type Features

Make First / Break Last	No
Product Type	Connector
Signal Arrangement	Differential
Connector Type	Connector Assembly
Connector System	Board-to-Board
Row-to-Row Spacing	1.35 mm[.053 in]
Connector Style	Receptacle
Shrouded	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

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	12
Number of Columns	8
Board-to-Board Configuration	Orthogonal, Right Angle
PCB Mount Orientation	Right Angle

Guide Location	Unguided
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Electrical Characteristics

Operating Voltage	30 VDC
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Signal Characteristics

Number of Differential Pairs per Column	4
Data Rate	25 Gb/s

Contact Features

Contact Type	Socket
Underplate Material Thickness	1.27 μ m[50 μ in]
Contact Transmits (Typical)	Signal (Data)
Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	1.27 μ m[50 μ in]
Contact Design	Dual Beam
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Thickness	.76 μ m[29.92 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.75 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

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

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
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Housing Color	Black
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Centerline (Pitch)	1.9 mm[.075 in]
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Dimensions

Height	17.3 mm[.681 in]
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Width	28.2 mm[1.11 in]
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Tail Length	1.2 mm[.047 in]
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Length	16.2 mm[.6378 in]
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PCB Thickness (Recommended)	1 mm[.039 in]
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PCB Hole Diameter	.39 mm[.015 in]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL File Number	E28476
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UL Rating	Recognized
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CSA Certified	Yes
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tube, Package
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2018 (181)
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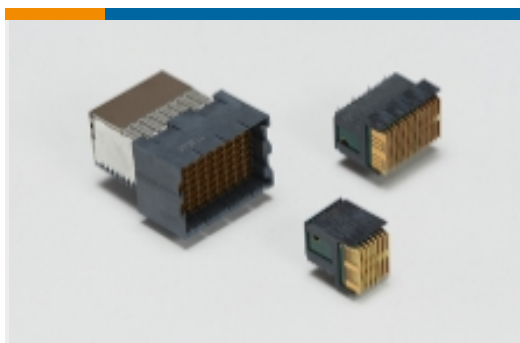
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

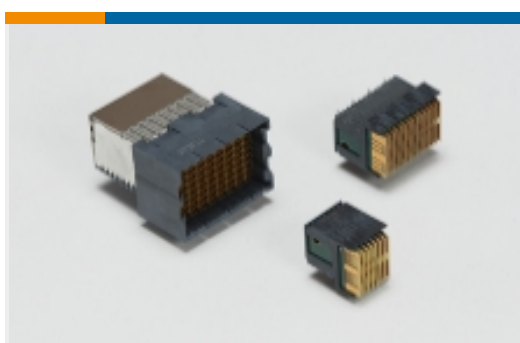
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



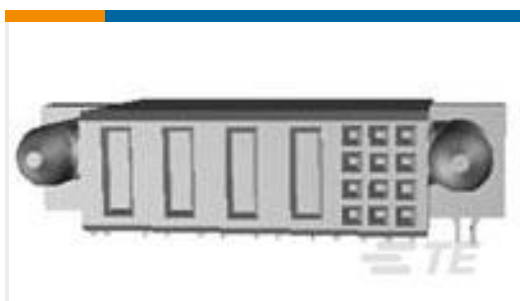
High Speed Backplane Connectors(34)

Also in the Series | IMPACT



High Speed Backplane Connectors(1824)

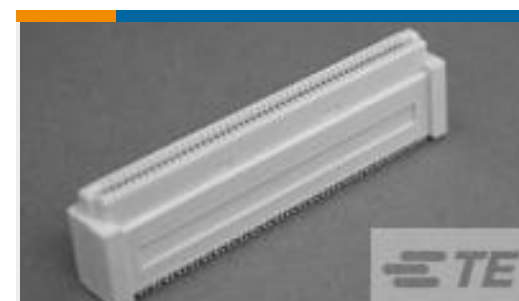
Customers Also Bought



TE Part #1-6450161-5
 MBXL R/A RCPT 12S+4P



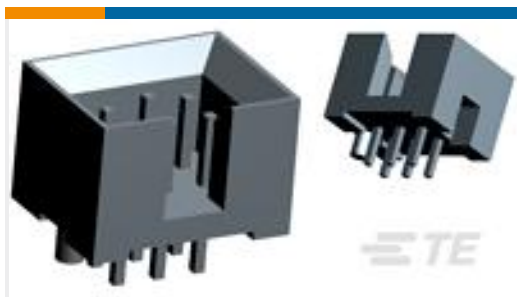
TE Part #1-6450551-1
 MBXL VERT RCPT 16S+4P



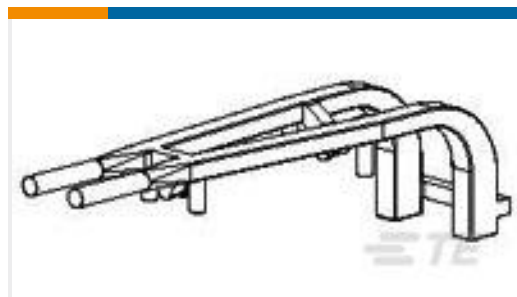
TE Part #1735805-5
 0.8FH,R13H.5,120,08/Sn,
 TR,WSC



TE Part #1888566-2
 IMJ,1X1,PNL GRD,LED(Y
 /G), SN



TE Part #2041540-1
2.0mm Box Header, 6 Pos.
Vertical, DIP



TE Part #2057500-1
Light Pipe, Ganged SFP+



TE Part #2132464-1
IMP1000,R,RA4P8C,LG,39



TE Part #2132695-1
IMP1000,R,RA5P10C,UG,
39



TE Part #3-644896-2
02P CST100 SHRD HDR
ASSY LF



TE Part #6450372-3
MBXL R/A RCPT
3ACP+4P+24S

Documents

Product Drawings

[IMP1000,R,RA4P8C,UG,39](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2132466-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2132466-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2132466-1_A.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[7-1773458-1_IMPACT_BACKPLANE_CONNECTOR_SYSTEM_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English