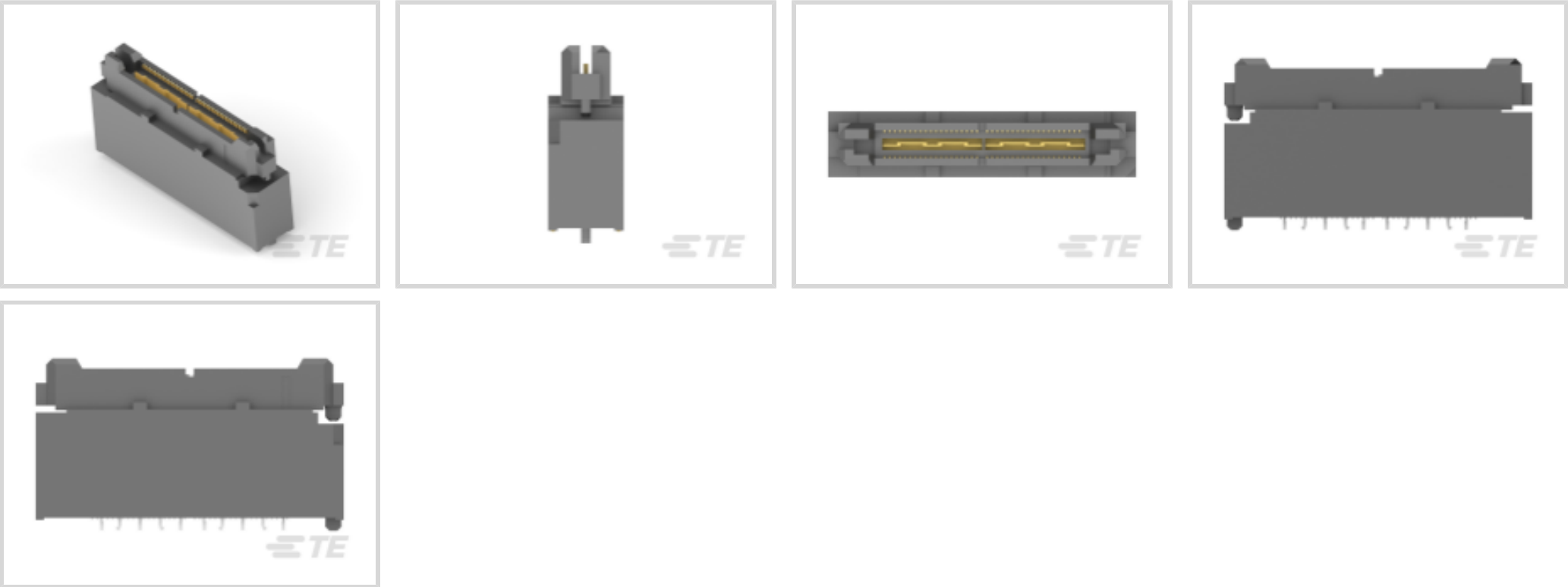




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **76**
Centerline (Pitch): **.64 mm [.025 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	2
Number of Columns	38
Stackable	Yes
Number of Signal Positions	76
PCB Mount Orientation	Vertical
Number of Positions	76
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
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Insulation Resistance	2 MΩ
Impedance	76 Ω
Operating Voltage	30 VAC

Signal Characteristics

Differential Signaling	Yes
Data Rate	10 Gb/s

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Length	1.63 mm[.064 in]
PCB Contact Termination Area Plating Material Thickness	3.81 - 6.35 μm[150 μin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
	29.9212 μin
Contact Type	Pin
Contact Current Rating (Max)	11.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.45 mm[.018 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Retention	Without
PCB Mount Retention Type	Boardlock
Mating Alignment	With
Mating Alignment Type	Polarized
PCB Mount Retention	With



PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	.64 mm [.025 in]
Housing Material	Matte

Dimensions

Connector Length	38.1 mm [1.499 in]
Connector Height	19.81 mm [.78 in]
Connector Width	8.13 mm [.32 in]
Stack Height	20 mm, 29 mm [.785 in] [1.143 in]

Usage Conditions

Operating Temperature Range	-55 - 125 °C [-67 - 257 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Rating	Listed
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA 1195944, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	14
Packaging Method	Box, Tube

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 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	Reflow solder capable to 260°C

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 # 2-5767004-3 MICTOR RECEPT ASSY, 76 POS.	 TE Part # 5767130-2 MICT,RCPT,076,ASY,GOLD,EXTD	 TE Part # 5767054-2 MICT,RECPT,76,ASSY,PDNI	 TE Part # 5767094-2 MICT,RECPT,076,ASY,PDNI,EXTD
 TE Part # 5767044-2 MICTOR,R/A,RECPT,062,076,ASY	 TE Part # 5767061-2 MICT,RECPT,076,ASSY,093,PDNI	 TE Part # 5767089-2 MICTOR,R/A,RECPT,093,076,ASY	 TE Part # 5767143-2 MICT,R/A,RCPT,076,ASY,062,30AU

Customers Also Bought



TE Part # 6609013-1
6EH4=F7287 S0

TE Part # 4-641191-0
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment

TE Part # 1-770894-0
10P SL156 HSG W/THRU BD LATCH

TE Part # 1888321-2
Shielded Receptacle Assembly,

TE Part # 4-2170808-4
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP

TE Part # 640636-3
MTA100 V-SLOT TERM LP #22

TE Part # 104068-6
60 SYSTEM 50 HDR DRST SHRD

TE Part # 9-1879335-0
CPF 0603 182R 1% 50PPM 1K RL

Documents

Product Drawings

MICT,788PLUG,76,ASSY,.025,REC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5767032-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5767032-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5767032-2_B.3d_stp.zip

English

3D PDF

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Customer View Model

ENG_CVM_5767032-2_A.3d_stp.zip

English



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Datasheets & Catalog Pages

MICTOR Interconnection System

English

Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors

English

Product Specifications

Application Specification

English