

1903646-1 ✓ ACTIVE

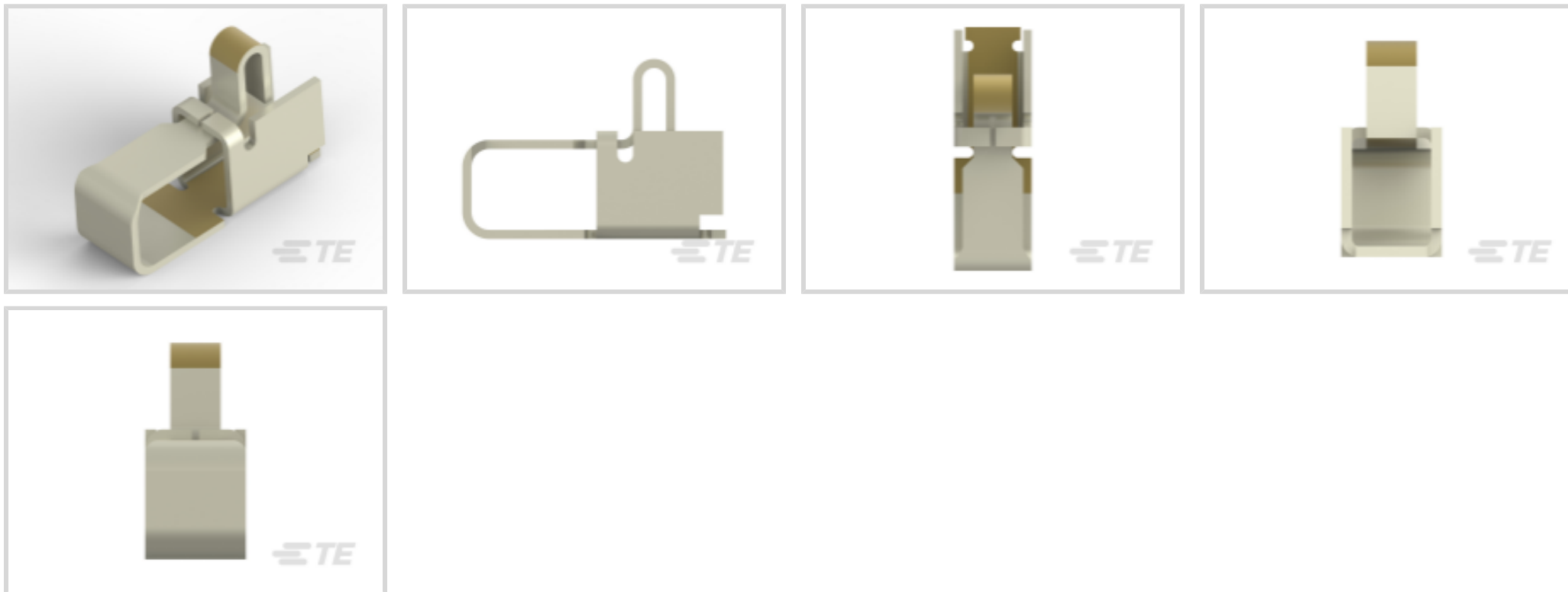
TE Internal #: 1903646-1

PCB Spring Contact, Preloaded - C-Clip, Side Protected,
Uncompressed Height 3 mm [.118 in], Length .173 in [4.4 mm],
Width 1.4 mm [.055 in]

[View on TE.com >](#)



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



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

Scalable: **No**

Side Protected: **Yes**

Uncompressed Height: **3 mm [.118 in]**

Contact Length: **4.4 mm [.173 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	4.4 mm[.173 in]
Contact Width	1.4 mm[.055 in]



Contact Working Range (Low)	2 mm [.079 in]
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Contact Working Range (High)	2.8 mm [.11 in]
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Point of Contact Area Plating Material	Gold
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Contact Current Rating (Max)	1.5 A
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Dimensions

Uncompressed Height	3 mm [.118 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	2500
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Packaging Method	Tape & Reel
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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 # 3-2199250-3
Shield Finger, Loose Piece, Type C, 3.2 h



TE Part # 2305018-2
USB TYPE C, REC IPX8 ON BOARD DUAL SMT

Customers Also Bought



TE Part #1551576-5
Shield Finger, 3.4mm



TE Part #1565322-1
SHIELD FINGER 1608



TE Part #1674954-1
SHIELD FINGER 2026 WITH TAPE



TE Part #1565158-1
SHIELD FINGER 1511



TE Part #2108693-4
1.1H SPRING FINGER WITH EMBOSS



TE Part #2108614-5
2.7H SPRING FINGER WITH EMBOSS



TE Part #1554901-1
SHIELD FINGER 2011 EMBOSS PACKING



TE Part #1734300-1
SHIELD FINGER 3025-Z1-T



TE Part #2199248-5
SHIELD FINGER, LOOSE PIECE, TYPE A, 1.3H



TE Part #2329497-2
SPRING FINGER 1.15H

Documents

Product Drawings

SHIELD FINGER 3014 LOW FORCE

Japanese



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1903646-1_A1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903646-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903646-1_A1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

Spring Fingers Quick Reference Guide

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English