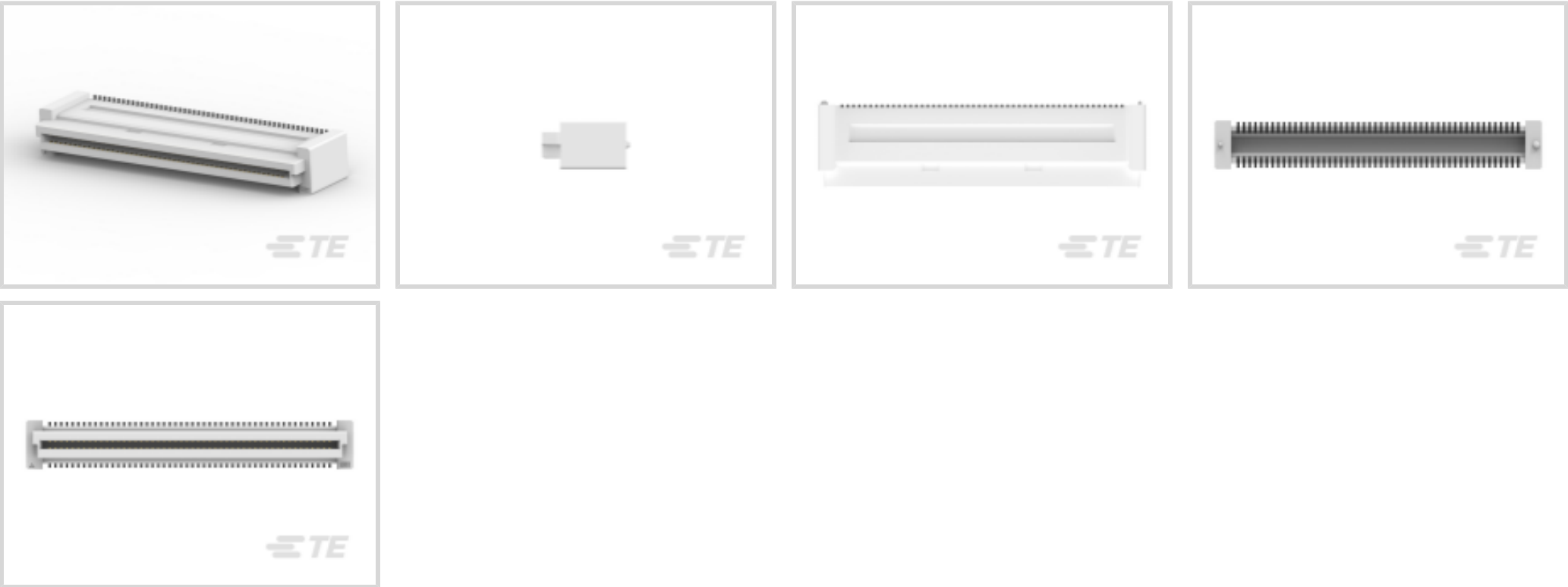




Free Height

TE Internal #: 5-5179010-4  
PCB Mount Receptacle, Vertical, Board-to-Board, 100 Position, .8 mm [.031 in] Centerline, Gold (Au), Surface Mount, Signal, Natural, Free Height  
[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Receptacle Conn: Board-Board, Vertical, 100, 0.8mm



PCB Connector Type: **PCB Mount Receptacle**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **100**  
Centerline (Pitch): **.8 mm [.031 in]**

[All Free Height Receptacle Conn: Board-Board, Vertical, 100, 0.8mm \(24\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Type                | PCB Mount Receptacle  |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                              |          |
|------------------------------|----------|
| Board-to-Board Configuration | Parallel |
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 100      |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 100 VAC |
|-------------------|---------|



|                                       |         |
|---------------------------------------|---------|
| Insulation Resistance                 | 2 MΩ    |
| Dielectric Withstanding Voltage (Max) | 500 VAC |

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Finish    | Matte           |
| Contact Mating Area Plating Material Thickness          | .2 μm[8 μin]    |
| Mating Tab Width                                        | .4 mm[.016 in]  |
| PCB Contact Termination Area Plating Material Thickness | 2 μm[78.74 μin] |
| Contact Layout                                          | Inline          |
| Contact Base Material                                   | Copper Alloy    |
| Mating Tab Thickness                                    | .2 mm[.008 in]  |
| PCB Contact Termination Area Plating Material           | Tin             |
| Contact Mating Area Plating Material Finish             | Matte           |
| Contact Mating Area Plating Material                    | Gold (Au)       |
| Contact Type                                            | Socket          |
| Contact Current Rating (Max)                            | .5 A            |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Width     | .3 mm[.012 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Termination Method to PCB                     | Surface Mount  |

Mechanical Attachment

|                                   |                    |
|-----------------------------------|--------------------|
| Mounting Alignment Feature Length | .5 mm[.02 in]      |
| Mating Alignment Type             | Polarization       |
| PCB Mount Alignment Type          | Positioning Bosses |
| PCB Mount Retention               | Without            |
| PCB Mount Alignment               | With               |
| Connector Mounting Type           | Board Mount        |
| Mating Alignment                  | With               |

Housing Features

|                       |       |
|-----------------------|-------|
| Mating Entry Location | Top   |
| Housing Material      | Matte |
|                       |       |



|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | .8 mm[.031 in] |
|--------------------|----------------|

Dimensions

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Stack Height     | 13 mm, 14 mm, 15 mm, 16 mm[.512 in][.551 in][.591 in][.63 in] |
| Connector Height | 13 mm[.512 in]                                                |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |

Operation/Application

|                          |        |
|--------------------------|--------|
| Assembly Process Feature | None   |
| Circuit Application      | Signal |

Industry Standards

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

Packaging Features

|                    |           |
|--------------------|-----------|
|                    | .5 in     |
| Packaging Quantity | 500       |
| 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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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

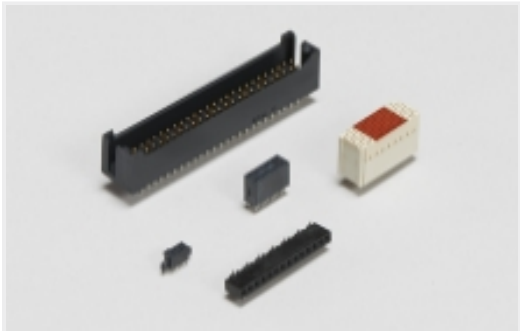


TE Part # CAT-313-PCB100  
Free Height Plug Connector: Board-Board, Vertical, 100, 0.8mm

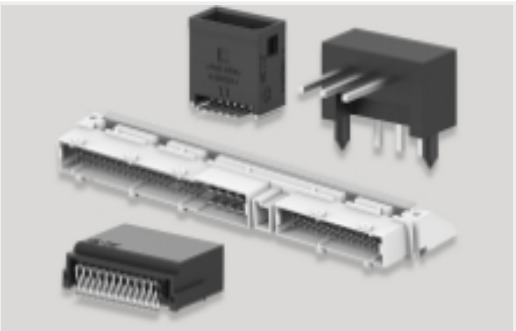


TE Part # 84615-4  
0.8FH,P06H.5,100,30/SP,TU

### Also in the Series | Free Height



Board-to-Board Headers & Receptacles(747)



PCB Headers & Receptacles(747)

### Customers Also Bought



TE Part #1825967-1  
FSMCDH=6.0mm Tact W/SQ Act. & High Temp



TE Part #3-338310-2  
15POS.HD20 PLUG ASS'Y

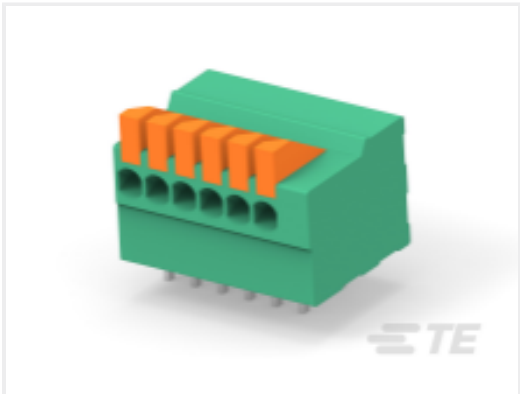


TE Part #9-1879208-3  
CPF 0402 68K 0.1% 25PPM 1K RL

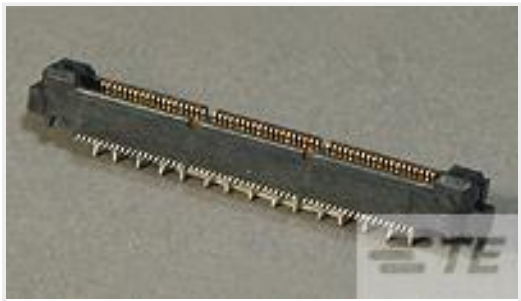


TE Part #064710-E  
FRAEZT 15,2 E160 \* 016 \* J 1 64587 FUEHR

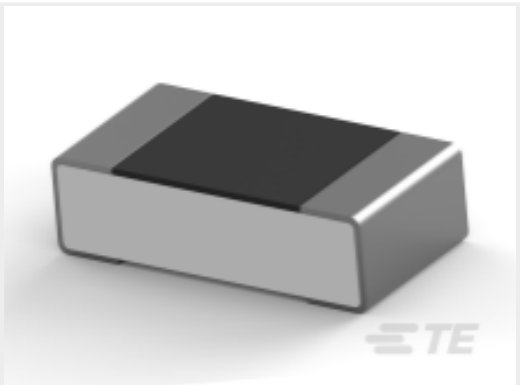




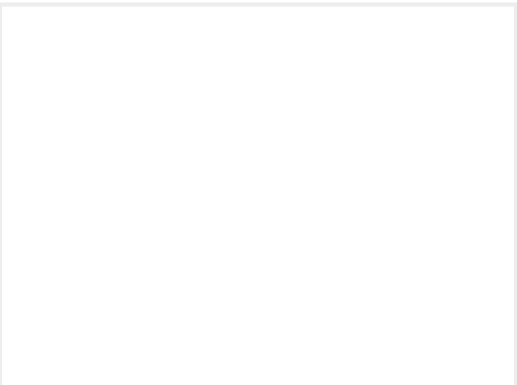
TE Part #1-2834016-6  
6POS 2.54MM SES CONN.



TE Part #1-5767007-0  
MICT,260PLUG,114,ASSY,.025,REC



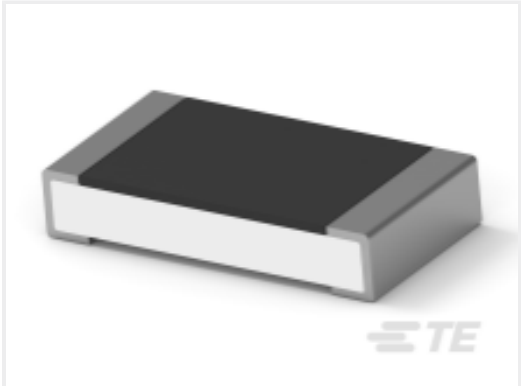
TE Part #7-2176367-0  
RQ 0603 24K3 0.1% 10PPM 1K RL



TE Part #284185-E  
STVE 160 F ABCDE VVVV 7-00 EEUE  
13,0 \*



TE Part #2176246-1  
CRGS2512 5% 1R0



TE Part #8-2176391-0  
RQ 1206 82K5 0.1% 10PPM 5K RL

Documents

Product Drawings  
0.8FH,R13H.5,100,08/Sn,TU

English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_5-5179010-4\_O.2d\_dxf.zip

English

3D PDF

3D

Customer View Model  
ENG\_CVM\_CVM\_5-5179010-4\_O.3d\_igs.zip

English

Customer View Model  
ENG\_CVM\_CVM\_5-5179010-4\_O.3d\_stp.zip

English

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

Datasheets & Catalog Pages  
Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specifications  
Product Specification

English

Product Specification

English

5-5179010-4

PCB Mount Receptacle, Vertical, Board-to-Board, 100 Position, .8 mm [.031 in]  
Centerline, Gold (Au), Surface Mount, Signal, Natural, Free Height

