

166951-4 ✓ ACTIVE

EUROCARD

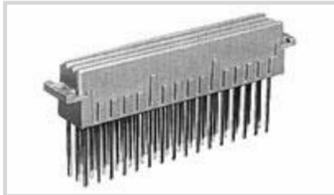
TE Internal #: 166951-4

Eurocard Connectors, Receptacle, Board-to-Board, 32 Position, .2 in [5.08 mm] Centerline, Printed Circuit Board, 3 Row, Vertical, 16 Column

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Receptacle**

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

Termination Post & Tail Length: **4.5 mm [.177 in]**

Number of Positions: **32**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Eurocard Connector Configuration Type	Type F
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Standard
DIN Level	II

Configuration Features

Number of Positions	32
Number of Rows	3
PCB Mount Orientation	Vertical
Number of Columns	16
Number of Signal Positions	32
Rows Loaded	Z, D

Contact Features

Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 µm
Contact Mating Area Plating Material	Gold



PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	5.5 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post & Tail Length	4.5 mm[.177 in]
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Mechanical Attachment

Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Alignment	With
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Panel Mount Feature	Without
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Polyester - GF
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Housing Color	Gray
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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 – 125 °C[-67 – 257 °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](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022
(224)Candidate List Declared Against: JUN 2012
(84)SVHC > Threshold:
Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

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



Documents

Product Drawings

[32P.IEC-F FEM.CONN.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_166951-4_D.2d_dxf.zip](#)

English

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Centerline, Printed Circuit Board, 3 Row, Vertical, 16 Column



Customer View Model

[ENG_CVM_CVM_166951-4_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_166951-4_D.3d_stp.zip](#)

English

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