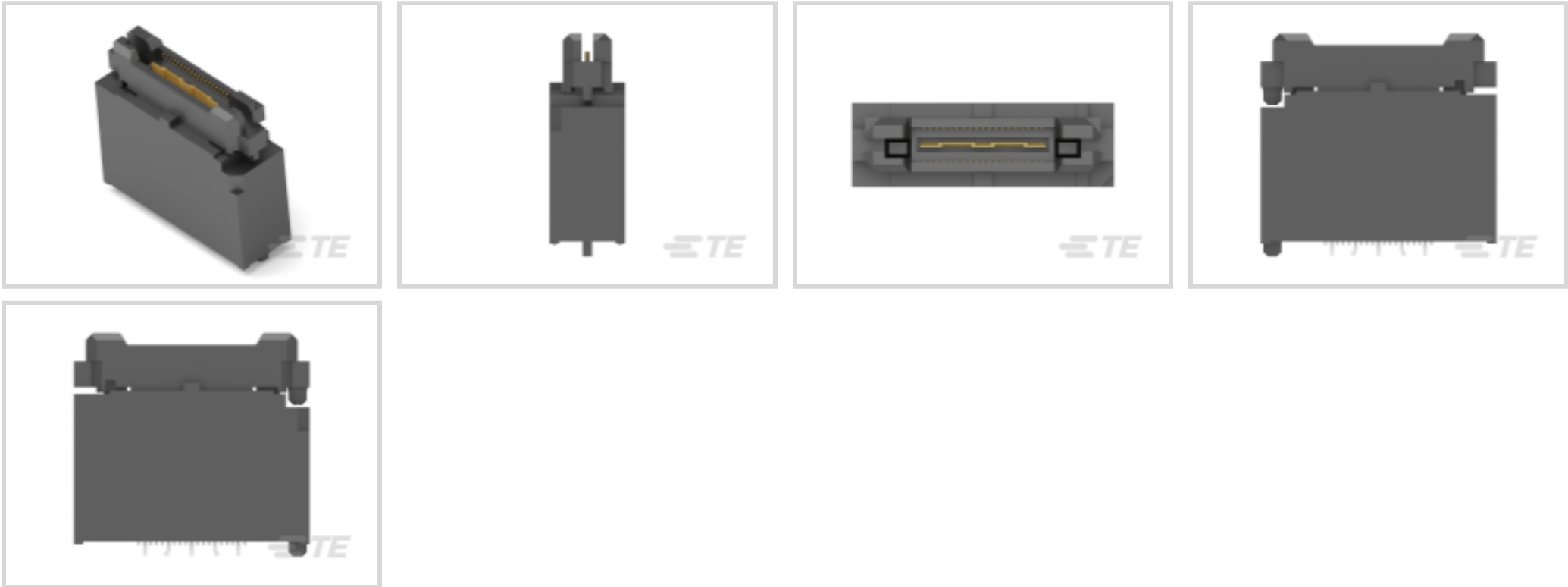




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **38**

Centerline (Pitch): **.64 mm [ .025 in ]**

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	19
Number of Signal Positions	38
Number of Power Positions	1
Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	38



Electrical Characteristics

Operating Voltage	1 VDC
Impedance	38 Ω
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Signal Characteristics

Data Rate	10 Gb/s
Differential Signaling	Yes

Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 μm[149.9997 – 249.9995 μin]
Contact Shape & Form	Dual Beam
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	11.5 A

Termination Features

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

Mechanical Attachment

Mating Retention	Without
Mating Alignment Type	Polarized
PCB Mount Retention Type	Locating Post
PCB Mount Alignment Type	Positioning Bosses
PCB Mount Retention	With
PCB Mount Alignment	With



Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Stack Height	22.86 mm, 22.96 mm, 31.9 mm[.9 in][1.255 in]
Connector Width	8.13 mm[.32 in]
Connector Height	22.66 mm[.892 in]
Connector Length	63.45 mm[2.498 in]

Usage Conditions

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

Assembly Process Feature	Vacuum Cover
Circuit Application	Signal

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	21
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 2025 (247)



Candidate List Declared Against: JAN 2025 (247)  
Does not contain REACH SVHC

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	Reflow solder capable to 260°C
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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 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 # 2-5767004-2  
MICTOR RECEPT ASSY, 38 POS.

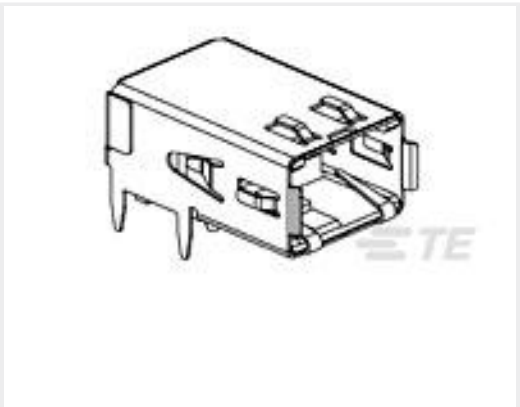
Customers Also Bought



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



TE Part #3-1415020-1  
PT570N20



TE Part #1761072-3  
RECPT,HSSDC2,FIBRE,TRAY PKG



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





TE Part #5-103911-3  
[60 SYSTEM 50 RCPT ASSY DRRA](#)



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



TE Part #1-928836-2  
[MOD2 PIN WITH A-PIN L/P](#)



TE Part #1-1437581-1  
[ASE22RL=AUTOSLIDE DP](#)



TE Part #7-2176246-6  
[CRGS2512 5% 1M8](#)



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

Documents

Product Drawings

[MICT,900PLUG,38,ASSY,.025,REC](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5767017-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5767017-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5767017-1\\_A.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