



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Hermaphroditic Connector**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **10**

Number of Rows: **1**

Features

Product Type Features

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Connector Shape                   | Rectangular                        |
| PCB Connector Type                | PCB Mount Hermaphroditic Connector |
| Connector System                  | Board-to-Board                     |
| Header Type                       | Fully Shrouded                     |
| Sealable                          | No                                 |
| Connector & Contact Terminates To | Printed Circuit Board              |
| Connector Product Type            | Connector Assembly                 |

Configuration Features

|                              |               |
|------------------------------|---------------|
| Number of Columns            | 10            |
| Number of Loaded Positions   | 10            |
| Stacking Configuration       | Stack Through |
| Board-to-Board Configuration | Parallel      |
| Stackable                    | Yes           |
| PCB Mount Orientation        | Vertical      |



|                     |    |
|---------------------|----|
| Number of Positions | 10 |
| Number of Rows      | 1  |

Electrical Characteristics

|                                       |          |
|---------------------------------------|----------|
| Dielectric Withstanding Voltage (Max) | 500 Vrms |
|---------------------------------------|----------|

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                               |                |
|-----------------------------------------------|----------------|
| Contact Layout                                | Inline         |
| Contact Base Material                         | Copper Alloy   |
| PCB Contact Termination Area Plating Material | Tin            |
| Contact Mating Area Plating Material          | Gold (Au)      |
| Contact Type                                  | Hermaphroditic |
| Contact Current Rating (Max)                  | 2.7 A          |

Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Retention Type | Location Peg   |
| PCB Mount Alignment Type | Locating Posts |
| PCB Mount Retention      | Without        |
| PCB Mount Alignment      | With           |
| Connector Mounting Type  | Board Mount    |
| Mating Alignment         | With           |

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Top            |
| Housing Material      | PPA            |
| Centerline (Pitch)    | .8 mm[.031 in] |

Dimensions

|                  |                   |
|------------------|-------------------|
| Stack Height     | 5 mm[.197 in]     |
| Connector Width  | 3.9 mm[.153 in]   |
| Connector Height | 4.55 mm[.179 in]  |
| Connector Length | 10.36 mm[.409 in] |

Usage Conditions



|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -50 – 125 °C[-58 – 257 °F] |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                                             |          |
|---------------------------------------------|----------|
| Compatible With Agency/Standards Products   | DIN, UL  |
| Industry Standard                           | IEC      |
| Compatible With Approved Standards Products | UL       |
| UL Flammability Rating                      | UL 94V-0 |

Packaging Features

|                         |                  |
|-------------------------|------------------|
| Packaging Reel Diameter | 330 mm[12.99 in] |
| Packaging Quantity      | 1300             |
| Packaging Method        | Tape & 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 2025 (247)<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                     | Not reviewed for solder process capability                                                                                     |

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



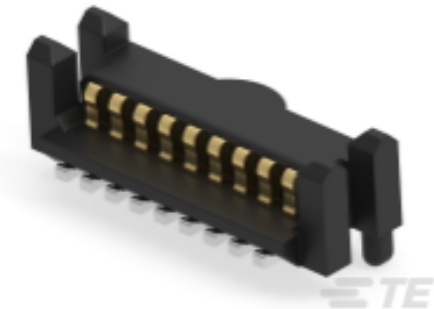


requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

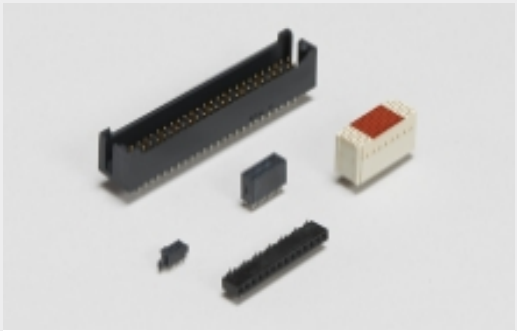


TE Part # 354000-E  
MICROS STV 54 407 188 9999 0007 J 3 3540

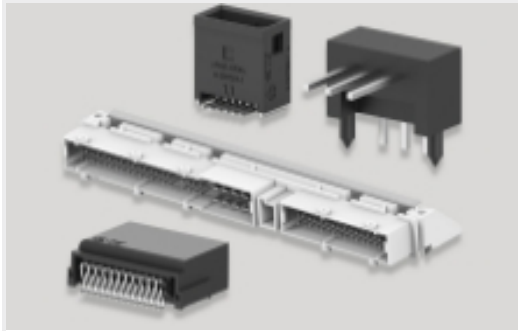


TE Part # 224920-E  
MICROS STV 9 407 188 \* 0007 J 3 224920 M

Also in the Series | ERNI MicroStac



Board-to-Board Headers & Receptacles(9)

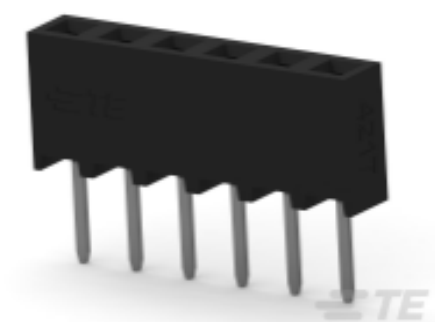


PCB Headers & Receptacles(9)

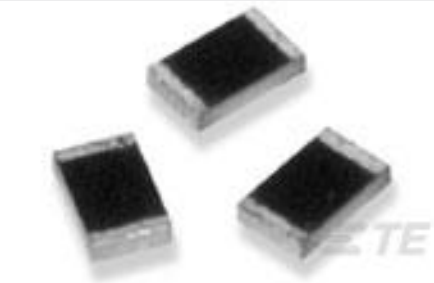


Rectangular Power Connectors(9)

Customers Also Bought



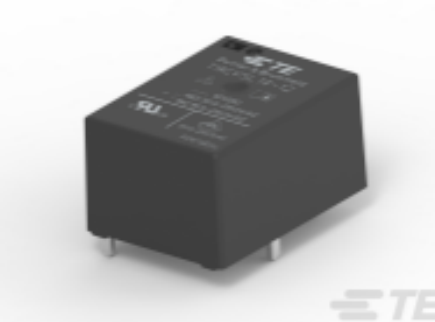
TE Part #2314868-6  
6P,2MM,BB,REC,SRVT,2.0,0.1AU,TB,W /CP



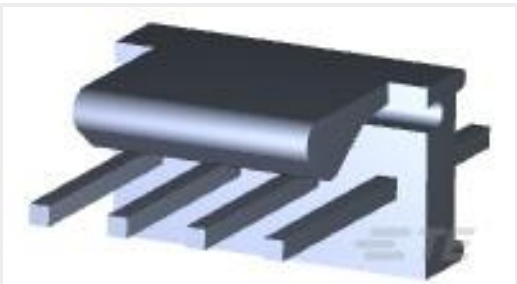
TE Part #4-1879280-9  
RP 2A 205K 0.1% 15PPM CUT LENGTH



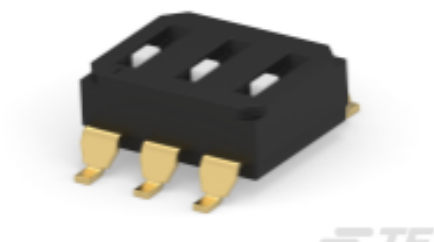
TE Part #640457-3  
03P MTA100 HDR ASSY SQ R/A F/L



TE Part #1558660-4  
T9GV5L14-15



TE Part #640456-4  
04P MTA100 HDR ASSY F/L SQ STR



TE Part #2-2319848-4  
END STACK DIP 3P G RECESSEALTUBE



TE Part #1879215-4  
CPF 0402 4K32 0.1% 25PPM 1K RL



TE Part #5-487508-6  
TRIOMATE ASY H 7P L=3.175,LDFR



Documents

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_354863-E\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_354863-E\\_1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_354863-E\\_1.2d\\_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[Datasheet - ERNI MicroStac 0.8mm Connectors](#)

English

[Datasheet - ERNI MicroStac 0.8mm Connectors](#)

German