

650865-5 ✓ ACTIVE

EUROCARD | Eurocard Type B

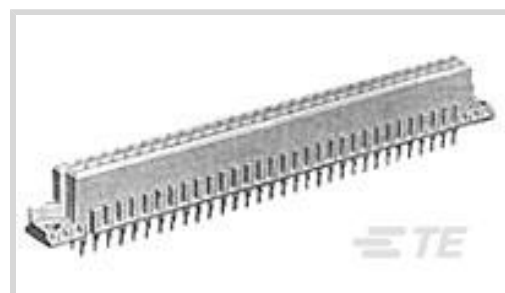
TE Internal #: 650865-5

Receptacle, Board-to-Board, 64 Position, 2.54 mm [.1 in] Centerline,  
Printed Circuit Board, 2 Row, Vertical, Eurocard Type B, Eurocard  
Connectors

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Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Receptacle**

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

Termination Post & Tail Length: **4.83 mm [.19 in]**

Number of Positions: **64**

Centerline (Pitch): **2.54 mm [.1 in]**

## Features

### Product Type Features

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

### Configuration Features

Number of Power or Coaxial Positions	64
Number of Positions	64
Number of Rows	2
PCB Mount Orientation	Vertical
Number of Columns	32
Number of Signal Positions	64
Rows Loaded	A, B

### Electrical Characteristics

Operating Voltage	3 VAC
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### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]



Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [29.92 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Type	Socket
Contact Current Rating (Max)	3 A

### Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	4.83 mm[.19 in]

### Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	Without
Mating Retention	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without

### Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

Connector Width	8.05 mm[.317 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	11.51 mm[.453 in]
Connector Length	93.98 mm[3.7 in]
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Shielded	No
Circuit Application	Power & Signal



### Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA LR7189, UL E28476

### Packaging Features

Packaging Method	Box, Box & Tray
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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	Compliant with Exemptions
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 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

#### 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 # 536385-5  
064 EURO TYPE B PIN BDLK ASSY

### Also in the Series | Eurocard Type B

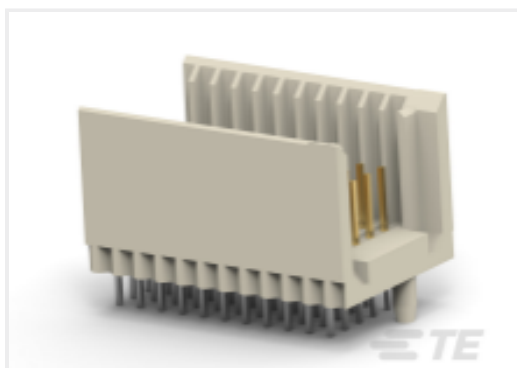


Eurocard Connectors(34)



Standard Edge Connectors(2)

### Customers Also Bought



TE Part #CAT-472-Z12  
Hard Metric Male Connector:  
Traditional Backplane, Mezzanine,  
2mm



TE Part #1410142-1  
MULTIGIG RT T2 .8" BP FULL RGH



TE Part #1-1469491-3  
MULTIGIG RT GUIDE PIN, 9MM 4.20



TE Part #2000676-3  
Keyed Guide Pin, Mached, Vita 46



TE Part #2000676-4  
Keyed Guide Pin, Mached, Vita 46



TE Part #2102735-1  
BP, Half Left End, MULTIGIG RT 2R



TE Part #2102736-1  
BP, Center, MULTIGIG RT 2R



TE Part #2102737-1  
BP, Right End, MULTIGIG RT 2R



TE Part #2828383-1  
CONN KIT,VITA66.4-DERIV,RCPT,  
DUAL-CAVITY



## Documents

### Product Drawings

[064 EURO TYPE B RECEPT AP ASSY](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_650865-5\\_K.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_650865-5\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_650865-5\\_K.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