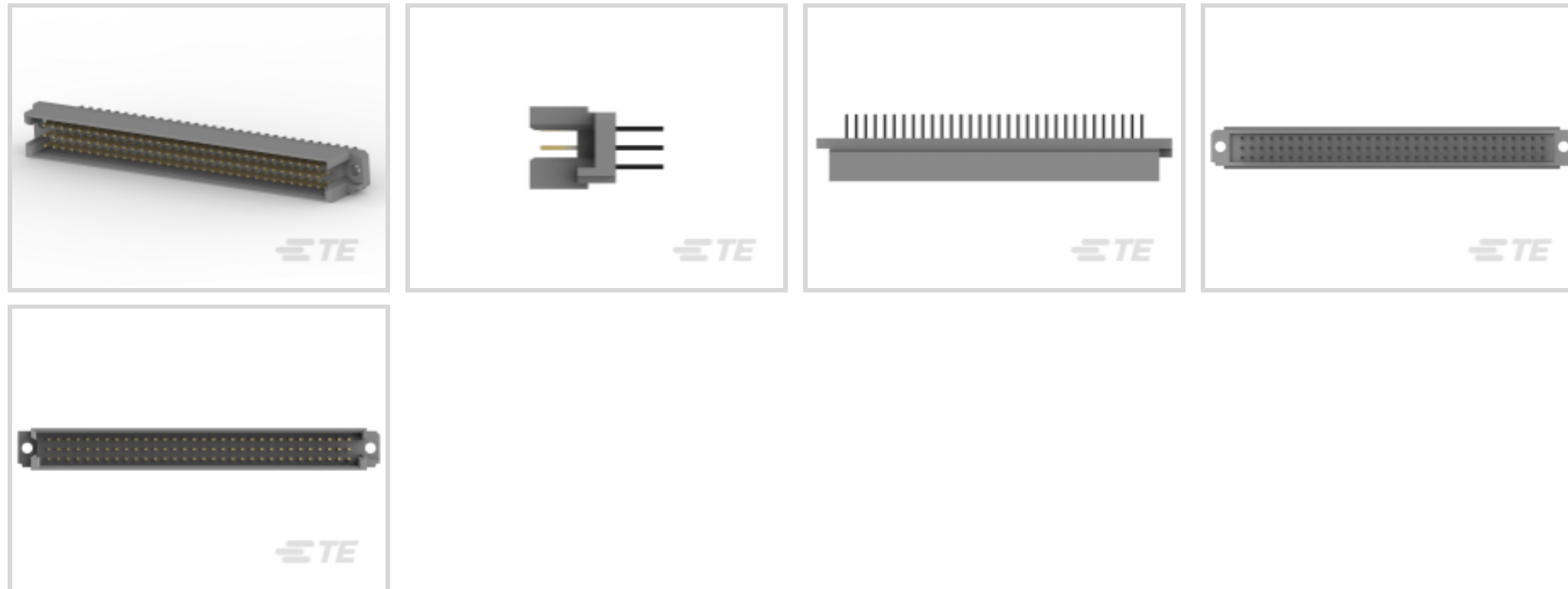# 5650889-5 ✓ ACTIVE

EUROCARD | Eurocard Type R

TE Internal #: 5650889-5

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

View on TE.com >

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: **96**

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	96
Number of Rows	3
PCB Mount Orientation	Vertical
Number of Columns	32
Number of Signal Positions	96
Rows Loaded	A, B, C

Electrical Characteristics

5650889-5

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

Operating Voltage	250 VAC

Contact Features

Contact Cross Section	.64 x .64 mm[.025 x .025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 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)	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]

Operation/Application

5650889-5

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

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>

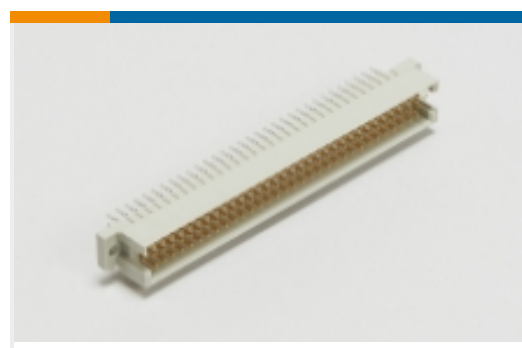| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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
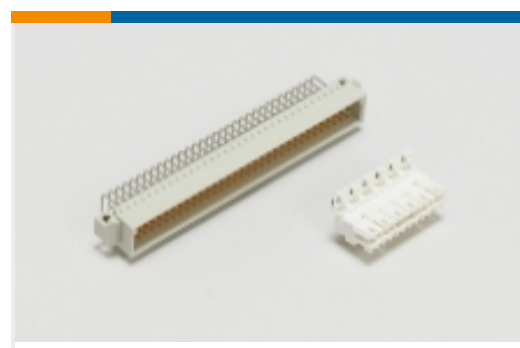
Compatible Parts

5650889-5

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

TE Part # 650470-5
096 EURO TYPE R PIN ST ASSY

TE Part # 535089-5
096 EURO TYPE C RECEPT ST ASSY

TE Part # 536019-5
096 EURO TYP R PIN AP MFBL ASY

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 # 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 # 5650473-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-

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 # 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
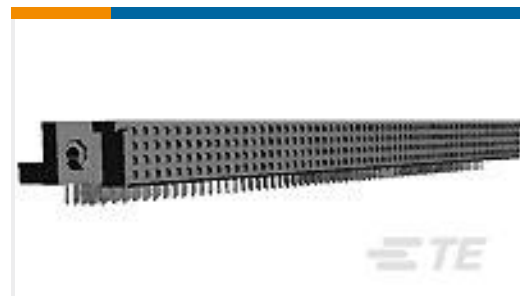
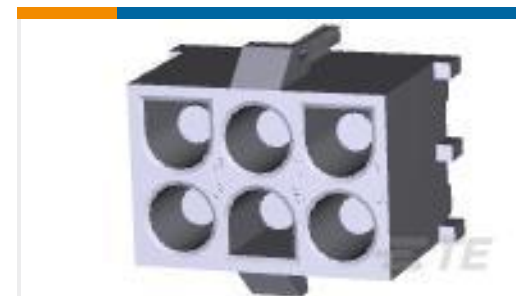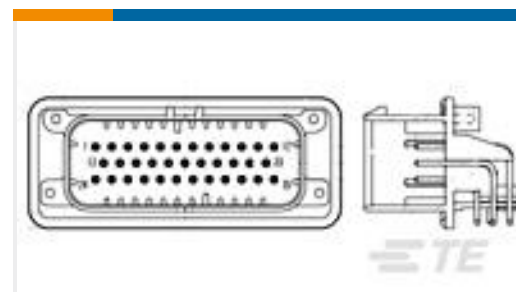## Also in the Series | Eurocard Type R

5650889-5

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

Eurocard Connectors(92)

Standard Edge Connectors(1)

Customers Also Bought

TE Part #5747460-5
HD-20 RCPT 15P RA 590 FFSCRLK

TE Part #532903-5
HDI RECP ASSY 4 ROW 160 POS

TE Part #5558070-1
MJ,R/A,10P,PNL GRN,DIR COMPT

TE Part #643424-1
06P UMNL HDR ASSY POL 94VO

TE Part #148059-5
096 EURO TYP C RECP 17MM ASSY

TE Part #1-2176325-6
CRGP 0402 180R 1%

TE Part #776163-5
35P AMPSEAL HDR ASSY W/GASKET

TE Part #862382-1
LGH RECPT HSG TYPE III

Documents

Product Drawings

ASSY,PIN,EUROCARD,TYPE R,LEAD-

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5650889-5_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_5650889-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5650889-5_O.3d_stp.zip

English

5650889-5

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

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_5650889-5_12142017610_dmtec

English

MD_5650889-5_12142017610_dmtec

English