# 650861-5 ✔ ACTIVE

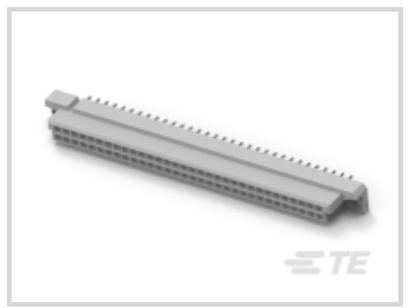
EUROCARD | Eurocard Type B

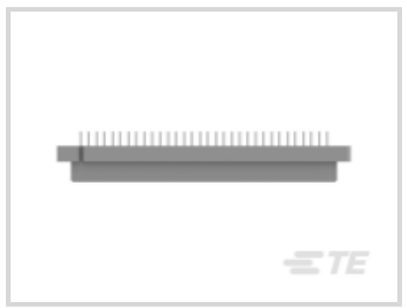
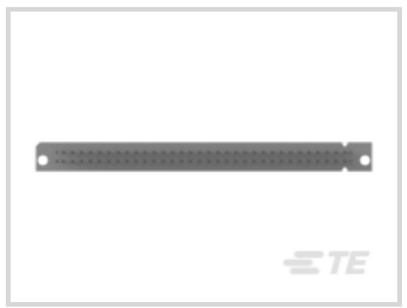
TE Internal #: 650861-5

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

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors




Connector & Housing Type: **Receptacle**

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

Termination Post & Tail Length: **4.6 mm [ .18 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 | 250 VAC |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| 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) | 1.5 A |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 4.6 mm[.18 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 °C[-67 – 221 °F] |

### 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 |

## Product Compliance

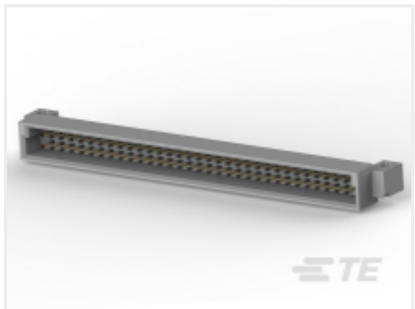
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>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 | Wave solder capable to 240°C |

Product Compliance Disclaimer

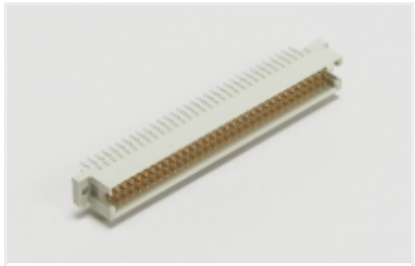
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

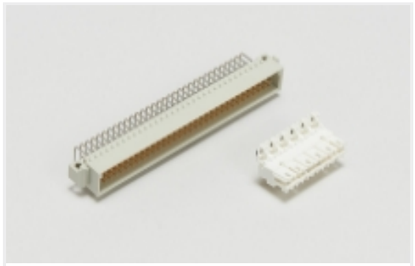


TE Part # 536052-5
064 EURO TYPE B PIN ASSY

## Also in the Series | Eurocard Type B



Eurocard Connectors(34)



Standard Edge Connectors(2)

## Customers Also Bought




TE Part #02560407-000
LVDT MHR 025 ASSY



TE Part #NB-PTCO-157
Pt1000, 2.0x2.3, Class B, PTFC102B1A0



TE Part #328377
TERMINAL,SOLIS R 16-14 2



TE Part #4-2176217-9
CPF A 0805 10K 0.1% 25PPM 1K RL



TE Part #5536052-5
ASSY,PIN,EUROCARD,TYPE B,LEAD-



TE Part #5557730-1
MJ,TE,8P/8C,SHLD,PNL STOPS&G



TE Part #5650858-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #5747832-4
09 MSFL PLUG RA 590 (IN,FM,BL)



TE Part #5747845-6
15 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #1-6609032-3
10VR1=F7206 S0

## Documents

### Product Drawings

064 EURO TYPE B RECEPT ST ASSY

English

### CAD Files

Customer View Model

ENG_CVM_CVM_650861-5_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_650861-5_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_650861-5_M.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