



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: **190**

Centerline (Pitch): **.64 mm [ .025 in ]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| 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    | 5        |
| Number of Columns            | 95       |
| Stackable                    | Yes      |
| Number of Signal Positions   | 190      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 190      |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics



|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 500 VAC |
| Insulation Resistance                 | 2 MΩ    |
| Impedance                             | 190 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        |
|                                                         | 4.99999 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         | Without        |
| PCB Mount Retention Type | Boardlock      |
| Mating Alignment         | With           |
| Mating Alignment Type    | Polarized      |



|                         |             |
|-------------------------|-------------|
| PCB Mount Retention     | With        |
| 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 | 76.2 mm[3 in]                                                                |
| Connector Height | 5.99 mm[.236 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] |

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 | 7         |
| 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: JAN 2024 (240) |



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

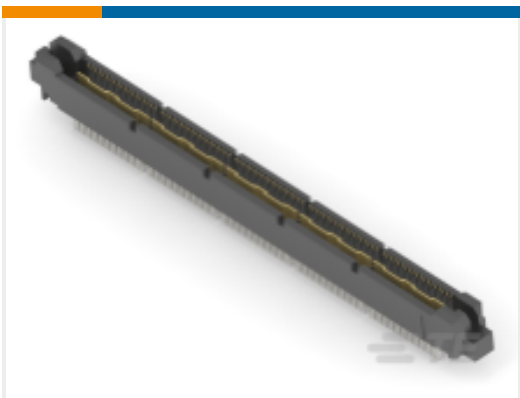
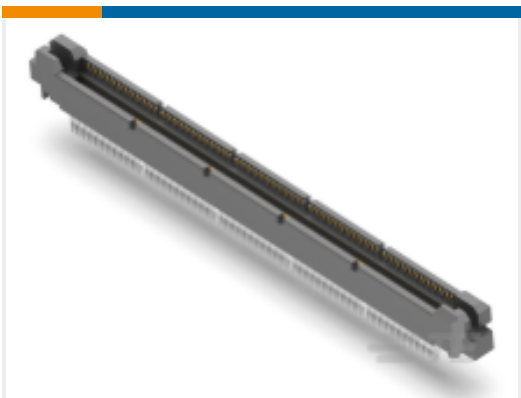
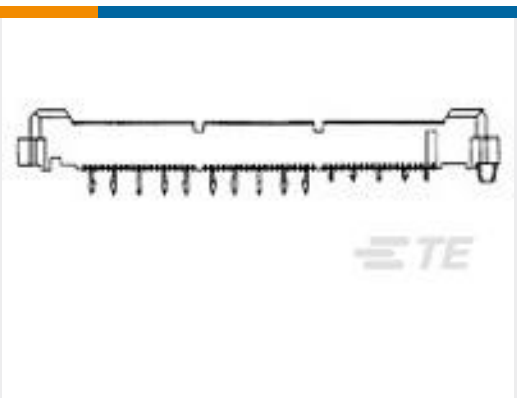
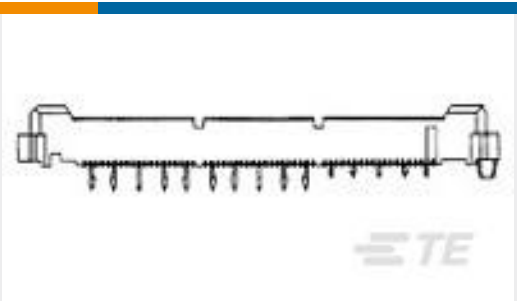
|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC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

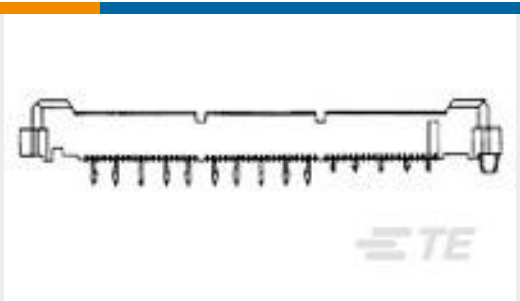
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|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 5767006-5<br/>MICT,R/APLUG,190,ASY,.025,.062</p>   |  <p>TE Part # 5767039-5<br/>MICTOR,RA PLUG,190,.093PCB,ASY</p>   |  <p>TE Part # 1-5767007-2<br/>MICT,260PLUG,190,ASSY,.025,REC</p> |  <p>TE Part # 1-5767005-2<br/>MICT,495PLUG,190,ASSY,.025,REC</p>     |
|  <p>TE Part # 1-5767118-2<br/>MICT,PLG,190,ASY,.025,TAPE PKG</p> |  <p>TE Part # 1-5767119-2<br/>MICT,PLG,190,ASY,.025,TAPE PKG</p> |  <p>TE Part # 1-5767127-2<br/>MICT,PLG,190,ASY,.025,TAPE PKG</p> |  <p>TE Part # 1-5767149-2<br/>MICTOR PLUG ASSY IN TAPE &amp; REE</p> |



TE Part # 5767042-5  
MICT,738PLUG,190,ASSY,.025,EXT



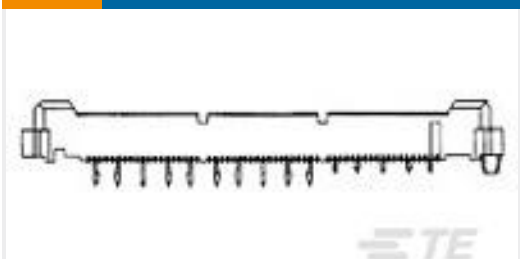
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MICT,260,PLUG,190,ASSY,PDNI



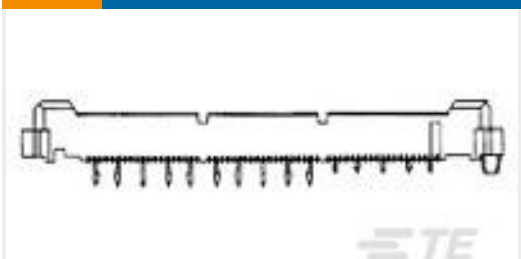
TE Part # 5767082-5  
MICT,495,PLUG,190,PDNI,BARBLES



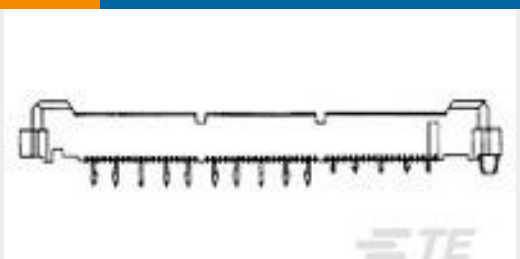
TE Part # 5767111-5  
MICT,PLG,190,ASY,.025 TAPE PKG



TE Part # 5767120-5  
MICT,495PLG,190,ASY,.025,AUPLT



TE Part # 5767127-5  
MICT,REC,190,ASY,.025 TAPE PKG



TE Part # 5767149-5  
MICT,495,PLG,190,TAPE,CAP



TE Part # 2007649-5  
MICT,SMT,260,PLUG,190,ASSY,PDNI

Customers Also Bought



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



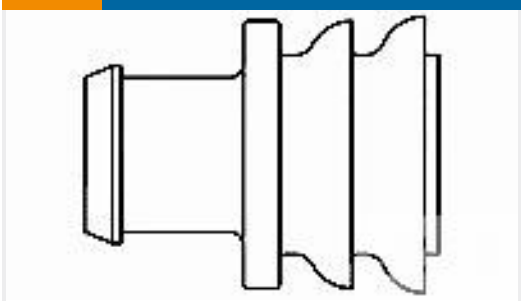
TE Part #W2S  
Wedgelocks: DEUTSCH DT



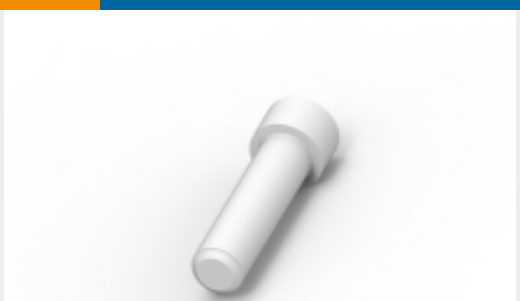
TE Part #0460-202-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

MICT,RECPT,190,ASSY,PDNI

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5767054-5\_O.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5767054-5\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5767054-5\\_O.3d\\_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG\\_CVM\\_5767054-5\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5767054-5\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5767054-5\\_O.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

MICTOR Interconnection System

English

Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors

English

Product Specifications

Application Specification

English