

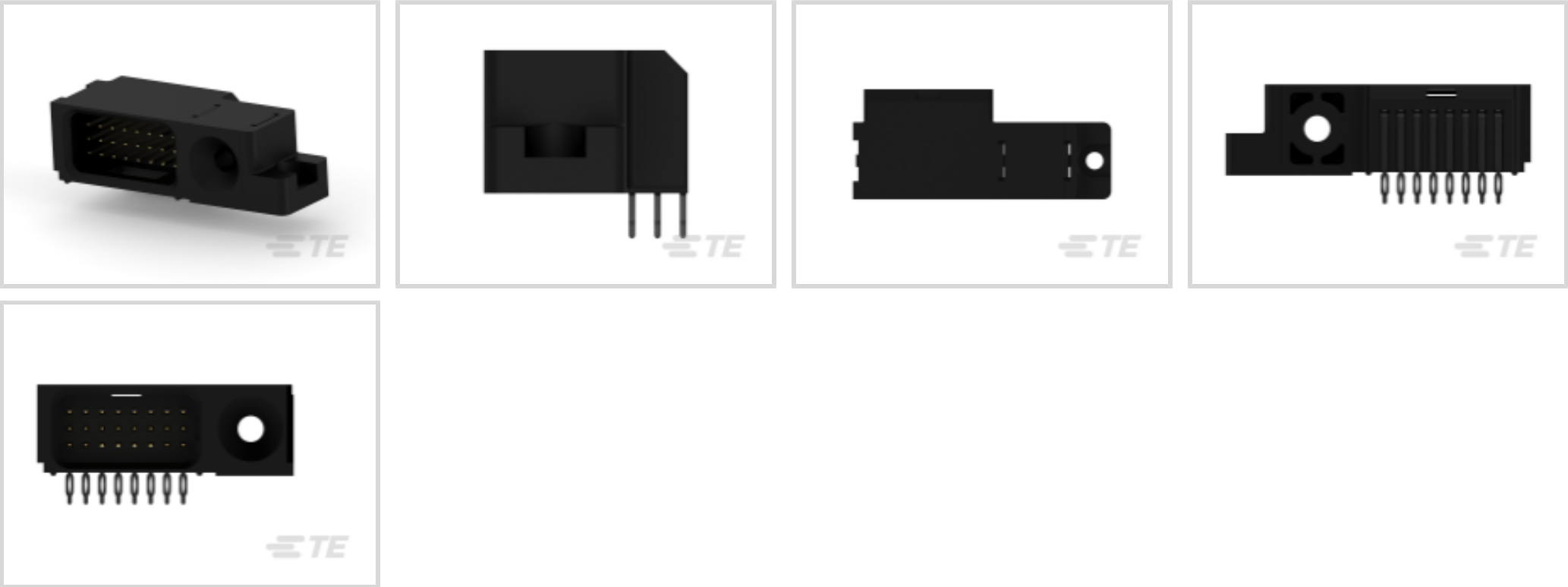


TE Internal #: 2085119-1

Rectangular Power Connectors, Housing, Plug, Board-to-Board, 24 Position, 2.5 mm [.098 in] Centerline, Printed Circuit Board, UL 94V-0, Signal

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **24**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	24
PCB Mount Orientation	Right Angle
Number of Signal Positions	24
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

Contact Mating Area Plating Material	Gold
--------------------------------------	------



Contact Current Rating (Max)	1 A
Contact Retention Within Housing	With
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
---	--------------------------

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
--------------------	-----------------

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
-----------------------------	----------------------------

Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Method	Tray
------------------	------

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC



Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 # 2085120-1
CONN SOCKET ASSY STRAIGHT
SOLDER FLATPAQ

Customers Also Bought

TE Part #2-32054-1
PIDG SPD 22-16COMM 22-18MIL 10

TE Part #1650589-1
903-19-02113=SCREW,SHOULDER,M4

TE Part #1586765-8
8P RCPT VAL-U-LOK GW

TE Part #6-2176392-4
RQ 1206 604K 0.1% 10PPM 5K RL

TE Part #796858-4
4 POS TERMI-BLOK PLUG RT ANGLE

TE Part #1934633-1
HIGH SPEED BACKPLANE
CONNECTORS 6X12MM

TE Part #5-1437723-9
T2310-P24=PLASTIC PLUG,23-24P

TE Part #7-1437723-4
T2330-S24= PANEL MTG PLSTC RCPT

Documents



Product Drawings

24PIN RECTANGULAR POWER CONNECTORS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2085119-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2085119-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2085119-1_A.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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English