

2-166095-1 ✓ ACTIVE

## EUROCARD

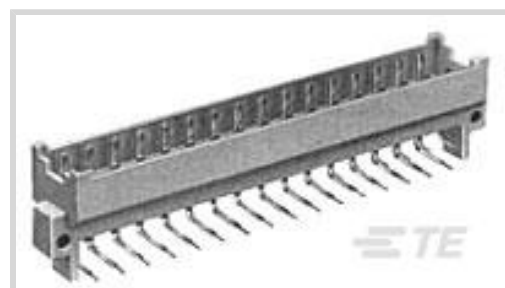
TE Internal #: 2-166095-1

Eurocard Connectors, Plug, Board-to-Board, 48 Position, .2 in [5.08 mm] Centerline, Printed Circuit Board, 3 Row, Right Angle, 16 Column

[View on TE.com >](#)



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): **5.08 mm [ .2 in ]**

### Features

#### Product Type Features

Make First / Break Last Contacts Loaded	Z32
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	I

#### Configuration Features

Mating & Unmating Configuration	Make First / Break Last
Number of Positions	48
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	16
Number of Signal Positions	48
Rows Loaded	Z, B, D

#### Body Features

Primary Product Color	Gray
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#### Contact Features



Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Current Rating (Max)	5.5 A

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

Housing Material	Thermoplastic Polyester - Glass-Filled
Centerline (Pitch)	5.08 mm[.2 in]

### Dimensions

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

### Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Tray
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### 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: JUN 2012 (84) SVHC > Threshold: Not Yet Reviewed
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



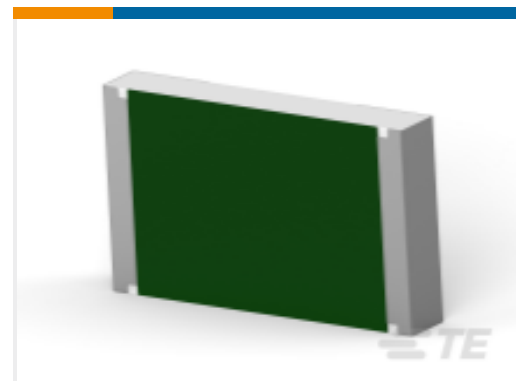
### Customers Also Bought



TE Part #9-1625966-8  
HSA10 10R 1%



TE Part #2238236-1  
SPLICE, AMPLIVAR, PIGTAIL, 2D, 600-7000



TE Part #5-2176400-2  
3540 130R 1%



TE Part #5-1879351-5  
RR01 5% 510K AMMO



TE Part #8-1419125-5  
SDT-S-106LMR,000



TE Part #1-826656-5  
15P AMPMODU II STIFT LEI



TE Part #7-2176373-7  
RQ 0805 61R9 0.1% 10PPM 1K RL

## Documents

### Product Drawings

#### 48P.IEC-F MALE CONN

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-166095-1\\_K.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-166095-1\\_K.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-166095-1\\_K.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