



Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**  
Connector System: **Board-to-Board**  
Termination Post & Tail Length: **2.9 mm [ .114 in ]**  
Number of Positions: **48**  
Centerline (Pitch): **2.54 mm [ .1 in ]**

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Body Features

Primary Product Color	Gray
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Mechanical Attachment

Connector Mounting Type	Board Mount
Panel Mount Feature	Without
Mating Retention	With
Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	Without

Packaging Features

Packaging Method	Tray
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold



Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	5.5 A

Dimensions

Connector Height	21.8 mm
Row-to-Row Spacing	3.81 mm[.15 in]

Housing Features

Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	2.54 mm[.1 in]

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.9 mm[.114 in]

Product Type Features

Eurocard Connector Configuration Type	Type F
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Standard
DIN Level	II

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

Operation/Application

Circuit Application	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 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 # 354741-E  
STVF 48 F ZBD GGG 7-03 0606 4,5 \* 207 E0



TE Part # 354746-E  
STVF 48 F ZBD GGG 7-03 EE 4,5 \* 207 E007



TE Part # 166733-4  
48P.IEC-F FEM.CONN.



TE Part # 166648-4  
48P.IEC-F FEM.CONN.



TE Part # 216520-4  
30P.IEC-F FEM.CONN.

TE Part # 166555-1  
48P.IEC-F FEM.CONN.

TE Part # 2-164241-4  
IEC STAND.T.P.ASSY.

TE Part # 2-166648-4  
48P.IEC-F FEM.CONN.

Customers Also Bought

TE Part #2273001-1  
M8 x 1.0 straight socket Pigtail

TE Part #5745967-8  
25 RCPT SP/FMS INSRT

TE Part #5788796-1  
09 HTMSFL ASSY RA 318 (IN,BL)

TE Part #1-745493-4  
15 HDE MS RCPT,22-26,LEAD FREE

TE Part #8-31886-1  
PIDG R 22-16 COMM 22-18 MIL 8

TE Part #3-640426-7  
07P MTA156 CONN ASSY 18AWG ORA

TE Part #3-1419108-6  
RTD34012F

TE Part #7-1879214-4  
CPF 0402 2K15 0.1% 25PPM 1K RL

TE Part #5745647-1  
HD KIT, MALE SCREW RET.

TE Part #2-1623773-1  
C10 33K 5% (LOOSE)

Documents

Product Drawings  
48P.IEC-F.MALE CONN

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2-164045-4\_T1.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-164045-4\\_T1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-164045-4\\_T1.3d\\_stp.zip](#)

English

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

Product Specifications

[Workmanship Specification](#)

English