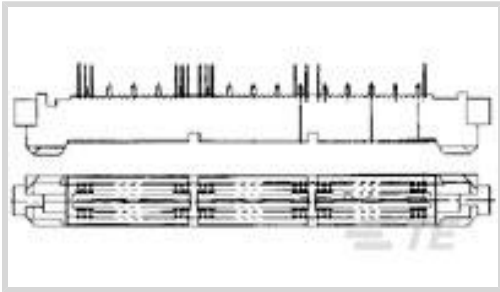


TE Internal #: 1-767032-6
PCB Mount Header, Vertical, Board-to-Board, 76 Position, .64 mm [.025 in] Centerline, Gold (Au), Surface Mount, Signal, Black, Box / Tube

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Features

Product Type Features

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

Configuration Features

Number of Columns	38
Number of Signal Positions	76
Number of Power Positions	2
Stackable	No
Number of Positions	76
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	2 VDC
Impedance	50 Ω
Insulation Resistance	2 MΩ



Signal Characteristics

Data Rate	10 Gb/s
Differential Signaling	Yes

Body Features

Primary Product Color	Black
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Contact Features

	150 – 250 µin
Contact Shape & Form	Dual Beam
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	11.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	With
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Boardlock, Locating Posts
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	.64 mm[.025 in]
Housing Material	LCP

Dimensions

Connector Width	8.13 mm[.32 in]
Connector Height	19.81 mm[.78 in]



Connector Length	38.1 mm[1.499 in]
Stack Height	20 mm, 29 mm[1.143 in]
PCB Thickness (Recommended)	1.57 mm[.8 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

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Listed
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	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (40% in 3433454) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 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

 <p>TE Part # 767178-2 MICTOR .355 RECEPTACLE, 76 POS T&R PACKA</p>	 <p>TE Part # 767096-9 MICT,REC,076,ASY,.025,TAPE,CAP</p>	 <p>TE Part # 767115-9 MICT,REC,076,ASY,.025 TAPE PKG</p>	 <p>TE Part # 767154-2 76 POS. .355 VERTICAL RECEPTAC</p>
 <p>TE Part # 767114-9 MICT,REC,076,ASY,.025,TAPE PKG</p>	 <p>TE Part # 767114-2 MICT,REC,076,ASY,.025,TAPE,CAP</p>	 <p>TE Part # 767153-9 72 POS. .355 VERTICLE RECEPTAC</p>	 <p>TE Part # 767115-2 MICT,REC,076,ASY,.025 TAPE PKG</p>
 <p>TE Part # 767096-2 MICT,REC,076,ASY,.025,TAPE PKG</p>	 <p>TE Part # 767094-2 MICT,RECPT,076,ASY,PDNI,EXTD</p>		

Customers Also Bought





TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



TE Part #3-1415020-1
PT570N20



TE Part #1-1825006-9
GDS10S04=DIP SW,SLIDE,SMT



TE Part #5146893-2
1FHR,84,30A/S,S,C,S08,09,10



TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102 0.3W



TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP



TE Part #1-928836-2
MOD2 PIN WITH A-PIN L/P



TE Part #5-103911-3
60 SYSTEM 50 RCPT ASSY DRRA



TE Part #4-2176391-7
RQ 1206 37K4 0.1% 10PPM 5K RL



TE Part #7-2176246-6
CRGS2512 5% 1M8

Documents

Product Drawings

MICT,788PLUG,76,ASSY,W VAC CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-767032-6_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-767032-6_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-767032-6_AA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



Application Specification

English

Agency Approvals

Agency Approval Document

English