

5650473-5 ✓ ACTIVE

## EUROCARD

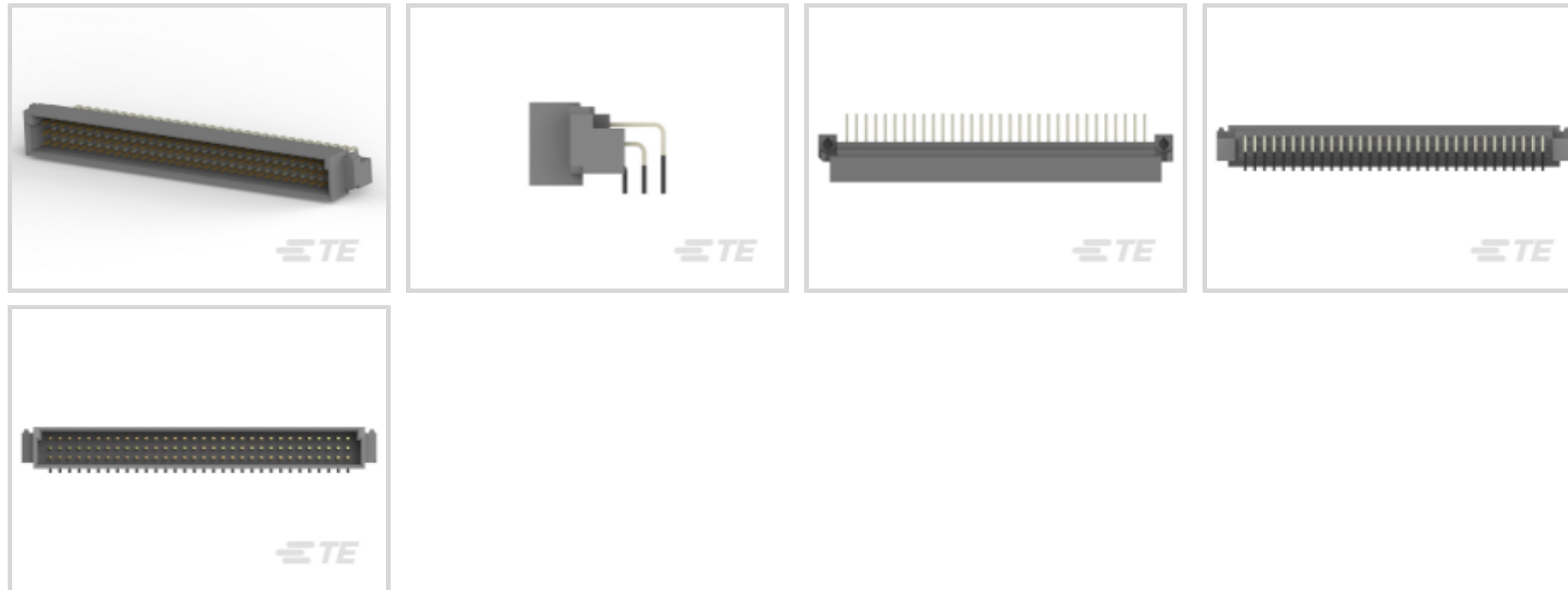
TE Internal #: 5650473-5

Eurocard Connectors, Plug, Board-to-Board, 96 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Right Angle, 32 Column

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Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **2.64 mm [ .104 in ]**

Number of Positions: **96**

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

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| 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        | 96          |
| Number of Rows             | 3           |
| PCB Mount Orientation      | Right Angle |
| Number of Columns          | 32          |
| Number of Signal Positions | 96          |
| Rows Loaded                | A, B, C     |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|



### Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|

### Contact Features

|   |   |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 $\mu\text{m}$ [100 – 200 $\mu\text{in}$ ] |
| Contact Type  | Pin   |
| Contact Mating Area Plating Material Thickness          | .76 $\mu\text{m}$ [30 $\mu\text{in}$ ]                |
| Contact Mating Area Plating Material                    | Gold  |
| PCB Contact Termination Area Plating Material           | Tin   |
| Contact Base Material                                   | Copper Alloy  |
| Contact Current Rating (Max)                            | 1.5 A   |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post & Tail Length              | 2.64 mm[.104 in]      |

### Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| Mating Retention        | Without      |
| Mating Alignment        | With         |
| PCB Mount Alignment     | Without      |
| Panel Mount Feature     | Without      |
| PCB Mount Retention     | Without      |
| Connector Mounting Type | Board Mount  |

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Polymer - GF   |
| Centerline (Pitch) | 2.54 mm[.1 in] |

### Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 11.1 mm[.437 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |

### Usage Conditions

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

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|



### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                  |     |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

### 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |
| Solder Process Capability                     | Reflow solder capable to 260°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 # 5650462-4  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 5650461-5  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 1-148057-5  
096 EURO TYP C RECP 13MM ASSY



TE Part # 5535043-5  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 5535089-5  
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part # 650473-5  
096 EURO TYPE C PIN ST ASSY



TE Part # 5650908-5  
ASSY,PIN,EUROCARD,TYPE R,LEAD-



TE Part # 5536412-4  
ASSY,RECEPT,EURO,TYPE C,LEAD-FREE,96,.18



TE Part # 5148057-5  
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE



TE Part # 5536418-5  
ASSY,RECEPT,EURO,TYPE C,LEAD-F



TE Part # 650947-5  
096 EURO TYPE C PIN ST ASSY



TE Part # 5535090-4  
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part # 650461-4  
096 EURO TYPE R RECPT ASSY



TE Part # 3-1393641-1  
V42254B2202C960=PC612 FEDERLEI



TE Part # 215605-4  
96P.IEC-C MALE CONN



TE Part # 535043-4  
096 EURO TYPE C RECEPT ST ASSY



TE Part # 5148059-5  
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE



TE Part # 5650963-4  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 5536405-5  
ASSY,PIN,EUROCARD,TYPE C,LEAD-



TE Part # 9-1393644-1  
V42254B1200C960=PC612 MESSERLE

## Customers Also Bought



TE Part #5750913-5  
50 50SR CABLE CONN KIT



TE Part #5-104652-6  
60 50/50 GRID DRST SFMNT RCPT



TE Part #350587-1  
12P UMNL PIN HDR ASSY V2 NATL



TE Part #1-338070-6  
MICRO-MATCH FEM.SE



TE Part #5536461-5  
ASSY,RECEPT,EURO,TYPE B,LEAD-FREE,32,.18



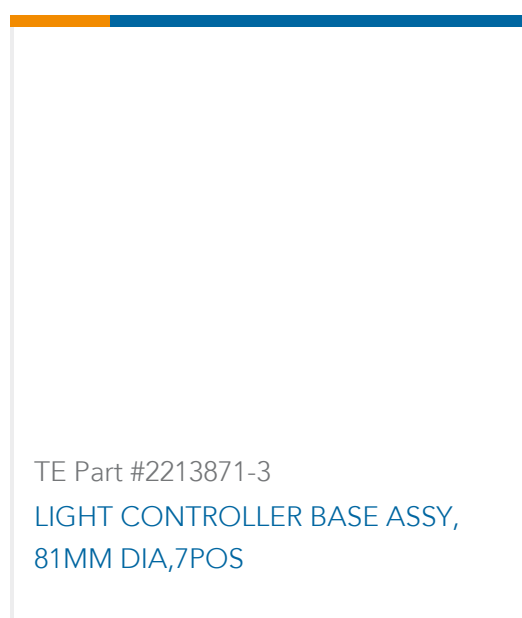
TE Part #2102081-2  
Fortis Zd 2Pr 10Col R/A Full Shroud Assy



TE Part #106276-4  
32P.IEC-C/2 M.CONN.



TE Part #1969796-1  
02P UMNL HDR ASSY R/A, PIN V0 GW



TE Part #2213871-3  
LIGHT CONTROLLER BASE ASSY,  
81MM DIA,7POS

## Documents

### Product Drawings

ASSY,PIN,EUROCARD,TYPE C,LEAD-

English

ASSY,PIN,EUROCARD,TYPE C,LEAD-

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5650473-5\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5650473-5\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5650473-5\\_B.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance Document](#)

English

[Product Compliance Document](#)

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