

5767089-1 ✓ ACTIVE

## MICTOR

TE Internal #: 5767089-1

PCB Mount Receptacle, Straddle Mount, Board-to-Board, 38 Position, .64 mm [.025 in] Centerline, Fully Shrouded, Gold Flash over Palladium Nickel

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Straddle Mount**

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

### Configuration Features

Number of Power Positions	1
Number of Columns	19
Stackable	No
Number of Signal Positions	38
PCB Mount Orientation	Straddle Mount
Number of Positions	38
Board-to-Board Configuration	Parallel

### Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 M $\Omega$
Impedance	50 $\Omega$



Operating Voltage	30 VAC
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### 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 $\mu$ m[149.9997 – 249.9995 $\mu$ in]
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 Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 $\mu$ m[29.9212 $\mu$ in]
Contact Type	Socket
Contact Current Rating (Max)	11.5 A

### Termination Features

Square Termination Post & Tail Dimension	.2 mm[.008 in]
Termination Post & Tail Length	3.76 mm[.148 in]
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	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

### Housing Features

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

Connector Length	25.4 mm [1 in]
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Connector Height	6 mm [.236 in]
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Connector Width	6.9 mm [.272 in]
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PCB Thickness (Recommended)	2.36 mm [.8 in]
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### 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
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Agency/Standard	CSA, UL
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Approved Standards	CSA 1195944, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	21
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Packaging Type	Box, Tube
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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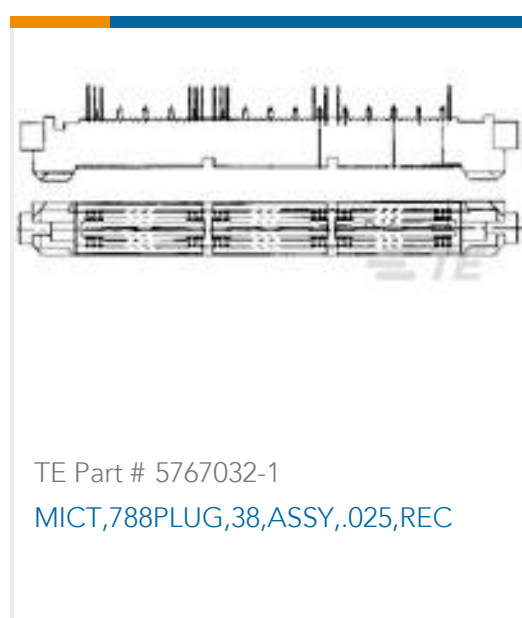
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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## Product Compliance Disclaimer

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 # 5767082-1  
MICT,495,PLUG,038,PDNI,BARBLES



TE Part # 5767116-1  
MICT,260PLG,038,ASY,.025,AUPLT



TE Part # 5767117-1  
MICT,260,PLG,038,ASY,.025,PDNI



TE Part # 5767118-1  
MICT,PLG,038,ASY,.025,TAPE CAP



TE Part # 5767118-8  
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767119-1  
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767119-8  
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767120-1  
MICT,495PLG,038,ASY,.025,AUPLT

## Customers Also Bought



TE Part #2-1761603-5  
IDC LOW PRO HDR 14P VERT BLUE



TE Part #5-794630-0  
20P MICRO MNL ASSY,VRT,HDR,LF



TE Part #4-794630-6  
16P MICRO MNL ASSY,VRT,HDR,LF



TE Part #2-5767004-2  
MICTOR RECEPT ASSY, 38 POS.



TE Part #6-1622826-4  
CRG0402 ZEROHM



TE Part #2327672-1  
RECEPT ASSY, RA, 56 POS, SLIVER 2.0



TE Part #5-2176305-9  
RP 1E 0.1W 432R 0.1% 25PPM 5K RL



TE Part #4-2176364-3  
RQ 0402 12K7 0.1% 10PPM 5K RL



TE Part #6-2176362-9  
RQ 0402 205R 0.1% 10PPM 5K RL



TE Part #2170806-1  
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

## Documents



### Product Drawings

[MICTOR,R/A,RECPT,.093,038,ASY](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5767089-1\\_B.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5767089-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5767089-1\\_B.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[MICTOR Interconnection System](#)

English

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

English

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### Product Specifications

[Application Specification](#)

English