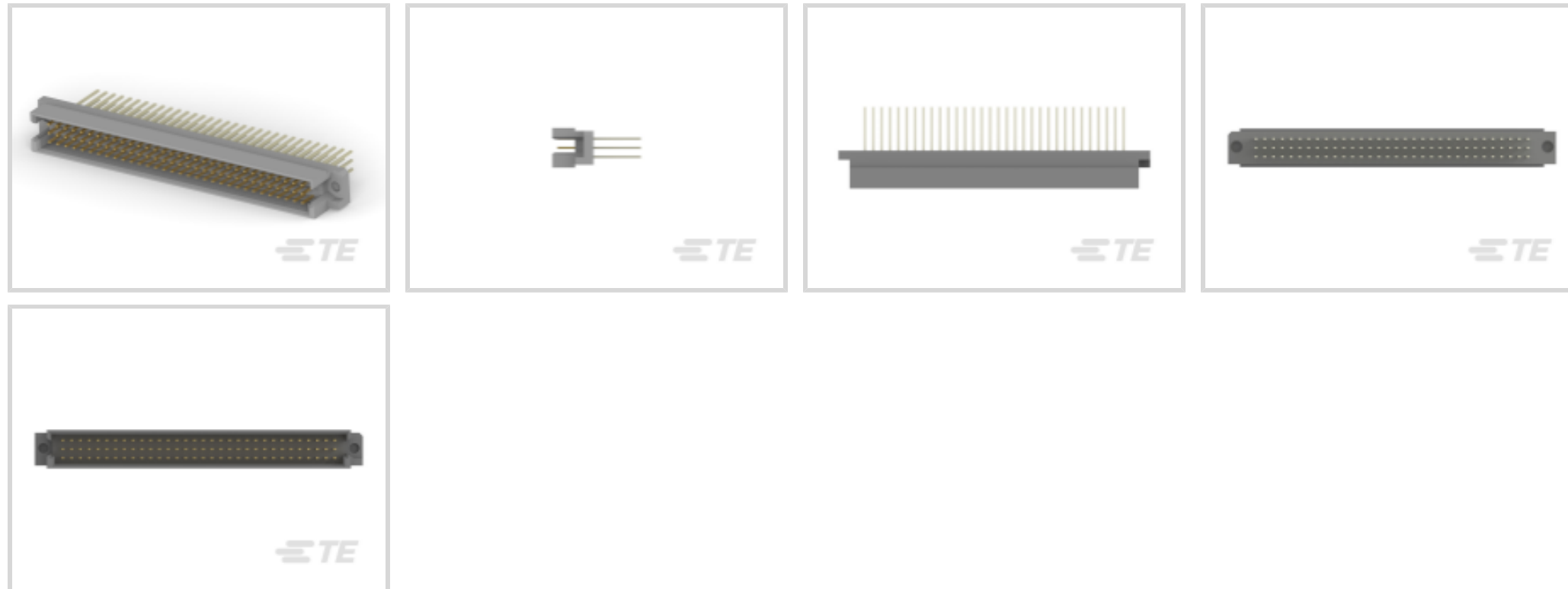# 1-650909-4 ✔ ACTIVE

EUROCARD | **Eurocard Type R**

TE Internal #: 1-650909-4

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: **13.23 mm [.521 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	Standard
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

1-650909-4

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 – 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-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post & Tail Length	13.23 mm[.521 in]

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	11.51 mm[.453 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	No

1-650909-4

Eurocard Connectors, Plug, Board-to-Board, 96 Position, .1 in [2.54 mm] Centerline,
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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

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 # 5650462-4
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 5650461-5
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 5650908-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

TE Part # 5650461-4
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 5650895-4
ASSY,RECEPT,EUROCARD,TYPE R,LE

TE Part # 5650470-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

TE Part # 535032-4
096 EURO TYPE C RECEPT AP ASSY

TE Part # 5650889-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

TE Part # 5148292-5
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 650889-5
096 EURO TYPE R PIN AP ASSY

TE Part # 5650462-5
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part # 650895-4
096 EURO TYPE R RECEPT BL ASSY

TE Part # 650895-5
096 EURO TYPE R RECEPT BL ASSY
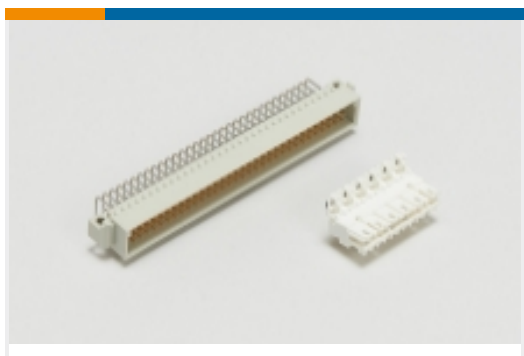
TE Part # 1-536067-4
096 EURO TYPE R PIN AP ASSY

TE Part # 166873-2
96P.MT.CONN.KIT ASS

Also in the Series | Eurocard Type R

Eurocard Connectors(92)

Standard Edge Connectors(1)

Customers Also Bought

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 #5413194-1
BNC, RT ANG, PCB, JACK

TE Part #5148057-5
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE

TE Part #5749181-1
Mini DIN, 4 pos, R/A, Shield

TE Part #5223955-2
TE UPM Ver Receptacle 3P STD Power

TE Part #5555153-3
MJ,LPF,R/A,8P,PCBG,PSTP.15TTU

TE Part #253627-000
MTCP-122-20S2

TE Part #494203-000
MTCP-122-20S

TE Part #450213-000
CTA-0165

TE Part #3-1734857-4
PCI EXP STRADDLE 98P WHT 15u"

TE Part #50832-2
TERMINAL,PIDG PTFE R 22-20 8

Documents

Product Drawings
096 EURO TYPE R PIN AP ASSY

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-650909-4_R.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-650909-4_R.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-650909-4_R.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

1-650909-4

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

Application Specification

English