



# EUROCARD CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## ASSY, PIN, EUROCARD, TYPE C, LEAD- EUROCARD | Eurocard

5650947-5

TE Internal Number: 5650947-5

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Applies To **Printed Circuit Board**

Connector System **Board-to-Board**

Mounting Angle **Right Angle**

Centerline **2.54 mm [ .1 in ]**

### Product Drawings

[ASSEMBLY, PIN, EUROCARD, TYPE C 96 POSITION, .130 SOLDER POST](#)  
PDF (TIFF AVAILABLE)  
English

[ASSEMBLY, PIN, EUROCARD, TYPE C 96 POSITION, .130 SOLDER POST](#)  
PDF (TIFF AVAILABLE)  
English

### CAD Files

[Customer View Model](#)  
2D\_DXF.ZIP  
English

[3D PDF](#)  
PDF  
3D

[Customer View Model](#)  
3D\_IGS.ZIP  
English

[Customer View Model](#)  
3D\_STP.ZIP  
English

### Product Specifications

Application Specification

[Eurocard Connectors Types B,C,M,Q,R, & Enhanced Type C \(Board-To-Board Application\)](#)  
PDF  
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Qualification Test Report

[Eurocard Connector](#)  
PDF  
English

[Eurocard Connector](#)  
TIF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_5650947-5\\_111120131219\\_dmtec](#)  
PDF  
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Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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|                       |                          |                              |
|-----------------------|--------------------------|------------------------------|
| Product Type Features | Connector Style          | <b>Plug</b>                  |
|                       | Applies To               | <b>Printed Circuit Board</b> |
|                       | Connector System         | <b>Board-to-Board</b>        |
|                       | Row-to-Row Spacing       | <b>2.54 mm [ .099 in ]</b>   |
|                       | Size                     | <b>Standard</b>              |
|                       | DIN Level                | <b>II</b>                    |
|                       | PCB Mounting Orientation | <b>Right Angle</b>           |
|                       | Guides                   | <b>Without</b>               |
|                       | Product Type             | <b>Connector</b>             |
|                       | Make First / Break Last  | <b>Yes</b>                   |
|                       | Connector Type           | <b>Connector Assembly</b>    |

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|                        |                     |                |
|------------------------|---------------------|----------------|
| Configuration Features | Number of Positions | <b>96</b>      |
|                        | Number of Rows      | <b>3</b>       |
|                        | Rows Loaded         | <b>A, B, C</b> |

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|               |       |             |
|---------------|-------|-------------|
| Body Features | Color | <b>Gray</b> |
|---------------|-------|-------------|

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|                  |  |   |
|------------------|--|---|
| Contact Features | Contact Termination Area Plating Thickness       | <b>2.54 – 5.08 <math>\mu</math>m [ 3.93 – 7.87 <math>\mu</math>in ]</b> |
|                  | Contact Transmits (Typical)                      | <b>Signal (Data)</b>  |
|                  | Contact Base Material                            | <b>Copper Alloy</b>   |
|                  | Contact Termination Area Plating Material        | <b>Tin</b>  |
|                  | Contact Cross Section                            | <b>.64 x .64 mm [ .025 x .025 in ]</b>                                  |
|                  | Contact Type                                     | <b>Pin</b>  |
|                  | Contact Mating Area Plating Material             | <b>Gold</b>   |
|                  | Contact Configuration                            | <b>ACTION PIN Post</b>  |
|                  | Contact Mating Area Plating Thickness ( $\mu$ m) | <b>.0762</b>  |

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|                      |                                |                              |
|----------------------|--------------------------------|------------------------------|
| Termination Features | Termination Post Length        | <b>3.3 mm [ .13 in ]</b>     |
|                      | Interface Type                 | <b>Eurocard/DIN 41612</b>    |
|                      | Termination Method to PC Board | <b>Through Hole - Solder</b> |

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|                       |                |                    |
|-----------------------|----------------|--------------------|
| Mechanical Attachment | Mounting Angle | <b>Right Angle</b> |
|-----------------------|----------------|--------------------|

|                          |                       |
|--------------------------|-----------------------|
| PCB Mount Alignment      | <b>With</b>           |
| Mating Alignment Type    | <b>Polarization</b>   |
| Mating Retention         | <b>Without</b>        |
| Mating Alignment         | <b>With</b>           |
| PCB Mount Retention      | <b>Without</b>        |
| PCB Mount Retention Type | <b>Mounting Holes</b> |

|                  |                  |  |
|------------------|------------------|--|
| Housing Features | Centerline       | <b>2.54 mm [ .1 in ]</b>                       |
|                  | Housing Material | <b>High Temperature Glass Filled Polyester</b> |

|            |                                  |                             |
|------------|----------------------------------|-----------------------------|
| Dimensions | Height                           | <b>12.62 mm [ .496 in ]</b> |
|            | PCB Thickness (Recommended) (mm) | <b>1.57</b>                 |
|            | Tail Length                      | <b>3.3 mm [ .129 in ]</b>   |





|                  |                                  |                  |
|------------------|----------------------------------|------------------|
| Usage Conditions | Operating Temperature Range (°C) | <b>-55 – 125</b> |
|------------------|----------------------------------|------------------|

|                    |                  |            |
|--------------------|------------------|------------|
| Packaging Features | Packaging Method | <b>Box</b> |
|--------------------|------------------|------------|

Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

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