5650870-5 ✔ ACTIVE

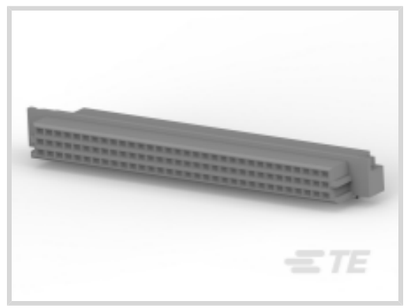
EUROCARD | Eurocard Type R

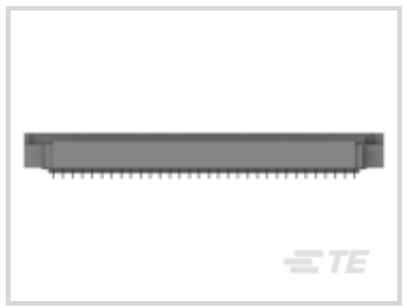
TE Internal #: 5650870-5

Receptacle, Board-to-Board, 64 Position, 2.54 mm [.1 in] Centerline, Printed Circuit Board, 3 Row, Right Angle, Eurocard Type R, Eurocard Connectors

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors




Connector & Housing Type: **Receptacle**

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

Termination Post & Tail Length: **2.79 mm [.11 in]**

Number of Positions: **64**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Half
DIN Level	II

Configuration Features

Number of Positions	64
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	15
Rows Loaded	A, C
Number of Signal Positions	64

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Gray

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
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	2.79 mm[.11 in]

Mechanical Attachment

Connector Mounting Type	Board Mount
Panel Mount Feature	Without
Mating Retention	Without
Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	10.49 mm[.413 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	Package

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 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	Wave solder capable to 265°C

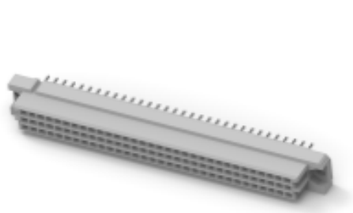
Product Compliance Disclaimer

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

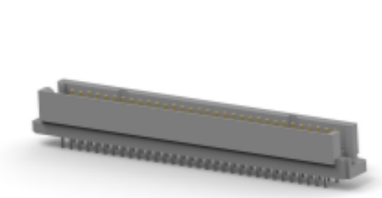
Compatible Parts



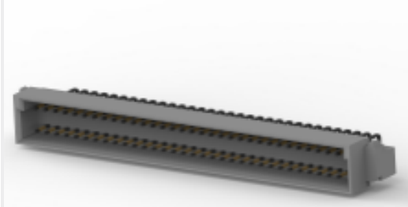
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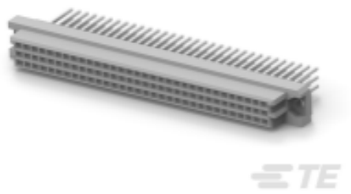
TE Part # 650408-5
064 EURO TYPE C RECEPT ST ASSY



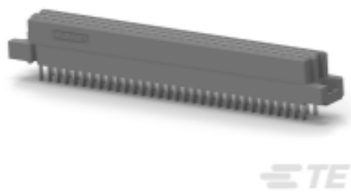
TE Part # 5650912-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,A&C,6



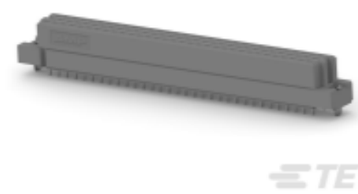
TE Part # 5650945-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-



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



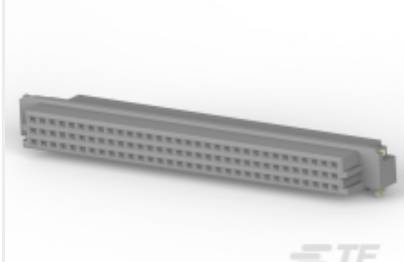
TE Part # 5148296-2
ASSY,RECEPT,EUROCARD,TYPE R,L-FREE,A&B,6



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



TE Part # 650850-5
032 EURO TYPE C RECEPT AP ASSY



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



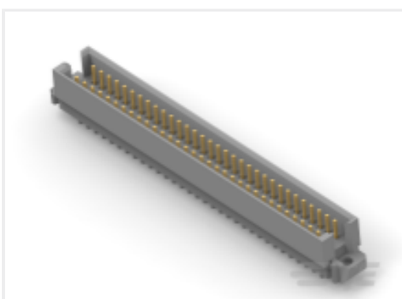
TE Part # 5536481-5
ASSY,RECEPT,EURO,TYPE C,L-FREE



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



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



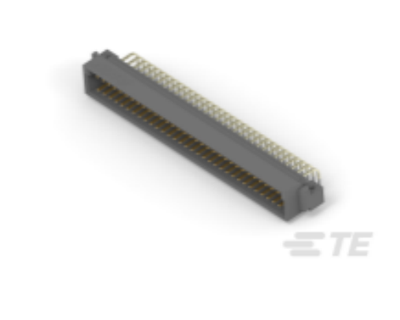
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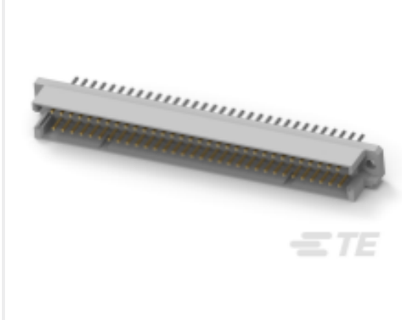
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064 EURO TYPE R PIN MFBL ASSY



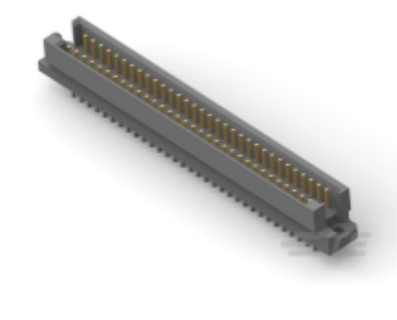
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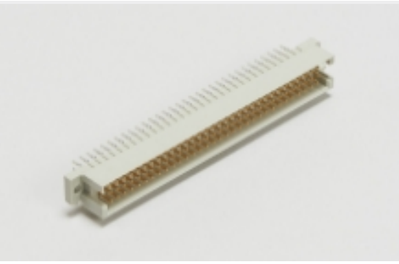


TE Part # 536098-5
064 EURO TYP R PIN AP MFBL ASY

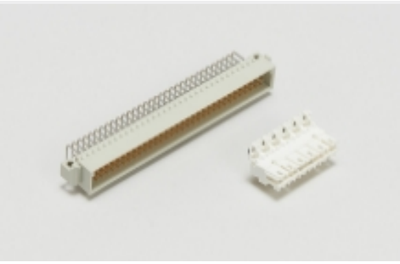


TE Part # 650934-5
064 EURO TYPE R PIN ST ASSY

Also in the Series | Eurocard Type R

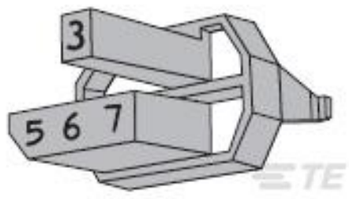


Eurocard Connectors(78)

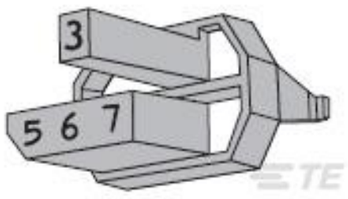


Standard Edge Connectors(1)

Customers Also Bought



TE Part #3-100526-2
Z-PACK F.CODING KEY



TE Part #5-100526-4
CODING DEV INSRT COLOR GREEN



TE Part #535032-5
096 EURO TYPE C RECEPT AP ASSY



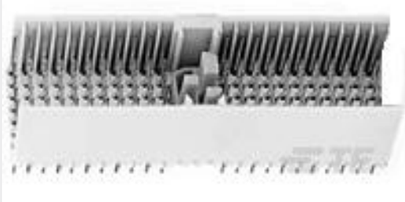
TE Part #2007093-1
SFP+ EMI Shielded1x4 CageAssm /Light pipe



TE Part #2007169-1
SFP 1x6 cage Assm Light Pipe, EMI gasket



TE Part #5100145-1
Z-PACK/B25 RAF 125P

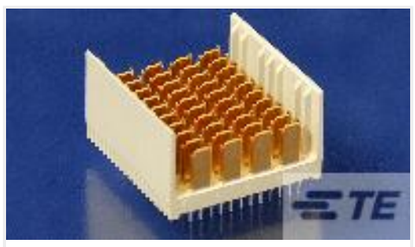


TE Part #5106164-1
Z-PACK/A M-HDR 110P



TE Part #3-5175475-6
CHAMP 050 B/B REC V W/LEG 50P

TE Part #5188647-1
Z-PACK/B M-HDR 125P



TE Part #6469074-1
HM-ZD 4PR HDR ASSY 1.8MM

Documents

Product Drawings

ASSEMBLY,RECEPTACLE,EURO,TYPE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650870-5_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5650870-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650870-5_O.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English