

5650921-5 ✓ ACTIVE

EUROCARD | Eurocard Type R

TE Internal #: 5650921-5

Eurocard Connectors, Plug, Board-to-Board, 120 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Vertical, Eurocard Type R

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Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **6.35 mm [.25 in]**

Number of Positions: **120**

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

Features

Product Type Features

Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Half
DIN Level	II

Configuration Features

Number of Positions	120
Number of Rows	3
PCB Mount Orientation	Vertical
Number of Columns	40
Number of Signal Positions	120
Rows Loaded	A, B, C

Electrical Characteristics



Operating Voltage	250 VAC
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Contact Features

Contact Cross Section	.64 x .64 mm [.025 x .025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μ m [100 – 200 μ in]
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 μ m [30 μ in]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post & Tail Length	6.35 mm [.25 in]

Mechanical Attachment

Mating Retention	Without
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	11.4 mm [.45 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 °C [-67 – 221 °F]
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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 2022 (224)
 Candidate List Declared Against: JUNE 2022 (224)
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not applicable for solder process capability

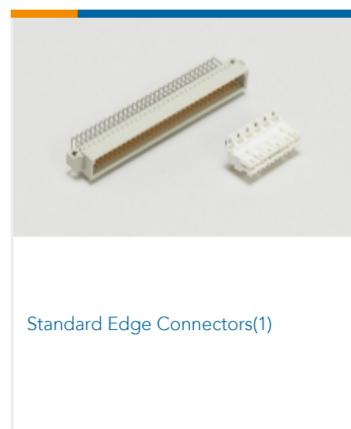
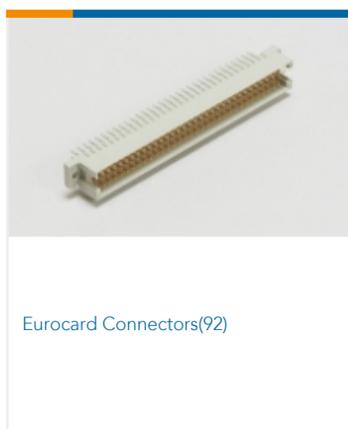
Product Compliance Disclaimer

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



Also in the Series | Eurocard Type R



Documents

Product Drawings

ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,120 P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650921-5_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5650921-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650921-5_O.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