5650945-5 ✔ ACTIVE

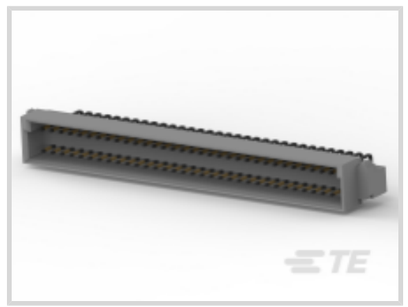
EUROCARD

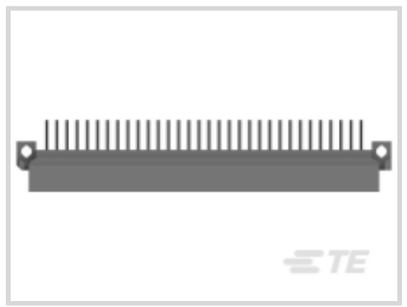
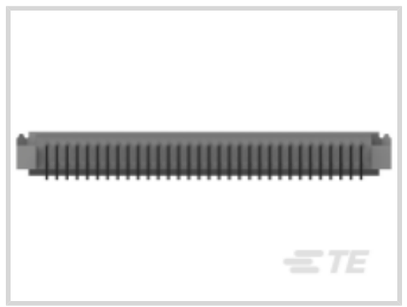
TE Internal #: 5650945-5

Plug, Board-to-Board, 64 Position, 2.54 mm [.1 in] Centerline, Printed Circuit Board, 3 Row, Right Angle, 32 Column, Eurocard Connectors

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: **64**

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

Mating & Unmating Configuration	Make First / Break Last
Number of Positions	64
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	32
Rows Loaded	A, C
Number of Signal Positions	64

Body Features

Primary Product Color	Gray

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[3.93 – 7.87 µin]
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.64 mm[.104 in]

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	12.62 mm[.496 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

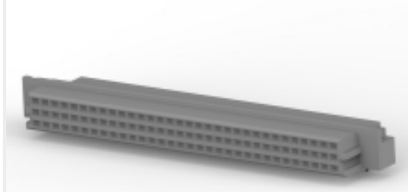
Product Compliance Disclaimer

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



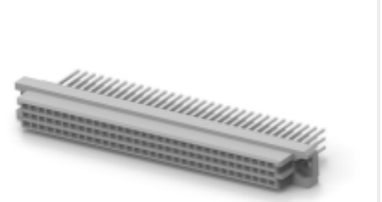
TE Part # 1-1393640-0
V42254B2101C963=PC612 FEDERLEI



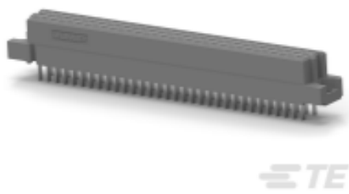
TE Part # 5650870-5
ASSEMBLY,RECEPTACLE,EURO,TYPE



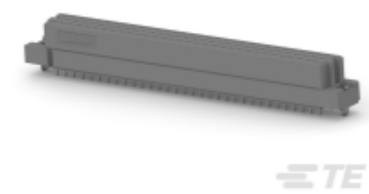
TE Part # 166811-5
64P.MT CONN.KIT ASS



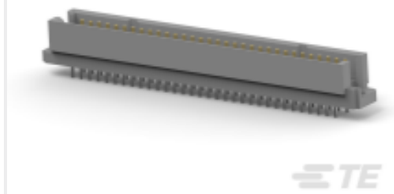
TE Part # 1-148167-5
064 EURO TYP C RECP 13MM ASSY



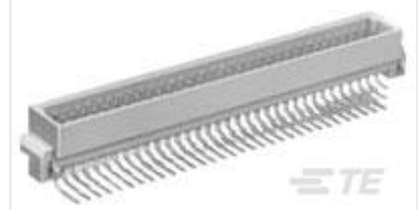
TE Part # 5535059-4
ASSY,RECEPTACLE,EURO,TYPE C,L-FREE,A&C,6



TE Part # 5650983-5
ASSY,RECEPT,EURO,TYPE C,L-FREE,A&C,64/96



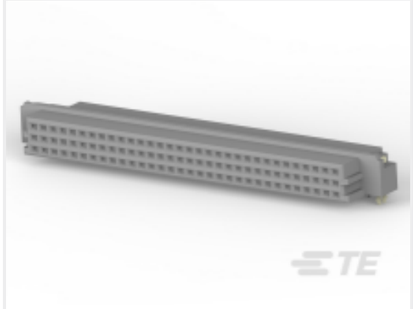
TE Part # 5650912-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,A&C,6



TE Part # 8-1393644-5
V42254B1200C913=PC612 MESSERLE



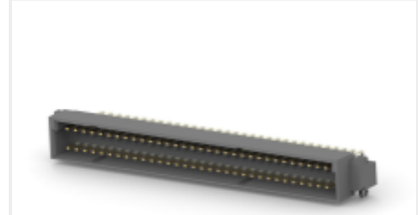
TE Part # 5148296-2
ASSY,RECEPT,EUROCARD,TYPE R,L-FREE,A&B,6



TE Part # 5650897-4
ASSY,RECEPT,EURO,TYPE R,L-FREE,A&C,64/96



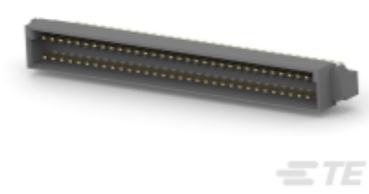
TE Part # 166811-2
RV100 FEM CON 2X32P



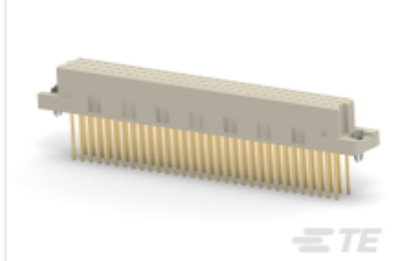
TE Part # 5536356-5
ASSY,PIN,EUROCARD,"C",LEAD-FREE,A&C,64/9



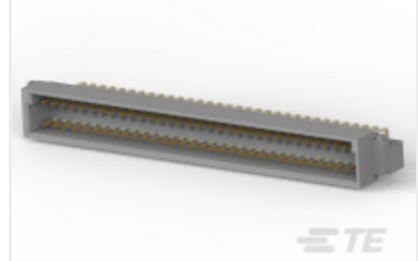
TE Part # 5536481-5
ASSY,RECEPT,EURO,TYPE C,L-FREE



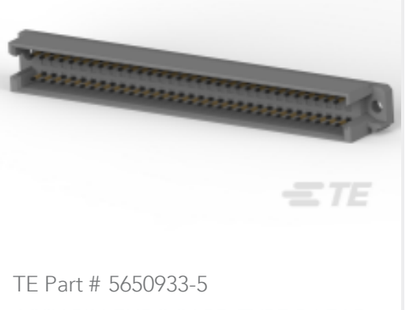
TE Part # 5650951-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-



TE Part # 1-1393642-6
V42254B2240C963=PC612 FEDERLEI



TE Part # 650945-5
064 EURO TYPE C PIN ST ASSY



TE Part # 5650933-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-



TE Part # 5650956-5
ASSEMBLY,RECEPTACLE,EURO,TYPE



TE Part # 5650934-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-

Customers Also Bought



TE Part #1393243-2
RTE24006



TE Part #1622400-1
LR1 1% 24R



TE Part #1623728-8
BCHE 11 W 1K5 5%



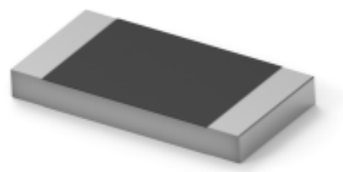
TE Part #2-1623746-7
ER74 330R 5% AMMO PK



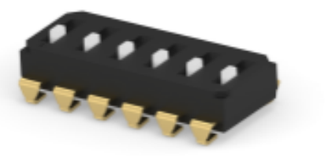
TE Part #3-1879224-9
CPF 0603 7K68 0.1% 25PPM 1K RL



TE Part #9-2176070-1
3521 56K 1% 2W



TE Part #CAT-C339-T547A
Metal Chip Resistor: Current Sense



TE Part #3-2319847-7
END STACK DIP 6P J RAISED T&R

Documents

Product Drawings

ASSY,PIN,EUROCARD,TYPE C,LEAD-

English

ASSY,PIN,EUROCARD,TYPE C,LEAD-

English

CAD Files

Customer View Model

ENG_CVM_CVM_5650945-5_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650945-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650945-5_O.3d_stp.zip

English

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Product Specifications

Application Specification

English