

5650948-5 ✓ ACTIVE

EUROCARD

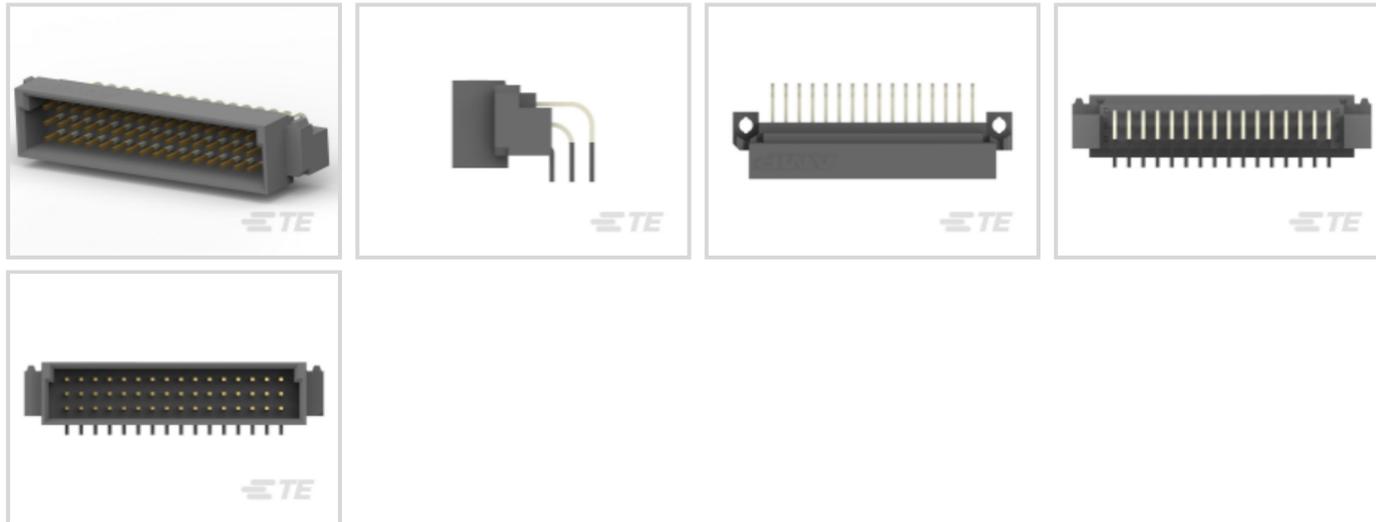
TE Internal #: 5650948-5

Eurocard Connectors, Plug, Board-to-Board, 48 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Right Angle, 16 Column

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **3.3 mm [.13 in]**

Number of Positions: **48**

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	48
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	16
Number of Signal Positions	48
Rows Loaded	A, B, C

Contact Features



Contact Cross Section	.64 x .64 mm [.025 x .025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm [3.93 – 7.57 µin]
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.0762 µm
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	3.3 mm [.13 in]

Mechanical Attachment

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

Housing Features

Housing Material	High Temperature Glass Filled Polyester
Housing Color	Gray
Centerline (Pitch)	2.54 mm [.1 in]

Dimensions

Connector Height	12.62 mm
PCB Thickness (Recommended)	1.57 mm
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
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Packaging Features



Packaging Method	Package
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Product Compliance

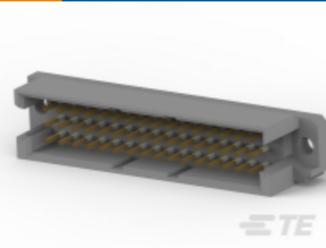
[For compliance documentation, visit the product page on TE.com>](#)

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°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>

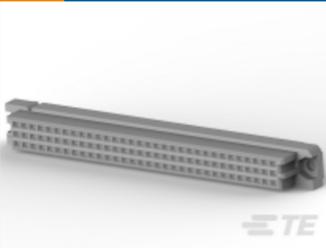
Compatible Parts



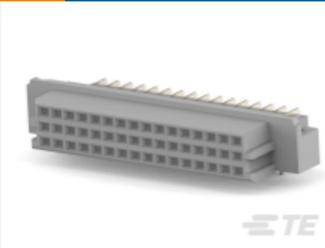
TE Part # 5650479-5
ASSY,PIN,EUROCARD,TYPE R/2,LEAD-FREE,48



TE Part # 5535091-5
ASSEMBLY,RECEPTACLE,EUROCARD,TYPE T



TE Part # 5535071-4
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 5650868-5
ASSY,RECEPTACLE,EUROCARD,TYPE R/2,LEAD-F



Documents

Product Drawings

[ASSY,PIN,EUROCARD,TYPE C/2,LEA](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_5650948-5_O.2d_dxf.zip](#)

English

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_5650948-5_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5650948-5_O.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English