



Dynamic Series | Dynamic 3000 Series

TE Internal #: 1-175218-5

Tin (Sn), 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 > DYNAMIC 3000 CONTACT



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Tin (Sn)**

Operating Voltage: **250 VAC**

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

Wire Size: **20 – 16 AWG**

[All DYNAMIC 3000 CONTACT \(91\)](#)

Features

Product Type Features

Discrete Wire Type	Solid or Stranded
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Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Barrel Type	Open
Contact Length	17.8 mm[.701 in]
Contact Type	Receptacle
Contact Mating Area Plating Material	Tin (Sn)
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 Finish	Bright
Contact Orientation	Straight

Termination Features

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

Mechanical Attachment

Wire Insulation Support	With
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Dimensions

Wire Size	.5 – 1.42 mm ²
Compatible Insulation Diameter Range	1.8 – 2.8 mm[.071 – .11 in]

Usage Conditions

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

Circuit Application	Power & Signal
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



Also in the Series | [Dynamic 3000 Series](#)



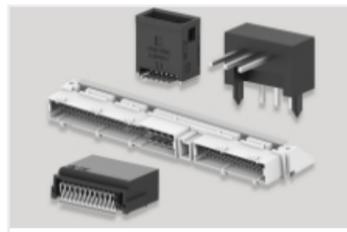
Connector Contacts(94)



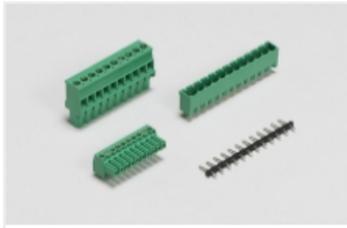
Connector Hardware(8)



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 #T4111012021-000
M12 M, 2P GOLD A_CODE S SHIELDED PG9



TE Part #CAT-D9934-A75C
DYNAMIC 3500 REC AND TAB HSG



TE Part #2-178128-3
DYNAMIC 3200 REC HSG 3P (SGL)



TE Part #178289-8
DYNAMIC D3100 REC HSG 20P



TE Part #5-448153-1
PLUG ASSY,SZ 2,COAX 3C3



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



TE Part #CAT-D9934-A66A
Receptacle and Tab Housing: 2.5 mm Pitch, 250V



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

Documents

Product Drawings

[DYNAMIC D-3 REC CONT. L PRE-TIN L/P](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1-175218-5_F.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-175218-5_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-175218-5_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 \(non U.S.\)](#)

Japanese

[PEW12 HAND TOOL\(D3000-L\)](#)

Japanese

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

English

Agency Approvals

[TUV Certificate](#)

English