

MICTOR

TE Part # 5767096-8

TE Internal #: 5767096-8

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **38**

Centerline (Pitch): **.64 mm, 24.003 mm [.945 in]**

Features

Product Type Features

Ground Component Type	Ground Bus
Series	MICTOR
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Header Only
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	1
Number of Rows	2
Number of Columns	19
Stackable	Yes
Number of Signal Positions	38
PCB Mount Orientation	Vertical
Number of Positions	38



Board-to-Board Configuration

Mezzanine

Electrical Characteristics

Operating Voltage	30 VAC
Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Impedance	50 Ω

Signal Characteristics

Differential Signaling	Yes
Data Rate	10 Gb/s

Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 μm[149.9997 – 249.9995 μin]
Mating Post Length	1.6285 mm[.064 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Configuration	Dual Beam
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	Socket
Contact Current Rating (Max)	11.5 A

Termination Features

Termination Post & Tail Length	.76 mm
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Alignment Type	Positioning Bosses
Mating Retention	With
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount



Housing Features

Mating Entry Location	Top
Centerline (Pitch)	.64 mm, 24.003 mm[.945 in]
Housing Color	Black
Housing Material	Matte

Dimensions

Connector Width	6.9 mm[.272 in]
Connector Length	25.4 mm[1 in]
Connector Height	6.096 mm[.24 in]
Row-to-Row Spacing	5.79 mm[.227547 in]
Stack Height	6.6 mm, 9 mm, 10.92 mm, 12.57 mm, 17.96 mm, 18.75 mm, 20 mm, 22.86 mm[.9 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 Flammability Rating	UL 94V-0
Agency/Standard	CSA
CSA Certified	Yes
CSA File Number	1195944
UL File Number	E28476
UL Rating	Listed

Packaging Features

Packaging Quantity	252
Packaging Method	Reel

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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

[Board-to-Board Headers & Receptacles\(24\)](#)

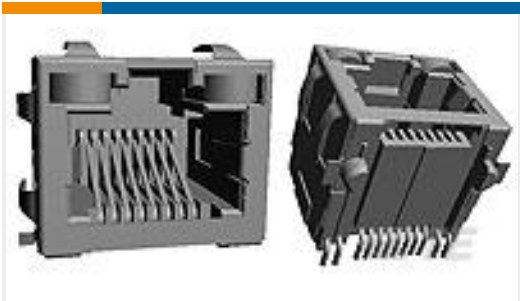
Customers Also Bought

TE Part #2-5767004-2
[MICTOR RECEPT ASSY, 38 POS.](#)

TE Part #5223957-1
[UPM GUIDE MODULE](#)

TE Part #2007263-1
[SFP+ 1x2 Cage Assembly](#)

TE Part #1489951-1
[XFP CAGE ASSEMBLY](#)



TE Part #6339160-1
MJ,RJ45,SMT,SHLD,
PANEL GRD



TE Part #1367073-2
20 POS SMT CONN, SFP,
30AU



TE Part #1489948-2
XFP HEAT SINK CLIP,
PLATED



TE Part #1888247-1
20 POS SMT CONN, SFP
/SFP+, 30A



TE Part #5-146130-4
10 MODII HDR DRST
SFMNT B/A LF



TE Part #5-146130-7
16 MODII HDR DRST
SFMNT B/A LF

Documents

Product Drawings

MICT,REC,038,ASY,.025,TAPE,CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5767096-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5767096-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5767096-8_A.3d_stp.zip

English

Datasheets & Catalog Pages

MICTOR Interconnection System

English

Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance



[MD_5767096-8_0917201816_dmtec](#)

English

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English