5148020-5 ✔ ACTIVE

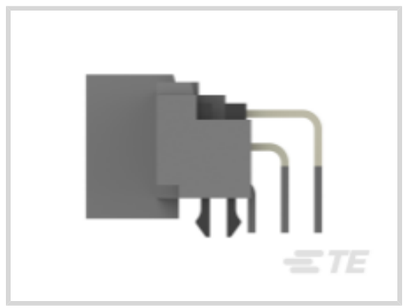
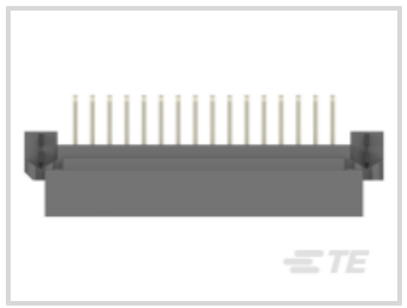
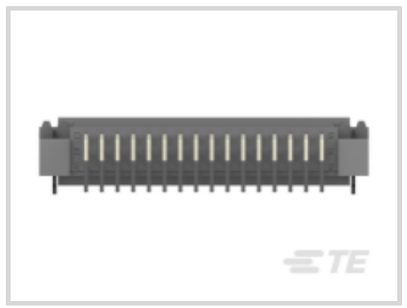
EUROCARD

TE Internal #: 5148020-5

Plug, Board-to-Board, 48 Position, 2.54 mm [.1 in] Centerline, Printed Circuit Board, 3 Row, Right Angle, 16 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: **48**

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	Half
DIN Level	II

Configuration Features

Mating & Unmating Configuration	Make First / Break Last
Number of Positions	48
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	16
Rows Loaded	A, C
Number of Signal Positions	20

Contact Features

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
Panel Mount Feature	With
Mating Retention	Without
PCB Mount Retention Type	Boardlock
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

PCB Thickness (Recommended)	5.41 mm
Connector Height	12.62 mm
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	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tray

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	Reflow solder capable to 260°C

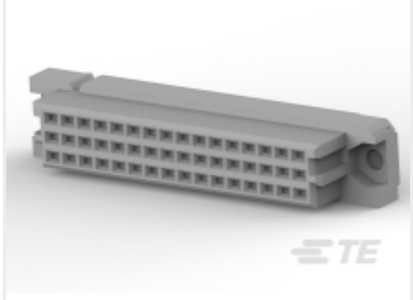
Product Compliance Disclaimer

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



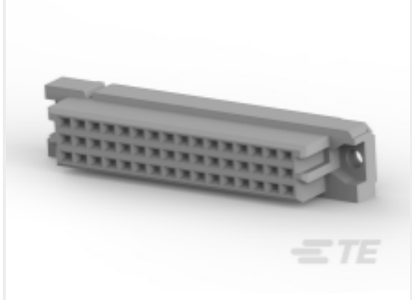
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ASSY,PIN,EUROCARD,TYPE R/2,LEAD-FREE,48



TE Part # 5535070-5
ASSY,RECEPTACLE,EUROCARD,TYPE



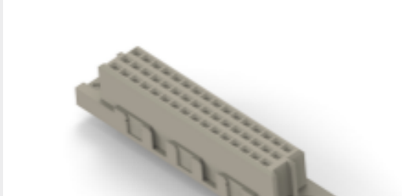
TE Part # 5650477-5
ASSY,PIN,EUROCARD,TYPE R/2,LEAD-FREE,48



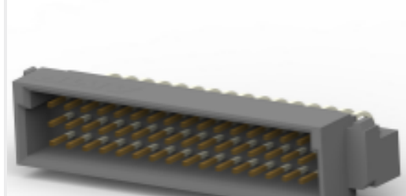
TE Part # 5535034-4
ASSY,RECEPTACLE,EUROCARD,TYPE C/2,L-FREE



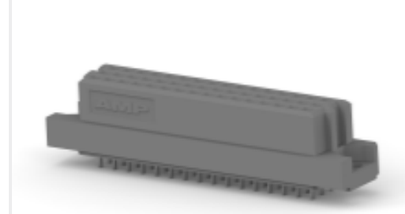
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V42254P2263C480=PC612 FEDERLEI



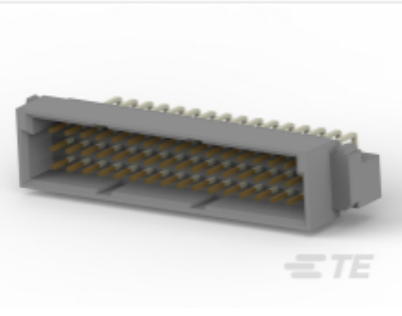
TE Part # 8-1393640-3
V42254B2201C410=PC612 FEDERLEI



TE Part # 5650948-5
ASSY,PIN,EUROCARD,TYPE C/2,LEA



TE Part # 5535091-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



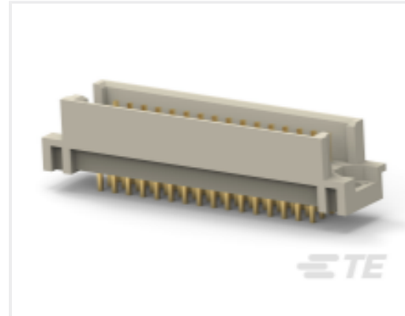
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ASSY,PIN,EUROCARD,TYPE C/2,LEA



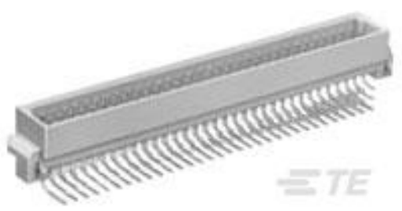
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ASSY,PIN,EUROCARD,TYPE C/2,LEAD-FREE,48



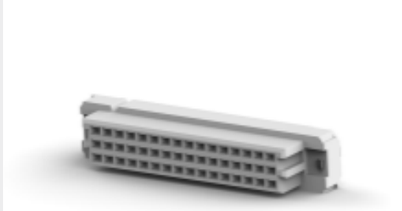
TE Part # 5148083-1
048 EURO TYPE C PIN MFBL ASSY



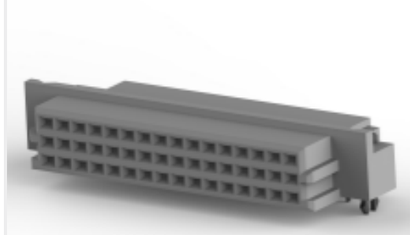
TE Part # 2-1393659-6
V42254B1201R480=PC612 MESSERLE



TE Part # 1393644-9
V42254B1100C480=PC612 MESSERLE



TE Part # 1-5536397-5
ASSY,RECEPT,EURO,TYPE C/2,LEAD



TE Part # 5650893-5
ASSY,RECEPT,EUROCARD,TYPE R/2,L-FREE,48,



TE Part # 5148474-1
ASSY,PIN,EUROCARD,TYPE R/2,LEAD-FREE,48



TE Part # 5536484-5
ASSY,RECEPT,EURO,TYPE C/2,L-FR



TE Part # 5650916-5
ASSY,PIN,EUROCARD,TYPE C/2,LEA

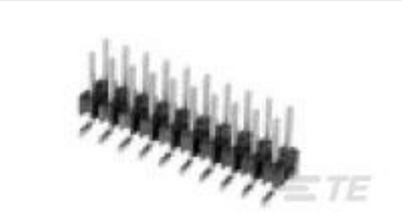


TE Part # 5650868-5
ASSY,RECEPTACLE,EUROCARD,TYPE R/2,LEAD-F



TE Part # 5535071-4
ASSY,RECEPTACLE,EUROCARD,TYPE

Customers Also Bought



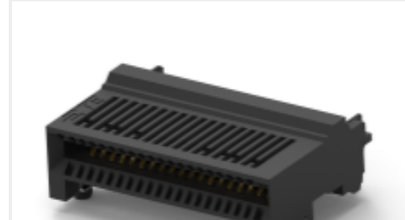
TE Part #5-147279-2
10 MODII HDR DR SFMT B/A T&R LF



TE Part #650466-5
032 EURO TYPE C RECEPT ST ASSY



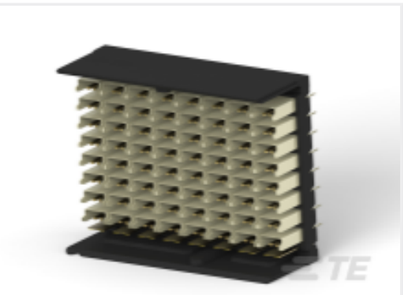
TE Part #3-1423673-9
W51-A152A1-5=CKTBKR,THERM,ROC



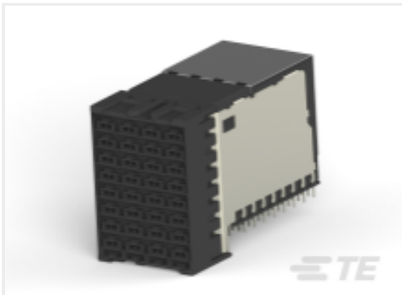
TE Part #1551920-4
zQSFP+ connector assembly



TE Part #2170088-1
ZSFP+ Connector,30u"



TE Part #2187614-1
SW PIR HDR BFP, 85OHM, 8X8 OEW



TE Part #2187645-1
SW PIR RECT, 85OHM, 8X4



TE Part #5555163-2
MJ,LPF,R/A,6P/4C,PNL STOPS,BU



TE Part #5650478-5
ASSY,PIN,EUROCARD,TYPE C/2,LEA

TE Part #2391605-4
DDR5SODIMM 262P 8.0H METAL LATCH STD,15u

Documents

Product Drawings

ASSY,PIN,EURO,"C/2",L-FREE,48

English

ASSY,PIN,EURO,"C/2",L-FREE,48

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5148020-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5148020-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5148020-5_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English