



TE Internal #: 1377389-1  
Plug, Board-to-Board, 48 Position, 5.08 mm [.2 in] Centerline,  
Printed Circuit Board, 3 Row, Right Angle, 16 Column, Eurocard  
Connectors  
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Connector & Housing Type: **Plug**  
Connector System: **Board-to-Board**  
Termination Post & Tail Length: **2.9 mm [.114 in]**  
Number of Positions: **48**  
Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Standard
DIN Level	I

Configuration Features

Number of Positions	48
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	16
Rows Loaded	Z, B, D
Number of Signal Positions	48

Termination Features

Termination Post & Tail Length	2.9 mm[.114 in]
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
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Dimensions

Row-to-Row Spacing	3.81 mm[.15 in]
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Usage Conditions

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

Circuit Application	Signal
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2022 (223) 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 # 5148020-5  
ASSY,PIN,EURO,"C/2",L-FREE,48

TE Part # 650478-5  
048 EURO TYPE C PIN ST ASSY

TE Part # 5650948-5  
ASSY,PIN,EUROCARD,TYPE C/2,LEA

TE Part # 5535070-5  
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 5536397-5  
ASSY,RECEPT,EURO,TYPE C/2,LEAD

TE Part # 5650916-5  
ASSY,PIN,EUROCARD,TYPE C/2,LEA

TE Part # 5650479-5  
ASSY,PIN,EUROCARD,TYPE R/2,LEAD-FREE,48

Customers Also Bought

TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

TE Part #281934-2  
SINGLE WIRE SEAL

TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts

TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings  
48P.IEC-F MALE CONN  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1377389-1\_B.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1377389-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1377389-1\\_B.3d\\_stp.zip](#)

English

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Product Specifications

[Workmanship Specification](#)

English