650470-5 ✔ ACTIVE

EUROCARD | Eurocard Type R

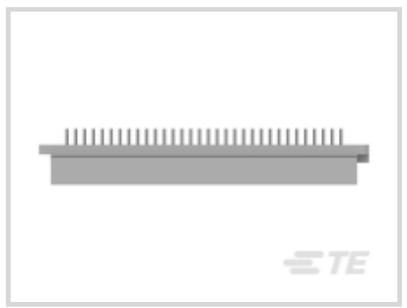
TE Internal #: 650470-5

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

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Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors







Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **4.57 mm [.18 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
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Standard
DIN Level	II

Configuration Features

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

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 Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	4.57 mm[.18 in]

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box

Product Compliance

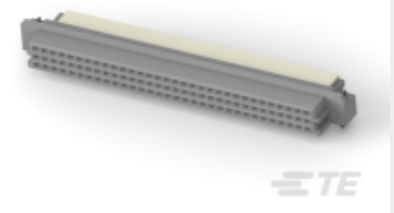
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

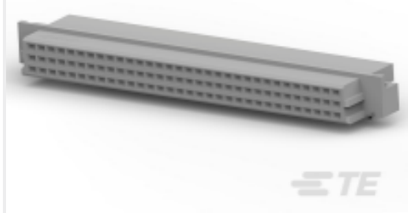
Product Compliance Disclaimer

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

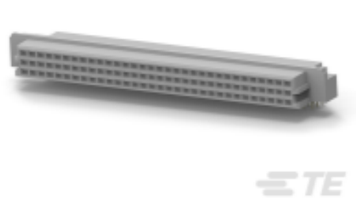
Compatible Parts



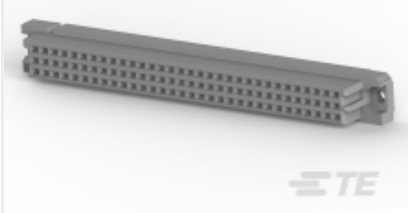
TE Part # 650895-5
096 EURO TYPE R RECEPT BL ASSY



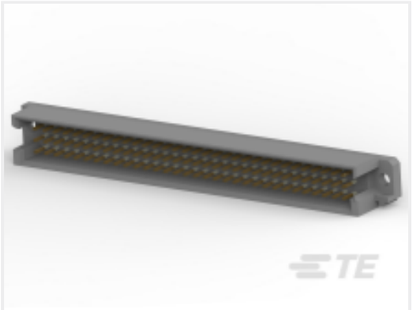
TE Part # 5148292-5
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 650462-4
096 EURO TYPE R RECEPT ASSY



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



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



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



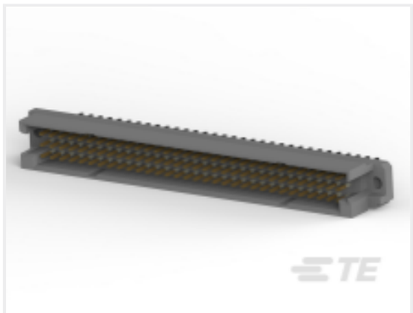
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096 EURO TYPE R RECEPT BL ASSY



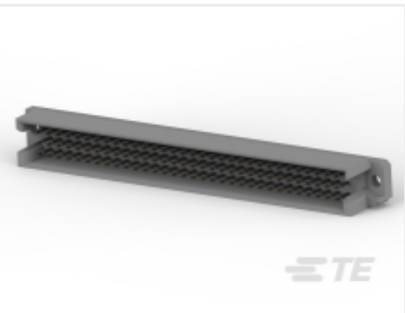
TE Part # 5650461-4
ASSY,RECEPTACLE,EUROCARD,TYPE



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



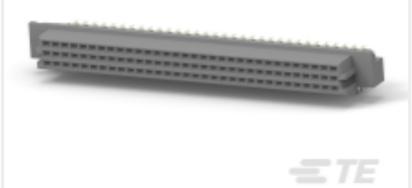
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096 EURO TYPE R PIN AP ASSY



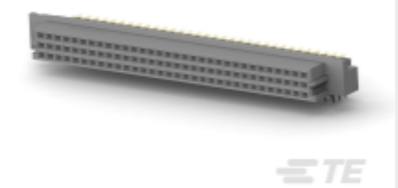
TE Part # 5650908-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-



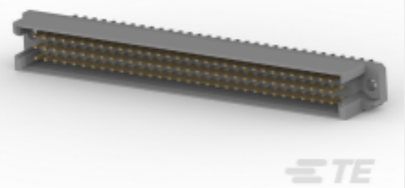
TE Part # 5650461-5
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part # 5650462-4
ASSY,RECEPTACLE,EUROCARD,TYPE

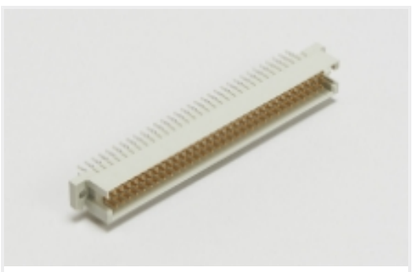


TE Part # 5650462-5
ASSY,RECEPTACLE,EUROCARD,TYPE

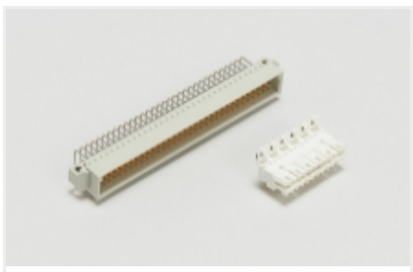


TE Part # 5650889-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

Also in the Series | Eurocard Type R



Eurocard Connectors(78)



Standard Edge Connectors(1)

Customers Also Bought



TE Part #1624094-2
3613C 100UH 10%



TE Part #8-1676970-8
RN 0603 604R 0.1% 10PPM 1K RL



TE Part #2176326-9
CRGP 0603 47R 1%



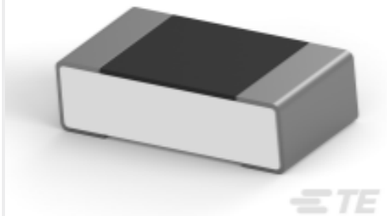
TE Part #1-2176326-7
CRGP 0603 220R 1%



TE Part #2-2176326-1
CRGP 0603 470R 1%



TE Part #5-2176326-5
CRGP 0603 330K 1%



TE Part #1-2176365-0
RQ 0603 49R9 0.1% 10PPM 1K RL



TE Part #1-2176614-0
EP 10W (SS) 2R4 5% BULK BOX



TE Part #2466267-1
BNC JACK RA PCB MNT TIN 2 GHZ 50 OHM



TE Part #5227161-1
RTANG JK W/MTG PINS, BNC PCB

Documents

Product Drawings

096 EURO TYPE R PIN ST ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_650470-5_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_650470-5_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_650470-5_M.3d_stp.zip

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English