# 1-175218-2 ✔ ACTIVE

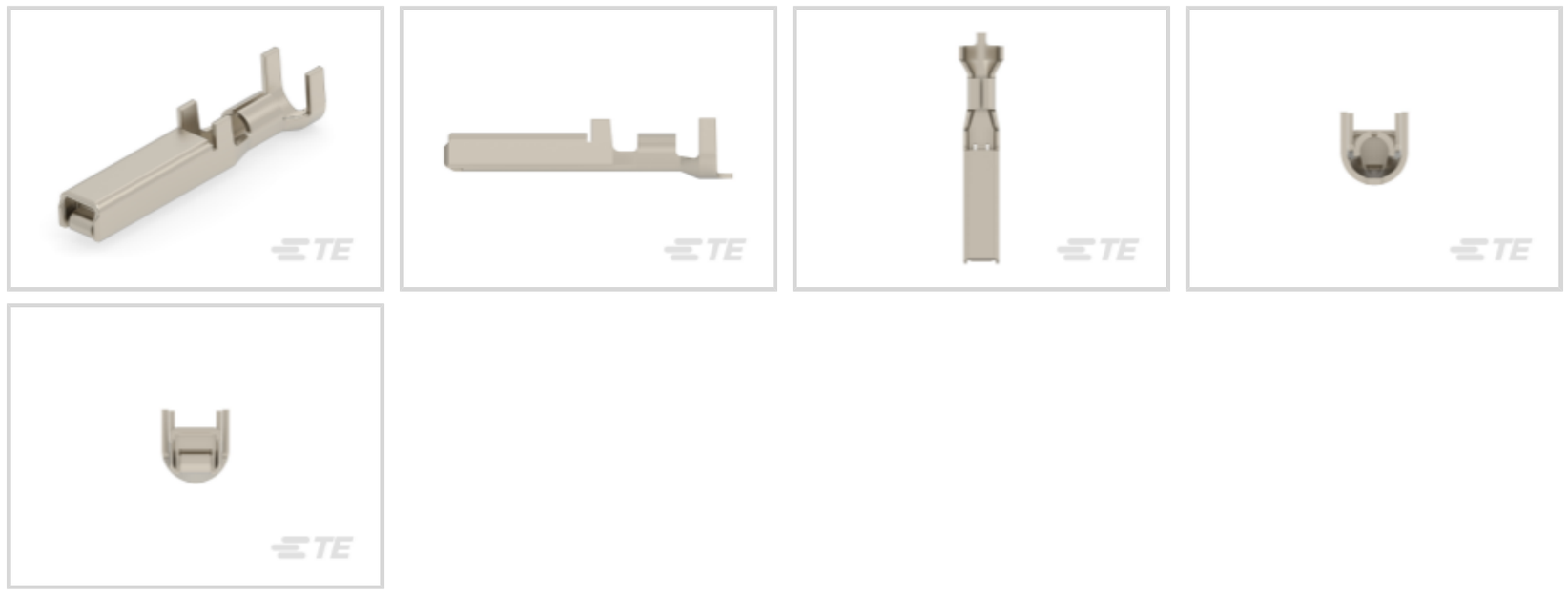
Dynamic Series | Dynamic 3000 Series

TE Internal #: 1-175218-2

Gold (Au), Receptacle Contact, 20 – 16 AWG, 250 VAC, .5 – 1.42 mm² Wire, Discrete Wire, Crimp, Copper Alloy, Power & Signal, Dynamic 3000 Series

View on TE.com >

Connectors > Contacts > Connector Contacts > Contact: Component To Wire; 15A, 28-14 wire size



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Gold (Au)**

Operating Voltage: **250 VAC**

Compatible With Wire & Cable Type: **Discrete Wire**

Wire Size: **20 – 16 AWG**

All Contact: Component To Wire; 15A, 28-14 wire size (91)

## Features

### Product Type Features

| | |
|---|---|
| Discrete Wire Type | Solid or Stranded |

### Configuration Features

| | |
|---|---|
| Compatible With Wire & Cable Type | Discrete Wire |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

### Contact Features

| | |
|---|---|
| Barrel Type | Open |
| Contact Length | 17.8 mm[.701 in] |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 15 A |

| | |
|---|---|
| Mating Tab Width | 2 mm[.08 in] |
| Mating Tab Thickness | .64 mm[.025 in] |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |
| Contact Orientation | Straight |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Wire Insulation Support | With |

## Dimensions

| | |
|---|---|
| Wire Size | .5 – 1.42 mm² |
| Compatible Insulation Diameter Range | 1.8 – 2.8 mm[.071 – .11 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 5000 |
| Packaging Method | Bag & Box |

# 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 234168-1
EXTRACTION TOOL(DYNAMIC D-3)



TE Part # CAT-D9934-A75B
Receptacle and Tab Housing: 5.08 mm Pitch, 250-600V



TE Part # 2255147-1
MINI SAHT D3000-L



TE Part # 58571-1
PROCRIMP TL W/DIE DYN3RH



TE Part # 90684-1
SDE F DYNAMIC D3000 20-16 ASSY



TE Part # 178214-1
DYNAMIC 3400 REC HSG 12P



TE Part # CAT-D9934-A75A
Receptacle and Tab Housing: 3.81 mm pitch, 250V



TE Part # CAT-D9934-A75C
Receptacle and Tab Housing: 5.08 mm pitch, 600V



TE Part # 90684-2
SDE F DYNAMIC D3000 20-16 DIE SET



TE Part # 91558-1
CCII D-3 L REC TAB 20-16 ASSY

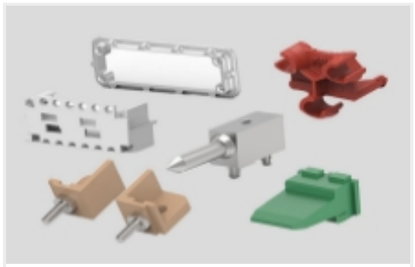


TE Part # 917249-1
DYNAMIC D-3400F REC HSG 20P

## Also in the Series | Dynamic 3000 Series



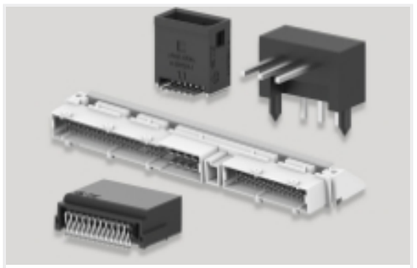
Connector Contacts(94)



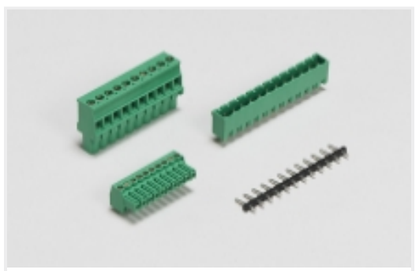
Connector Hardware(8)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(290)



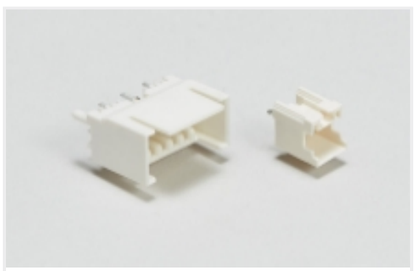
PCB Terminal Blocks(5)



Power Contacts(94)



Rectangular Power Connectors(443)



Wire-to-Board Headers & Receptacles (290)

## Customers Also Bought



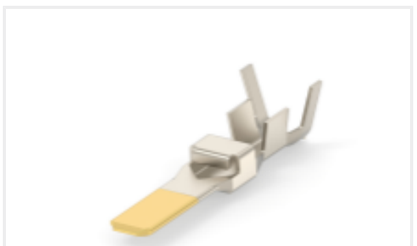

TE Part #5053304016
RNF-100-1-2-SP



TE Part #175216-2
DYNAMIC REC CONT. S L/P



TE Part #1-179277-3
DYNAMIC 3200 HDR ASSY 4P H PdNI



TE Part #CAT-D9934-A83
Contact: Component To Wire；20-45A，20-8 wire size



TE Part #2-917807-3
DYNAMIC D-5200M REC HSG 6P Y-Y



TE Part #1318095-2
DYNAMIC D-3500 REC HSG 6P



TE Part #1318107-1
DYNAMIC D-2000 REC CONT M L/P



TE Part #1813284-1
SOCKET SPACER(Bosch:F 00R J00

## Documents

### Product Drawings

DYNAMIC D-3 REC CONT. L AU 0.38 L/P

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-175218-2_F.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-175218-2_F.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-175218-2_F.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.)

Japanese

### Instruction Sheet (non U.S.)

English

### Instruction Sheet (non U.S.)

Japanese

### PEW12 HAND TOOL(D3000-L)

Japanese

### Instruction Sheet (non U.S.)

English

## Agency Approvals

### TUV Certificate

English