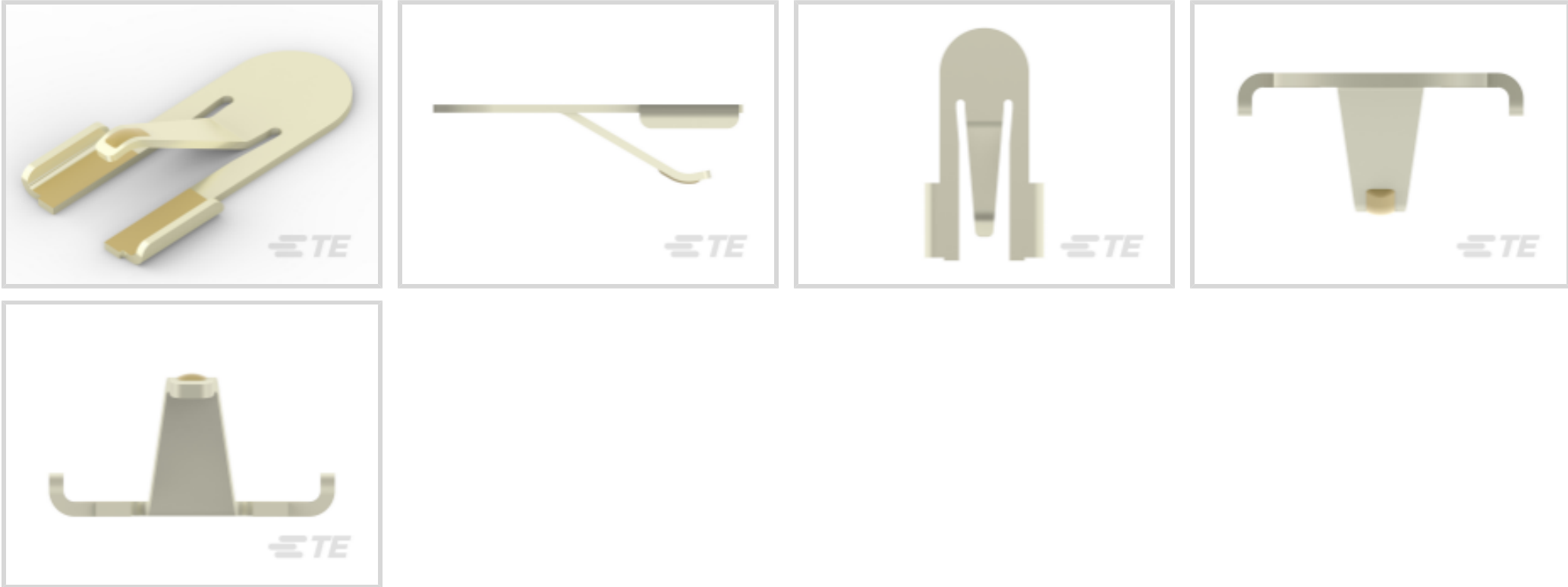




TE Internal #: 2199248-4  
C-Clip PCB Spring Contact, Scalable, Side Protected,  
Uncompressed Height 1 mm [.039 in], Length 3.9 mm [.154 in],  
Width 2 mm [.079 in]  
[View on TE.com >](#)

Connectors > Contacts > PCB Spring Contacts



Spring Finger Type: **C-Clip**  
Scalable: **Yes**  
Side Protected: **Yes**  
Uncompressed Height: **1 mm [.039 in]**  
Product Length: **3.9 mm [.154 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Board-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |
| Spring Finger Type                | C-Clip                |
| Scalable                          | Yes                   |

Configuration Features

|                     |     |
|---------------------|-----|
| Number of Positions | 1   |
| Side Protected      | Yes |

Contact Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Contact Underplating Material                 | Nickel          |
| PCB Contact Termination Area Plating Material | Gold            |
| Contact Base Material                         | Stainless Steel |
| Contact Working Range (Low)                   | .4 mm[.016 in]  |
| Contact Working Range (High)                  | .8 mm[.031 in]  |
| Point of Contact Area Plating Material        | Gold            |



|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 2 A |
|------------------------------|-----|

Dimensions

|                     |                 |
|---------------------|-----------------|
| Uncompressed Height | 1 mm[.039 in]   |
| Product Length      | 3.9 mm[.154 in] |
| Product Width       | 2 mm[.079 in]   |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

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

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 11000       |
| Packaging Method   | Tape & Reel |

Product Compliance

For compliance documentation, visit the product page on TE.com>

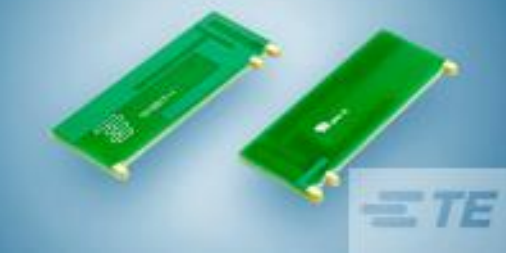
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: 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                     | 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

|                                                                                                                                                         |                                                                                                                                                        |                                                                                                                                                              |                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 2118310-1<br/>4G World Band, MetaSpan, Tab Mt. PCB</p>   |  <p>TE Part # 1513430-2<br/>PCB ANTENNA SINGLE BAND BULK PKGD</p>     |  <p>TE Part # 2108784-2<br/>PCB ANTENNA, SMD, 698-6000MHz</p>             |  <p>TE Part # 2118614-1<br/>ANTENNA, LTE, METASPAN, PCB, TAB MOUNT</p>    |
|  <p>TE Part # 2118903-1<br/>LTE/Cell Band Antenna</p>                 |  <p>TE Part # 2118908-1<br/>PCB WLAN TRIPLE BAND BULK PACKAGED</p>   |  <p>TE Part # 2118908-2<br/>PCB,WLAN TRIPLE BAND TAPE AND REELED</p>     |  <p>TE Part # 2195728-1<br/>LTE + GNSS ANTENNA</p>                       |
|  <p>TE Part # 2118016-1<br/>PCB ANTENNAS, WLAN DUAL BAND</p>         |  <p>TE Part # 1513431-2<br/>PCB ANTENNA SINGLE BAND BULK PKG</p>    |  <p>TE Part # 1513431-1<br/>PCB ANTENNA SINGLE BAND TAPE AND REELED</p> |  <p>TE Part # 1513430-1<br/>PCB ANTENNA SINGLE BAND TAPE AND REELED</p> |
|  <p>TE Part # 1513156-1<br/>PCB ANTENNA TAPE &amp; REELED PACKED</p> |  <p>TE Part # 1513156-2<br/>PCB SINGLE BAND ANTENNA BULK PACKED</p> |  <p>TE Part # 1513168-1<br/>PCB Antenna Single Band</p>                 |  <p>TE Part # 1513169-1<br/>PCB ANTENNA SINGLE BAND</p>                 |
|  <p>TE Part # 1513273-1<br/>PCB Antenna DUAL BAND US EU</p>          |  <p>TE Part # 1513317-1<br/>PCB ANTENNA PENTA BAND</p>             |  <p>TE Part # 1513353-1<br/>PCB ANTENNA SINGLE BAND</p>                 |  <p>TE Part # 1513247-1<br/>PCB US DUAL BAND ANTENNA</p>                |

Customers Also Bought







TE Part #EL6588-000  
RBK-105-KIT-0102-A0



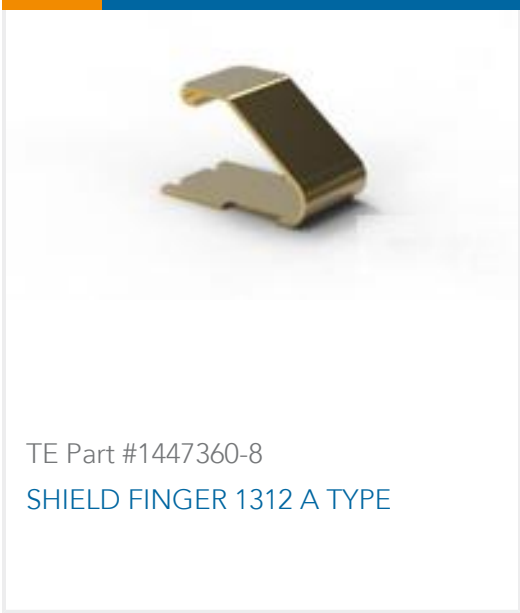
TE Part #6650383-1  
284-0102-11300=CONN,SKT,COMP



TE Part #86479-3  
10 MODII HDR DRRA UNSHRD .100



TE Part #6651290-1  
284-0112-11300=TA CONN,SKT,COM



TE Part #1447360-8  
SHIELD FINGER 1312 A TYPE



TE Part #1565322-1  
SHIELD FINGER 1608



TE Part #41532  
250 FASTON FLAG REC 18-12 AWG  
TPBR



TE Part #1565749-3  
025 4POS CAP ASSY



TE Part #1939403-3  
0.64 SMD 8P CAP ASSY V-TYPE



TE Part #8-2176451-0  
CPF 0201 332R 0.1% 25ppm 1K RL

Documents

Product Drawings

Shield Finger, Loose Piece, Type A, 1.0h

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2199248-4\_A3.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2199248-4\_A3.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2199248-4\_A3.3d\_stp.zip

English

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

Product Specifications

2199248-4

C-Clip PCB Spring Contact, Scalable, Side Protected, Uncompressed Height 1 mm [.039 in], Length 3.9 mm [.154 in], Width 2 mm [.079 in]



Product Specification

English