

#### **IMPACT**

TE Internal #: 2007790-1

90 Position High Speed Backplane Connector, 9 Row, 10 Column,

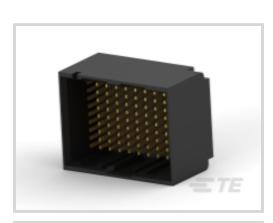
PCB Mount Header, Vertical, Fully Shrouded, 1.9 mm [.075 in]

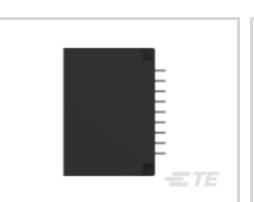
Centerline, IMPACT

View on TE.com >

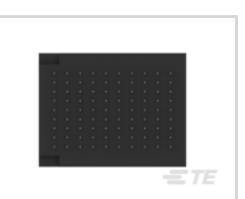


Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors











Number of Positions: 90

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

Mating Alignment: With

Mating Alignment Type: Polarization

Number of Rows: 9

### **Features**

## **Product Type Features**

Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Header
Shroud Style	Fully Shrouded
Configuration Features	
Number of Pairs	30
Number of Ground Positions	30
Number of Signal Positions	60
Stackable	No
Number of Positions	90
Number of Rows	9
Number of Columns	10
PCB Mount Orientation	Vertical



Guide Location	Unguided
Electrical Characteristics	
Operating Voltage	30 VDC
Impedance	100 Ω
Signal Characteristics	
Data Rate	20 – 25 Gb/s
Number of Differential Pairs per Column	3
Body Features	
Primary Product Color	Black
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]
PCB Contact Termination Area Plating Material Thickness	.76 – 1.52 μm[30 – 60 μin]
Contact Shape & Form	Dual Beam
Contact Layout	Inline
Contact Mating Area Plating Material	Gold (Au)
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
Termination Features	
Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	1.4 mm[.055 in]
Mechanical Attachment	
Guide Hardware	Without
PCB Mount Retention	With
Mating Retention	Without
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	4
End Wall Location	Dual
Housing Material	LCP GF
Centerline (Pitch)	1.9 mm[.075 in]
Dimensions	
PCB Thickness (Recommended)	1 mm
Connector Width	16.7 mm[.657 in]
PCB Hole Diameter	.39 mm[.015 in]
Connector Height	11.95 mm[.47 in]
Connector Length	21.7 mm[.854 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	
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247)



Does	not	contain	<b>REACH</b>	SVHC
	1100	COLITAIL		$\cup$

	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

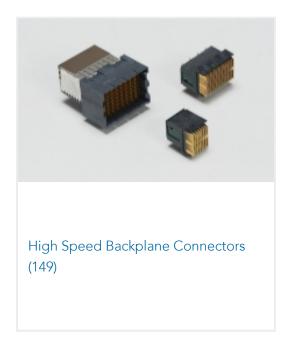
#### Product Compliance Disclaimer

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





TE Part #282837-2 TERMI-BLOK PCB MOUNT 2P

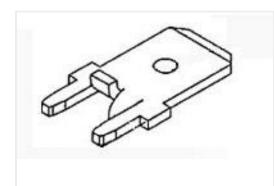


TE Part #5-103956-3
5X4 MTE RCPT SR LATCH .100CL



TE Part #5-103948-1 8X2 MTE SHRD PIN SR LTCH .100





TE Part #1217136-1 250 FASTON,PCB TAB,TNBR



TE Part #5747844-4
09 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #5-103958-1 10X2 MTE RPT SR LATCH .100CL





TE Part #7-338069-6 MICRO-MATCH SMD FTE



TE Part #2007838-1 IMP100S,H,V4P16C,UG,DEW39,4.5

## **Documents**

Product Drawings

IMP100S,H,V3P10C,UG,DEW39,4.5

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2007790-1\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2007790-1\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2007790-1\_B.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

Agency Approvals

Agency Approval Document

English