178289-8 ✔ ACTIVE

Dynamic Series | Dynamic 3000 Series

TE Internal #: 178289-8

20 Position, Receptacle, Housing, Crimp, Wire-to-Board, UL 94V-0, 3.81 mm [.15 in] Centerline, 2 Row, Wire & Cable, Dynamic 3000 Series

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Receptacle and Tab Housing: 3.81 mm pitch, 250V







Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

UL Flammability Rating: **UL 94V-0**

Number of Positions: **20**

All Receptacle and Tab Housing: 3.81 mm pitch, 250V (45)

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	20
Number of Rows	2

Body Features

Primary Product Color	Black

Contact Features

Contact Base Material	Copper Alloy

Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Strain Relief	Without
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	3.81 mm[.15 in]
Housing Material	Polyester GF

Dimensions

Connector Height	12.23 mm[.48 in]
Connector Length	51.03 mm[2 in]
Row-to-Row Spacing	5.08 mm[.2 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	800
Packaging Method	Bag

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) Candidate List Declared Against: JUNE 2025 (250)

	Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # CAT-D9934-A75
Contact: Component To Wire; 15A, 28-14 wire size



TE Part # 1986186-1
Strain Relief,20 Posn,D3000 Dynamic, 2



TE Part # CAT-D9934-A75E
Header Assembly: Wire-to-Board, 15A, gold or tin plated



TE Part # 5900121-4
DYNAMIC D-3 FREE HANGING HOOK

Also in the Series | Dynamic 3000 Series



Connector Contacts(94)



Connector Hardware(8)



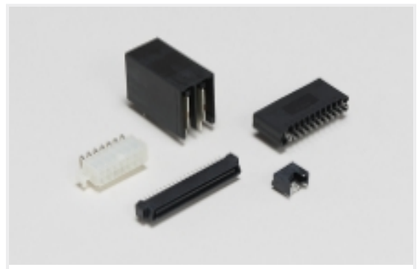
Power Contacts(94)



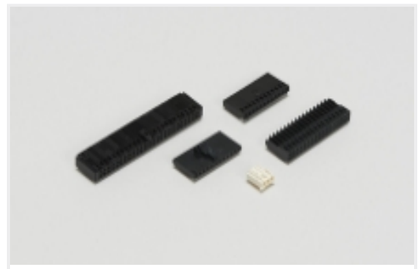
Rectangular Connector Housings(143)



Rectangular Power Connectors(443)



Standard Rectangular Connectors(167)

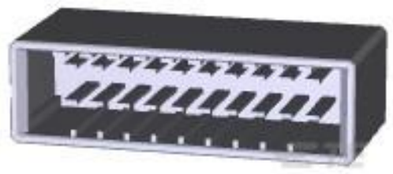


Wire-to-Board Connector Assemblies & Housings(92)

Customers Also Bought



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



TE Part #178328-3
DYNAMIC D-3 HDR ASSY V 20P PdNi &Au

Documents

Product Drawings

DYNAMIC D3100 REC HSG 20P

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_178289-8_P.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_178289-8_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_178289-8_P.3d_stp.zip

English

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Product Specifications

Quality Specification

Japanese

Agency Approvals

UL

English