

1871731-1 ✓ ACTIVE

[Dynamic Series](#) | [Dynamic 1000 Series](#)

TE Internal #: 1871731-1

Receptacle Contact, Pre-Tin, 250 VAC, 250 VDC, 22 – 18 AWG, .34 – .86 mm<sup>2</sup> Wire, Crimp, Copper Alloy, Signal, Dynamic 1000 Series

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts > Contact: Component To Wire; 3-5A, 30-18 Wire Size



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Pre-Tin**

Operating Voltage: **250 VDC**

Wire Size: **22 – 18 AWG**

[All Contact: Component To Wire; 3-5A, 30-18 Wire Size \(30\)](#)

## Features

### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Contact Orientation	Straight
Mating Tab Thickness	.5 mm[.02 in]
Barrel Type	Open
Mating Tab Width	.7 mm[.027 in]
Contact Length	8.6 mm[.338 in]
Contact Type	Receptacle
Contact Mating Area Plating Material	Pre-Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	5 A

### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable



### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Compatible Insulation Diameter Range	1.4 – 2.2 mm [.055 – .087 in]
Wire Size	.34 – .86 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Method	Reel & Box
Packaging Quantity	6000

### 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) Candidate List Declared Against: JAN 2025 (247) 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 applicable 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 # 2151083-2  
OCEAN\_2.0\_APPLICATOR-S-055F070F-RSA



**KIT**  
REPRESENTATION ONLY

TE Part # 7-2151083-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-055F070F



TE Part # 2255142-1  
MINI SAHT D1000-2L



TE Part # 2151083-1  
OCEAN\_2.0\_APPLICATOR-S-055F070F-RSM




TE Part # 1891526-1  
EXTRACTION TOOL FOR DYNAMIC 1000 SERIES

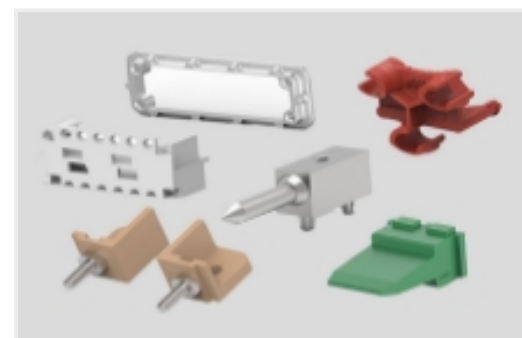


TE Part # 2305570-1  
Strip Terminal Cutter-Side Feed-No Crimp


## Also in the Series | Dynamic 1000 Series




Connector Contacts(40)



Connector Hardware(3)




Power Contacts(9)



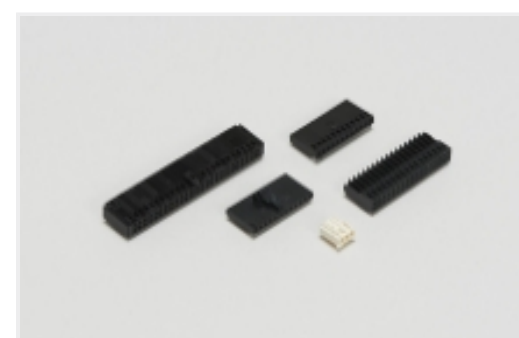
Rectangular Connector Housings(129)



Rectangular Power Connectors(115)



Standard Rectangular Connectors(130)



Wire-to-Board Connector Assemblies & Housings(24)

## Customers Also Bought



TE Part #CAT-D9934-A15B  
Receptacle and Tab Housing: 2.5 mm  
Pitch, 250V



TE Part #2-292252-2  
CT DOUBLE ROW ASSY V 22P HDR N



TE Part #CAT-D9934-A15  
Contact: Component To Wire; 3-5A,  
30-18 Wire Size



TE Part #CAT-D9934-A15F  
Header Assembly: Wire-to-Board, 5A,  
gold or tin plated

## Documents

### Product Drawings

[DYNAMIC D1000 REC CONT 2L PRE TIN REEL](#)

Japanese

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1871731-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1871731-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1871731-1\\_D.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English

### Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English