

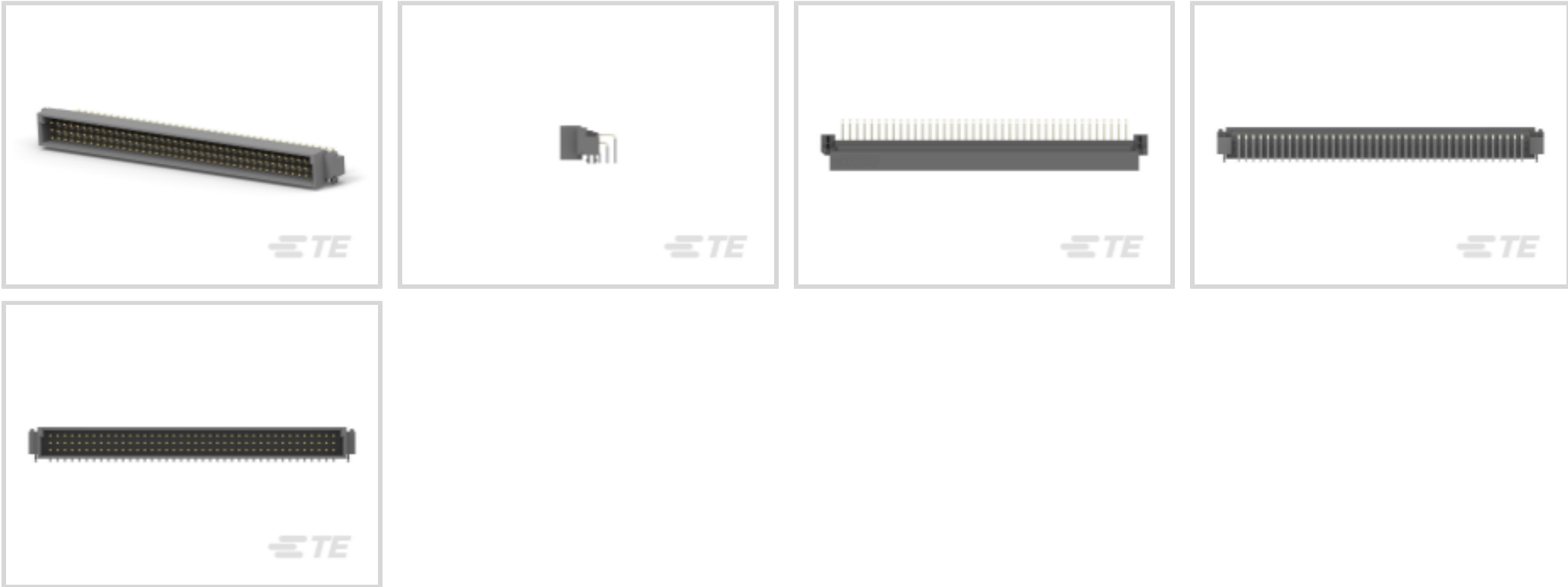
EUROCARD

TE Internal #: 5650914-5
Eurocard Connectors, Plug, Board-to-Board, 120 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Right Angle, 40 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: **2.64 mm [.104 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
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Expanded
DIN Level	II

Configuration Features

Number of Positions	120
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	40
Number of Signal Positions	120
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 µm[100 - 200 µin]
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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	With
PCB Mount Retention Type	Boardlock
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 °C[-67 - 221 °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](#)>

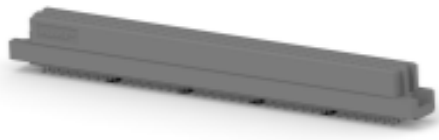
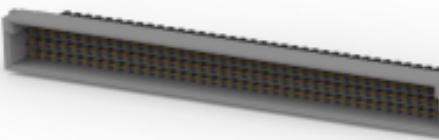
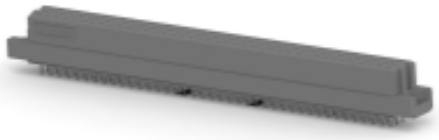
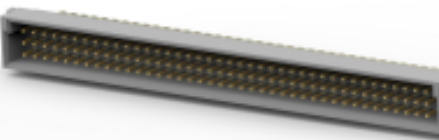
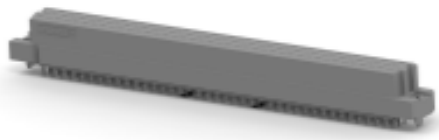
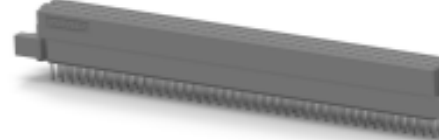


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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


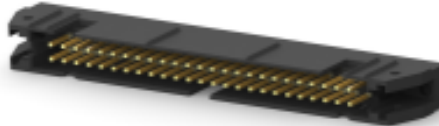







This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5535097-5 ASSEMBLY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5650906-5 ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5535098-5 ASSEMBLY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5650949-5 ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P
 TE Part # 5536494-5 ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5535079-5 ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5535098-4 ASSEMBLY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	 TE Part # 5536489-5 ASSY,RECEPT,EURO,TYPE C,L-FREE,120 P

Customers Also Bought

 TE Part # 5745781-4 09 MSFL RCPT RA 318 (IN,FM)	 TE Part # 5499922-9 AMP-LATCH UNIVERSAL HEADERS	 TE Part # 5520470-3 MJ,R/A,6P/6C,TRAY PACK	 TE Part # 2040002-1 MICRO USB, TYPE B
 TE Part # 292303-9 Std USB Type A, R/A, SMT, Offset, Natural	 TE Part # 2-1879215-1 CPF 0402 6K49 0.1% 25PPM 1K RL	 TE Part # 796949-3 3 POS TERMI-BLOK PCB MOUNT	 TE Part # 3-2176337-8 CRGCQ 0402 12K 1%
 TE Part # 1761686-3 IDC LOW PRO HDR 10P VERT LG LAT			

Documents



Product Drawings

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

English

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

English

CAD Files

Customer View Model

ENG_CVM_CVM_5650914-5_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650914-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650914-5_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