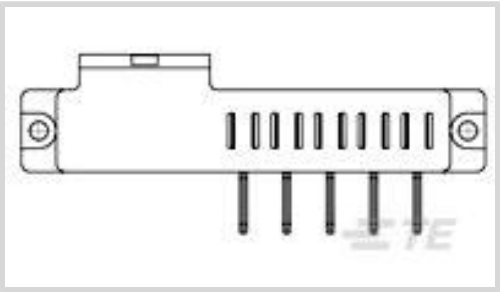




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Plug**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **29**

Number of Rows: **3**

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
Connector Width	14 mm[.551 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Connector Height	14 mm[.551 in]
Connector Length	80 mm[2.36 in]

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Industry Standards

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

Usage Conditions

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

Mechanical Attachment

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

Termination Features

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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.016 μm[40 μin]
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
Mating Tab Width	7 mm[.275 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze, Copper Alloy, Brass Alloy
Mating Tab Thickness	1.25 mm[.049 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin, Blade
Contact Current Rating (Max)	3 A, 35 A

Housing Features

Housing Material	Thermoplastic Glass Reinforced
Centerline (Pitch)	7.5 mm, 2.5 mm[.098 in][.295 in]

Configuration Features

Number of Signal Positions	24
Number of Power Positions	5
Board-to-Board Configuration	Co-Planar
PCB Mount Orientation	Right Angle
Number of Positions	29
Number of Rows	3

Product Type Features

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

Body Features

Primary Product Color	Black
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Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An



Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 6651647-1
CONNECTOR, SOCKET, STRAIGHT,
SOLDER,FLA

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(25)

Connector Contacts(34)

Connector Hardware(1)

PCB Headers & Receptacles(25)

Power Contacts(34)

Rectangular Power Connectors(2)

Customers Also Bought

TE Part #1614770-4
BDS 2 A 250 10R 10%

TE Part #ZPF000000000136485
RECEPTACLE MALE FOR 12 PINS,
CAL1,6TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4TE Part #1-1415543-5
RTE44110



Documents

Product Drawings

CONNECTOR, PIN, RIGHT ANGLE,SOLDER,FLAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6651646-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6651646-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6651646-1_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