

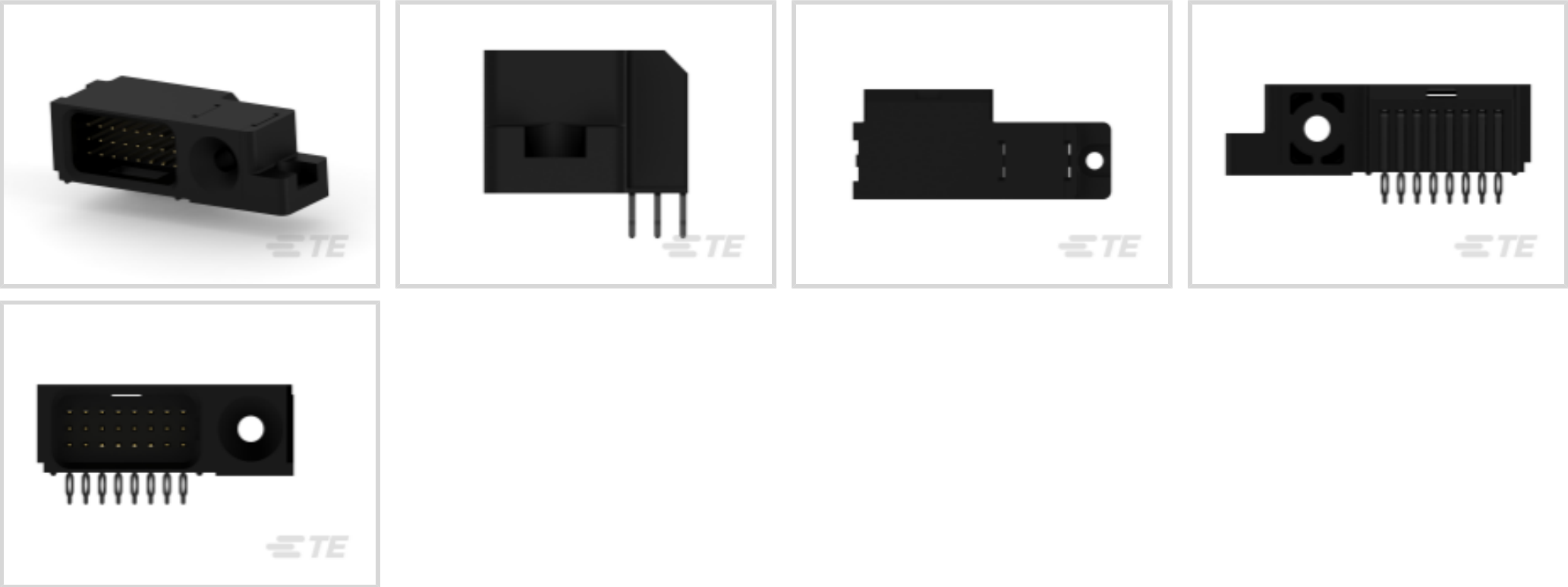
TE Internal #: 2085119-1

PCB Mount Plug, Right Angle, Board-to-Board, 24 Position, 2.5 mm  
[.098 in] Centerline, Gold (Au), Through Hole - Press-Fit, Signal,  
Black, Tray

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Plug**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **24**

Number of Rows: **3**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

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

Electrical Characteristics

Operating Voltage	125 VDC
-------------------	---------

Body Features

--	--



Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.05 µm[120 µin]
Contact Layout	Matrix
Contact Base Material	Brass Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	4.57 mm[.18 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Flange w/Mounting Holes
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	Thermoplastic Glass Reinforced
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
Connector Width	14 mm[.551 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]
Connector Height	14 mm[.551 in]
Connector Length	47 mm[1.85 in]

Usage Conditions

--	--



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

Operation/Application

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

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	16
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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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



Customers Also Bought

TE Part #8-2176268-5  
RU 0603 2K0 0.01% 2PPM 1K RL

TE Part #9-1614882-5  
CPF 0603 15R 0.1% 25PPM 1K RL

TE Part #5-2176268-6  
RU 0603 1K0 0.01% 2PPM 1K RL

TE Part #5-2176369-6  
RQ 0603 150R 0.1% 10PPM 5K RL

TE Part #5-1676481-6  
CPF 0603 1K2 0.1% 25PPM 1K RL

TE Part #6-2301994-1  
RJ45 JACK INT.MAG. 1GB LED 1X1  
INV (LOW)

TE Part #2176091-3  
RP 2A 0.25W 60R4 0.1% 25PPM 1K RL

TE Part #1-2176451-3  
CPF 0201 66R5 0.1% 25ppm 1K RL

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

TE Part #5-2176267-9  
RU 0603 100R 0.01% 2PPM 1K RL

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