



Connectors > Rectangular Connectors > Standard Rectangular Connectors > Receptacle and Tab Housing: 2.5 mm Pitch, 250V



Connector Product Type: **Housing**

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

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

Number of Positions: **48**

Centerline (Pitch): **3.81 mm [.15 in]**

[All Receptacle and Tab Housing: 2.5 mm Pitch, 250V \(54\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	48
Number of Rows	3

Contact Features

Contact Base Material	Copper Alloy
Contact Type	Receptacle
Contact Current Rating (Max)	8 A

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

Housing Features

Housing Material	Polyester GF
------------------	--------------



Centerline (Pitch)	3.81 mm[.15 in]
--------------------	-----------------

Dimensions

Connector Width	22.8 mm[.897 in]
Connector Height	15.8 mm[.62 in]
Connector Length	58.65 mm[2.3 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Box
Packaging Quantity	480

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	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 # 1827538-1
DYNAMIC D-2600 HYBRID V-HDR
ASSY 48P

Also in the Series | Dynamic 2000 Series

Connector Contacts(10)

Connector Hardware(3)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(58)

PCB Terminal Blocks(9)

Power Contacts(10)

Rectangular Power Connectors(53)

Wire-to-Board Headers & Receptacles
(58)

Customers Also Bought

TE Part #316041-6
DYNAMIC D-5 REC CONT M L/P

TE Part #CAT-HST-VERSAFITV2
Versafit-V2 Heat Shrink Tubing

TE Part #20009605-05
FX292X-100A-0025-L

TE Part #1-2176052-1
RLP73N 1J R13 5% 5K RL





TE Part #1-175218-5
DYNAMIC D-3 REC CONT. L PRE-TIN L/P



TE Part #2345834-2
NEW MOTOR CONN REC KIT. PF



TE Part #3-1903329-3
DYNAMIC 4200M REC HSG 6P XY



TE Part #558823-000
202D211-4/86-0



TE Part #5229912-1
KIT, PLUG, 50 POS,B SLOT C/LOK

Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_1827540-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1827540-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1827540-1_E.3d_stp.zip

English

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

- Datasheets & Catalog Pages

1-1773721-5_DYNAMIC_SERIES_QRG

English

- Product Specifications

Application Specification

English

Dynamic Connector D-2000 Series

Japanese

Application Specification

Japanese

Agency Approvals



TUV Certificate

English