



Connectors > PCB Connectors > PCB 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 mm [.945 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                    | Yes      |
| Number of Signal Positions   | 38       |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 38       |
| Board-to-Board Configuration | Parallel |



Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| 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 |
|-----------------------|-------|

Contact Features

|                                                         |                                         |
|---------------------------------------------------------|-----------------------------------------|
| Contact Mating Area Length                              | 1.63 mm[.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                                            | Socket                                  |
| Contact Current Rating (Max)                            | 11.5 A                                  |

Termination Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in]  |
| Rectangular Termination Post & Tail Width     | .53 mm[.021 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      | With               |



|                         |             |
|-------------------------|-------------|
| PCB Mount Alignment     | With        |
| Connector Mounting Type | Board Mount |

Housing Features

|                       |                         |
|-----------------------|-------------------------|
| Mating Entry Location | Top                     |
| Centerline (Pitch)    | .64 mm, 24 mm [.945 in] |
| Housing Material      | Matte                   |

Dimensions

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| Connector Length            | 25.4 mm [1 in]                                                                |
| Connector Height            | 6.1 mm [.24 in]                                                               |
| Connector Width             | 6.9 mm [.272 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] |
|-----------------------------|-----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 | 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 2024 (240) |



Candidate List Declared Against: JAN 2024 (240)  
Does not contain REACH SVHC

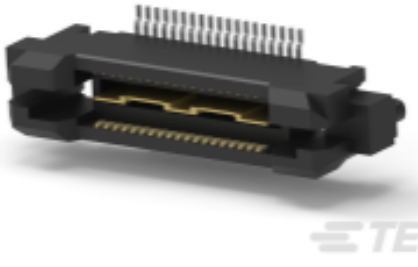
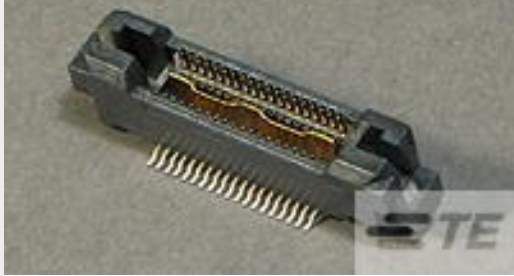
|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
|-----------------|-------------------------------------------------------------------------------------|

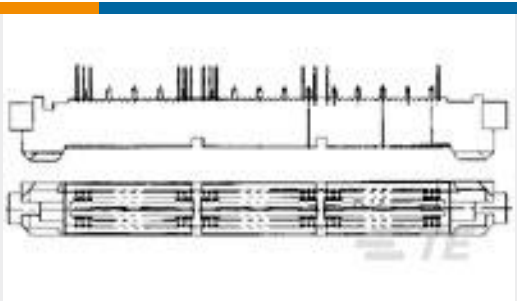
|                           |                                |
|---------------------------|--------------------------------|
| Solder Process Capability | Reflow solder capable to 260°C |
|---------------------------|--------------------------------|

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

|                                                                                                                                                   |                                                                                                                                                  |                                                                                                                                                     |                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 5767005-8<br/>MICT,495PLUG,038,ASSY,.025,REC</p> |  <p>TE Part # 5767007-8<br/>MICT,260PLUG,38,ASSY,.025,REC</p> |  <p>TE Part # 5767056-1<br/>MICT,260,PLUG,38,ASSY,PDNI</p>     |  <p>TE Part # 5767006-1<br/>MICT,R/APLUG,38,ASSY,.025,.062</p> |
|  <p>TE Part # 5767017-1<br/>MICT,900PLUG,38,ASSY,.025,REC</p>  |  <p>TE Part # 5767055-1<br/>MICT,R/APLUG,ASSY,38,PDNI</p>     |  <p>TE Part # 5767111-8<br/>MICT,PLG,038,ASY,.025 TAPE CAP</p> |  <p>TE Part # 5767025-1<br/>MICTOR .707 PLUG ASSY, 38 POS.</p> |



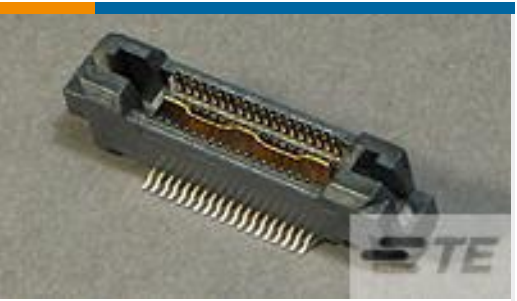
TE Part # 5767032-1  
MICT,788PLUG,38,ASSY,.025,REC



TE Part # 5767057-1  
MICT,495,PLUG,038,PDNI



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



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



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 # 5767121-8  
MICT,PLG,038,ASY,.025,TAPE PKG



TE Part # 5767149-1  
MICTOR PLUG ASSY IN TAPE & REE



TE Part # 5767149-8  
MICTOR PLUG ASSY IN TAPE & REE



TE Part # 5767042-1  
MICT,738PLUG,038,ASSY,.025,EXT

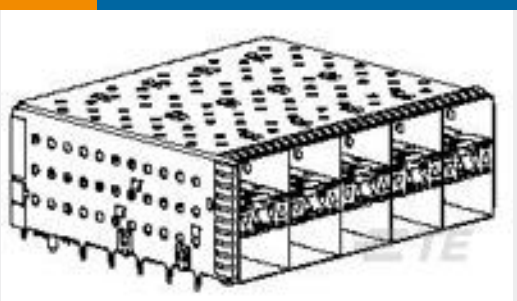
Customers Also Bought



TE Part #6339488-1  
VERTICAL BATTERY CONNECTOR ASSY



TE Part #2299870-3  
THERMAL QSFP+ STACKED REC ASSEMBLY 2X2



TE Part #2132403-5  
2X5 SFP+ w/ Springs, 4 LP Sn



TE Part #4-2333842-1  
QSFP 56GIG 26AWG 0.5 METER



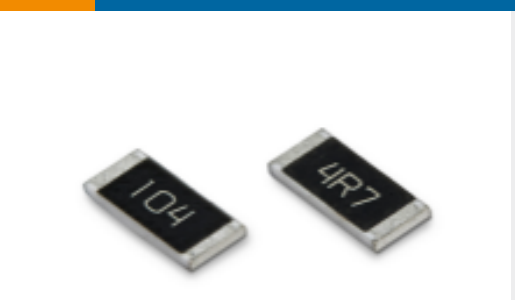
TE Part #5554517-1  
MJ,R/A,8P/8C,KEYED,TRAY PACK



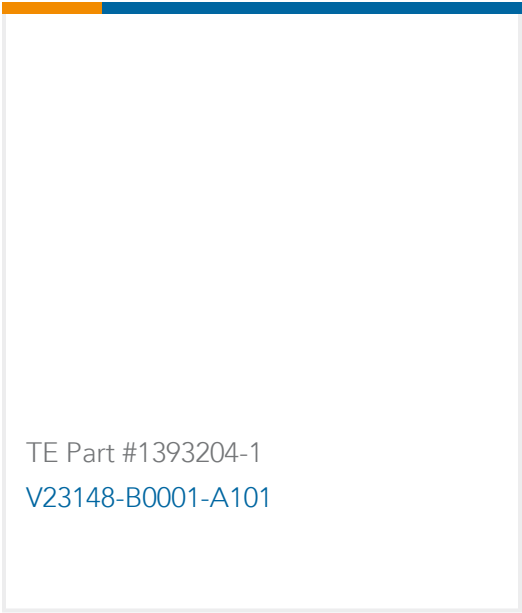
TE Part #1888972-1  
Cage Assy SAN Hsink LP QSFP Thru Bezel



TE Part #1982995-3  
CROWN CLIP JUNIOR SCREW-MOUNT CONN



TE Part #8-2176280-2  
CPF 0402 365K 0.1% 25ppm 5K RL



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

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