

2199001-1 ✓ ACTIVE

TE Internal #: 2199001-1

PCB Spring Contact, Preloaded - C-Clip, Side Protected,
Uncompressed Height 1.2 mm [.047 in], Length .094 in [2.4 mm],
Width 1.05 mm [.041 in]

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Connectors > PCB Connectors > Board-to-Board Connectors > PCB Spring Contacts



Spring Finger Type: **Preloaded - C-Clip**

Scalable: **No**

Side Protected: **Yes**

Uncompressed Height: **1.2 mm [.047 in]**

Contact Length: **2.4 mm [.094 in]**

Features

Product Type Features

Spring Finger Type	Preloaded - C-Clip
Scalable	No
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Side Protected	Yes
Number of Positions	1

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Length	2.4 mm[.094 in]
Contact Width	1.05 mm[.041 in]
Contact Working Range (Low)	.7 mm[.028 in]
Contact Working Range (High)	1 mm[.039 in]
Point of Contact Area Plating Material	Gold
Contact Current Rating (Max)	1.5 A

Dimensions



Uncompressed Height	1.2 mm[.047 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	8000
Packaging Method	Tape & Reel

Product Compliance

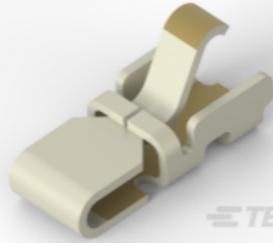
[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1513431-2 PCB ANTENNA SINGLE BAND BULK PKG</p>	 <p>TE Part # 1513431-1 PCB ANTENNA SINGLE BAND TAPE AND REELED</p>	 <p>TE Part # 2118310-1 4G World Band, MetaSpan, Tab Mt. PCB</p>	 <p>TE Part # 1513430-1 PCB ANTENNA SINGLE BAND TAPE AND REELED</p>
 <p>TE Part # 1513156-1 PCB ANTENNA TAPE & REELED PACKED</p>	 <p>TE Part # 1513168-1 PCB Antenna Single Band</p>	 <p>TE Part # 1513430-2 PCB ANTENNA SINGLE BAND BULK PKGD</p>	 <p>TE Part # 2118614-1 ANTENNA, LTE, METASPAN, PCB, TAB MOUNT</p>
 <p>TE Part # 2118908-1 PCB WLAN TRIPLE BAND BULK PACKAGED</p>	 <p>TE Part # 2118908-2 PCB, WLAN TRIPLE BAND TAPE AND REELED</p>	 <p>TE Part # 2195728-1 LTE + GNSS ANTENNA</p>	 <p>TE Part # 2118903-1 LTE/Cell Band Antenna</p>
 <p>TE Part # 2134078-1 SHILED FINGER 1210 EMBOSS PACKING</p>	 <p>TE Part # 1513156-2 PCB SINGLE BAND ANTENNA BULK PACKED</p>	 <p>TE Part # 1513169-1 PCB ANTENNA SINGLE BAND</p>	 <p>TE Part # 1513273-1 PCB Antenna DUAL BAND US EU</p>
 <p>TE Part # 1513317-1 PCB ANTENNA PENTA BAND</p>	 <p>TE Part # 1513353-1 PCB ANTENNA SINGLE BAND</p>	 <p>TE Part # 2118016-1 PCB ANTENNAS, WLAN DUAL BAND</p>	 <p>TE Part # 1513247-1 PCB US DUAL BAND ANTENNA</p>

Documents

Product Drawings

SHIELD FINGER 1210 EMBOSS PACKING



English

CAD Files

Customer View Model

[ENG_CVM_CVM_2199001-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2199001-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199001-1_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English