



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 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 Flash over 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

|                                          |                  |
|------------------------------------------|------------------|
| Square Termination Post & Tail Dimension | .2 mm[.008 in]   |
| Termination Post & Tail Length           | 3.76 mm[.148 in] |
| Termination Method to PCB                | 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 |
|-----------------------|-----|



|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | .64 mm[.025 in] |
| Housing Material   | Matte           |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| Connector Length            | 25.4 mm[1 in]   |
| Connector Height            | 6 mm[.236 in]   |
| Connector Width             | 6.9 mm[.272 in] |
| PCB Thickness (Recommended) | 2.36 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 | 21        |
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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                                                                                                  |

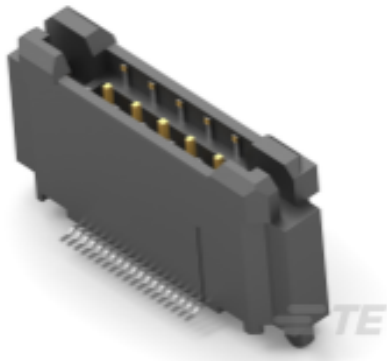
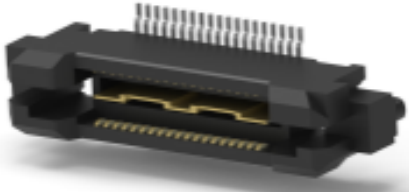
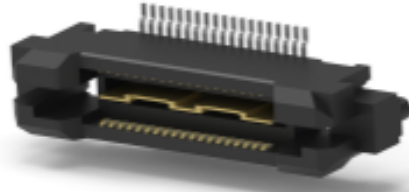
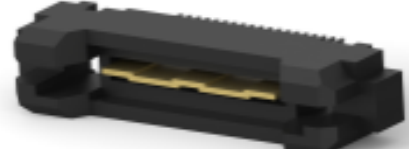
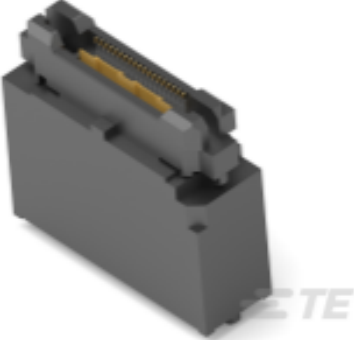
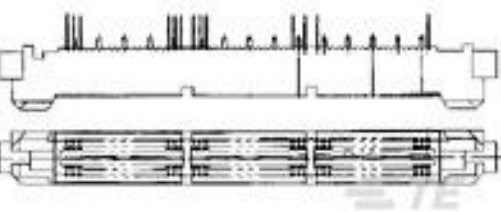




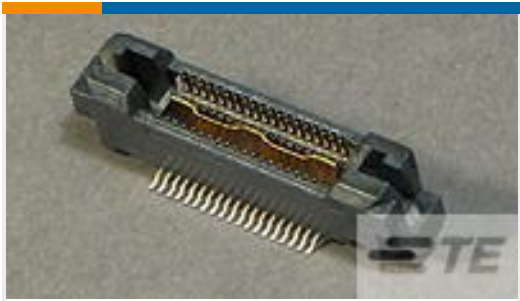
Product Compliance Disclaimer

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>

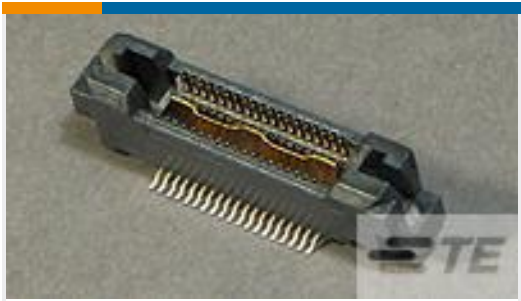
Compatible Parts

|                                                                                                                                                   |                                                                                                                                                  |                                                                                                                                                     |                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <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> |
|  <p>TE Part # 5767032-1<br/>MICT,788PLUG,38,ASSY,.025,REC</p>  |  <p>TE Part # 5767057-1<br/>MICT,495,PLUG,038,PDNI</p>       |  <p>TE Part # 5767082-1<br/>MICT,495,PLUG,038,PDNI,BARBLES</p> |  <p>TE Part # 5767117-1<br/>MICT,260,PLG,038,ASY,.025,PDNI</p> |

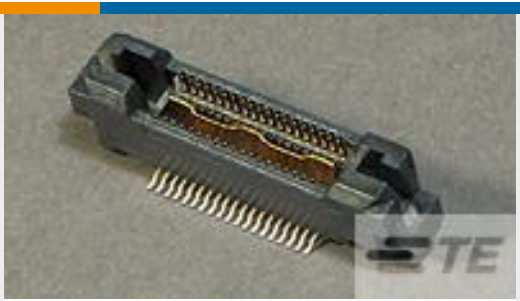




TE Part # 5767118-8  
[MICT,PLG,038,ASY,.025,TAPE PKG](#)



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](#)

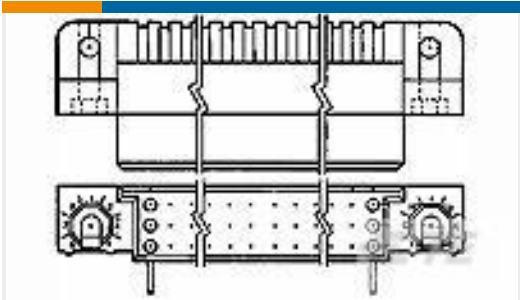


TE Part # 5767149-8  
[MICTOR PLUG ASSY IN TAPE & REE](#)



TE Part # 5767042-1  
[MICT,738PLUG,038,ASSY,.025,EXT](#)

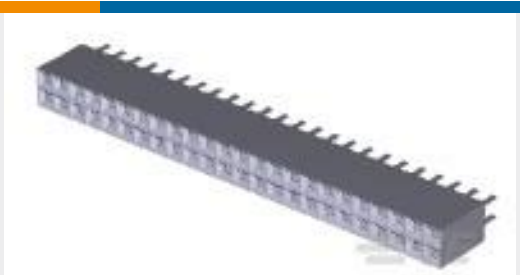
Customers Also Bought



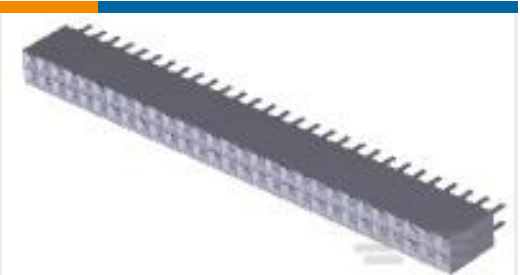
TE Part #533268-6  
[HDI RECP ASSY 3 ROW 135 POS](#)



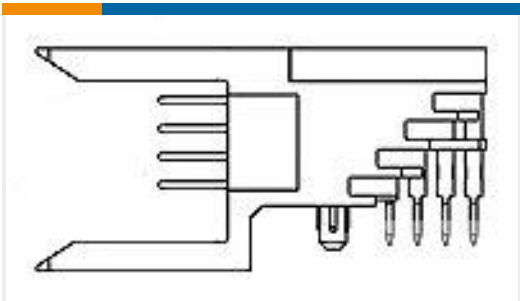
TE Part #YDTS20F21-35ABV001  
[RECP ASSY](#)



TE Part #2-535542-4  
[48 MODIV VRT DR CE 100/130](#)



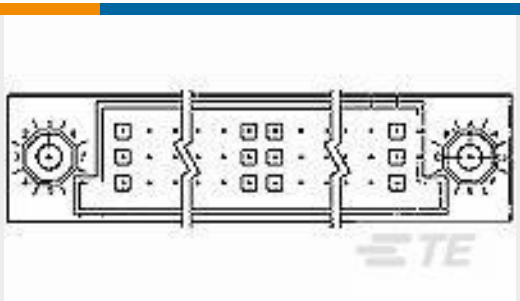
TE Part #2-535542-9  
[58 MODIV VRT DR CE 100/130](#)



TE Part #5223514-2  
[2MM FB,IS,ASY,048,SIG,HDR,SL](#)



TE Part #533270-8  
[HDI PIN ASSY 4 ROW 220 POS](#)



TE Part #5532447-1  
[ASSY,PIN,VERTICAL,HDI,LEAD-FRE](#)



TE Part #3-100145-0  
[Z-PACK/B F-HDR.125P](#)

Documents

Product Drawings

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

English

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

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Datasheets & Catalog Pages

[MICTOR Interconnection System](#)

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

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Product Specifications

[Application Specification](#)

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