



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: **114**
Centerline (Pitch): **.64 mm [.025 in]**

Features

Product Type Features

Ground Feature Type	Ground Bus
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	3
Number of Columns	57
Stackable	Yes
Number of Signal Positions	114
PCB Mount Orientation	Vertical
Number of Positions	114
Board-to-Board Configuration	Parallel

Electrical Characteristics

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Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Impedance	50 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

	.002 in[.064 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 μm[149.9997 – 249.9995 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
Contact Mating Area Plating Material Thickness	.76 μm[29.9212 μin]
Contact Type	Pin
Contact Current Rating (Max)	11.5 A

Termination Features

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

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Retention	With
Mating Alignment	With
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	50.8 mm[2 in]
Connector Height	18.47 mm[.727 in]
Connector Width	8.13 mm[.32 in]
Stack Height	18.75 mm, 27.8 mm[1.093 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

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	10
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per



homogenous material. Also BFR/CFR/PVC Free

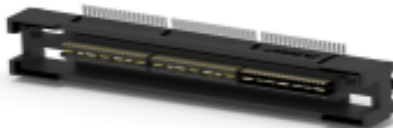
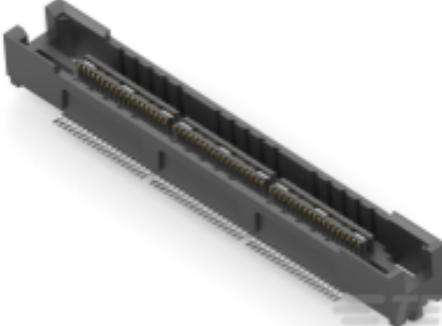
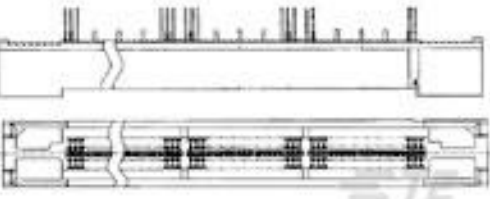
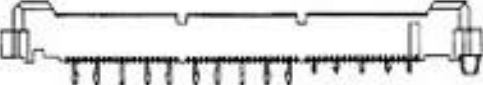
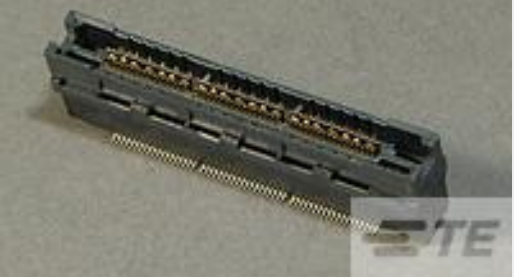
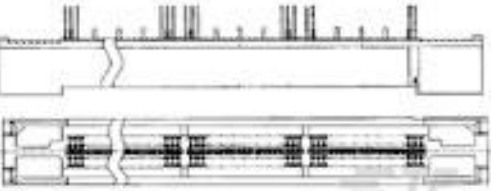
Solder Process Capability

Reflow solder capable to 260°C

Product Compliance Disclaimer

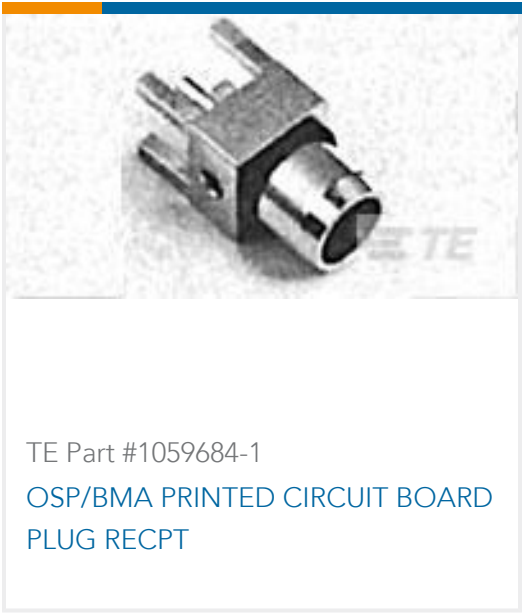
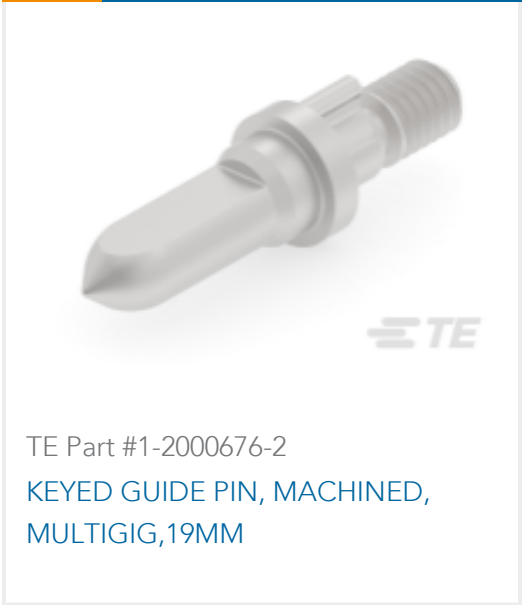
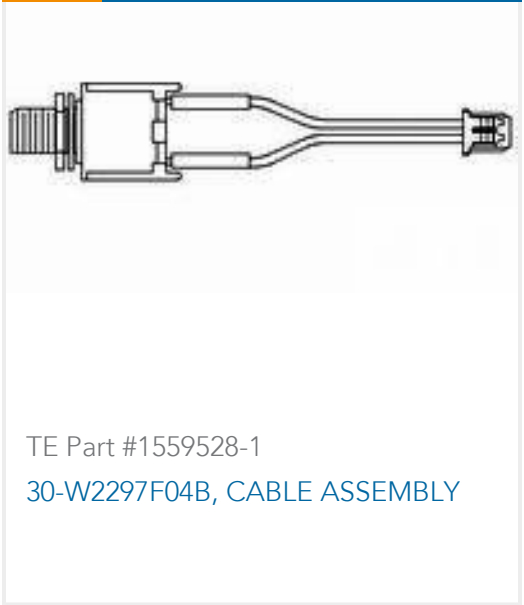
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5767054-3 MICT,RECPT,114,ASSY,PDNI	 TE Part # 2-5767004-4 MICTOR RECEPT ASSY, 114 POS.	 TE Part # 1-5767096-0 MICT,REC,114,ASY,.025,TAPE,CAP	 TE Part # 1-5767115-0 MICT,REC,114,ASY,.025 TAPE PKG
 TE Part # 5767044-3 MICTOR,R/A,RECPT,.062,114,ASY	 TE Part # 5767061-3 MICT,RECPT,114,ASSY,093,PDNI	 TE Part # 5767081-3 MICT,REC,114,ASY,PDNI,BARBLESS	 TE Part # 5767089-3 MICTOR,R/A,RECPT,.093,114,ASY
 TE Part # 5767094-3 MICT,RECPT,114,ASY,PDNI,EXTD	 TE Part # 5767115-3 MICT,REC,114,ASY,.025 TAPE PKG	 TE Part # 5767143-3 MICT,R/A,RCPT,114,ASY,062,30AU	 TE Part # 5767181-3 MICT,RECPT,114,ASSY,PDNI

Customers Also Bought



 TE Part #650947-5 096 EURO TYPE C PIN ST ASSY	 TE Part #1059684-1 OSP/BMA PRINTED CIRCUIT BOARD PLUG RECPT	 TE Part #1-1393194-5 T77S1D3-12	 TE Part #104894-8 80 50/50 GRID RA HDR
 TE Part #9-1879061-9 CPF0402 120K 0.1% 25PPM 5K RL	 TE Part #2118716-2 STD SHIELD FRAME, CRS-16.50X16. 50X3.60MM	 TE Part #5413194-1 BNC, RT ANG, PCB, JACK	 TE Part #2007637-5 SFP+ assy 2x2 Spring Fingers 4 LP Sn
 TE Part #1-2000676-2 KEYED GUIDE PIN, MACHINED, MULTIGIG, 19MM	 TE Part #1559528-1 30-W2297F04B, CABLE ASSEMBLY		

Documents

Product Drawings

MICT,738PLUG,114,ASSY,.025,EXT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5767042-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5767042-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5767042-3_B.3d_stp.zip

English

3D PDF

English



Customer View Model

[ENG_CVM_5767042-3_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5767042-3_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5767042-3_A1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MICTOR Interconnection System](#)

English

[Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors](#)

English

Product Specifications

[Application Specification](#)

English