

5767171-1 ✓ ACTIVE

MICTOR

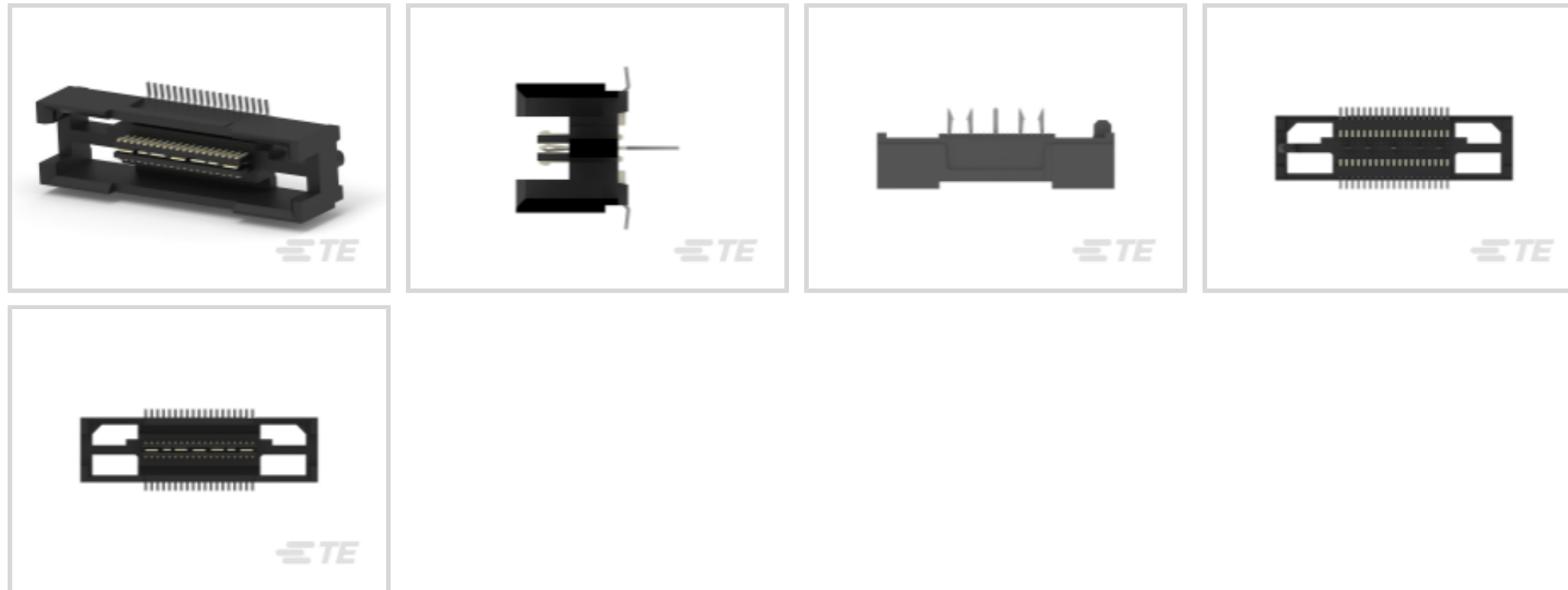
TE Internal #: 5767171-1

PCB Mount Receptacle, Vertical, Board-to-Board, 38 Position, .945 in [24 mm / .64 mm] Centerline, Fully Shrouded, Palladium Nickel, Surface Mount

[View on TE.com >](#)



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 Component 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 | 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 Layout | Inline |
| 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] |
| 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 | Palladium Nickel |
| 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 | Locating Posts |
| 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 | 5.99 mm [.236 in] |
|------------------|-------------------|

| | |
|-----------------|------------------|
| Connector Width | 6.9 mm [.272 in] |
|-----------------|------------------|

| | |
|--------------|---|
| Stack Height | 2.5 mm, 6.6 mm, 9 mm, 10.92 mm, 17.96 mm, 18.75 mm, 20 mm, 22.86 mm [.9 in] |
|--------------|---|

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.57 mm [.8 in] |
|-----------------------------|-----------------|

Usage Conditions

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|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 125 °C [-67 – 257 °F] |
|-----------------------------|-----------------------------|

Operation/Application

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

Industry Standards

| | |
|-----------|--------|
| UL Rating | Listed |
|-----------|--------|

| | |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

| | |
|--------------------|------------------------|
| Approved Standards | CSA 1195944, UL E28476 |
|--------------------|------------------------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 252 |
|--------------------|-----|

| | |
|----------------|------|
| Packaging Type | Tape |
|----------------|------|

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 2022 (224) |
|--|--|



Candidate List Declared Against: JAN 2022
(223)
SVHC > Threshold:
Not Yet Reviewed

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 # 5767005-8
MICT,495PLUG,038,ASSY,.025,REC



TE Part # 5767007-8
MICT,260PLUG,38,ASSY,.025,REC



TE Part # 5767056-1
MICT,260,PLUG,38,ASSY,PDNI



TE Part # 5767006-1
MICT,R/APLUG,38,ASSY,.025,.062



TE Part # 5767017-1
MICT,900PLUG,38,ASSY,.025,REC



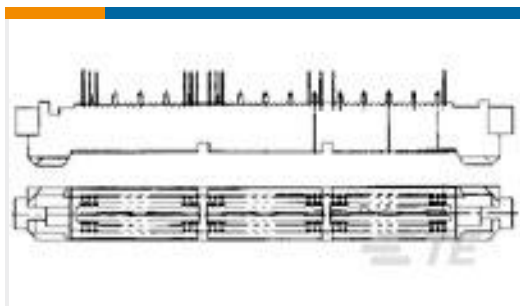
TE Part # 5767055-1
MICT,R/APLUG,ASSY,38,PDNI



TE Part # 5767111-8
MICT,PLG,038,ASY,.025 TAPE CAP



TE Part # 5767025-1
MICTOR .707 PLUG ASSY, 38 POS.



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



TE Part # 5767039-1
MICTOR,RA PLUG,038,.093PCB,ASY



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



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



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

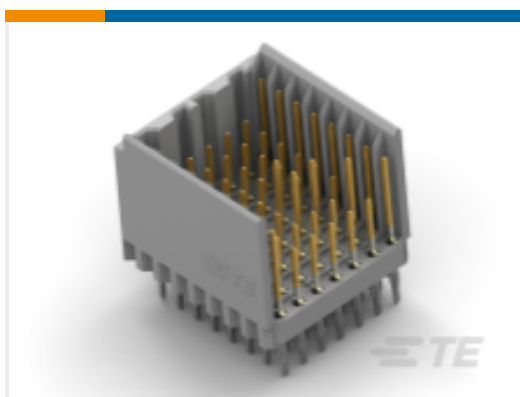


TE Part # 5767119-8
MICT,PLG,038,ASY,.025,TAPE PKG



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

Customers Also Bought



TE Part #2336514-1
2MM HM MALE CONNECTOR, COL 8, M2



TE Part #3-1879208-7
CPF 0402 330R 0.1% 25PPM 1K RL



TE Part #2007181-1
SFP+ 1x2 Cage Assy, EMI Gasket



TE Part #120953-4
UPM EXPANDED RCPT ASSEMBLY



TE Part #5-1879208-7
CPF 0402 2K2 0.1% 25PPM 1K RL



TE Part #2-1879447-9
TE 200W 220R 5% Bracket



TE Part #120957-1
UPM EXPANDED PIN ASSEMBLY



TE Part #2170245-1
HMZD+,3PAIRS,10COLS,VERTICAL, ASSEMBLY



Documents

Product Drawings

[MICTOR RECEPT ASSY, 38 POS. TA](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5767171-1_A.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5767171-1_A.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5767171-1_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

Product Environmental Compliance

[MD_5767171-1_02072018844_dmtec](#)

English

[MD_5767171-1_02072018844_dmtec](#)

English