5650914-5 ✔ ACTIVE

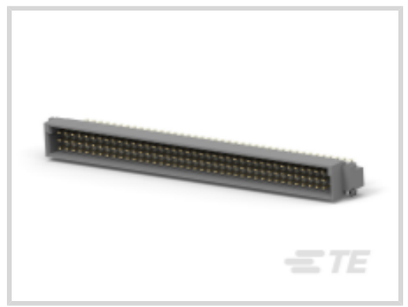
EUROCARD

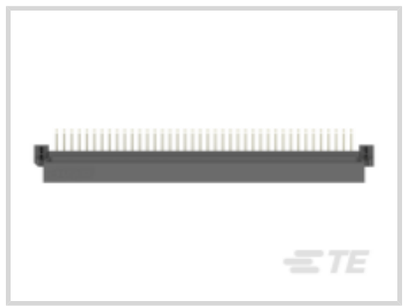
TE Internal #: 5650914-5

Plug, Board-to-Board, 120 Position, 2.54 mm [.1 in] Centerline, Printed Circuit Board, 3 Row, Right Angle, 40 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: **120**

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	Expanded
DIN Level	II

Configuration Features

Number of Positions	120
Number of Rows	3
PCB Mount Orientation	Right Angle
Number of Columns	40
Number of Signal Positions	120
Rows Loaded	A, B, C

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Gray

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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	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	Without
PCB Mount Retention	With
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
Mating Alignment	With
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	11.1 mm[.437 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

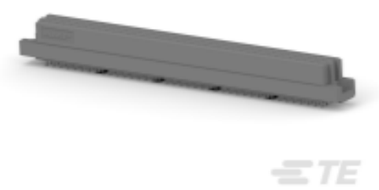
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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

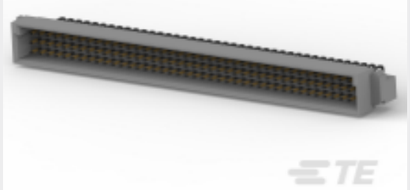
Product Compliance Disclaimer

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



TE Part # 5535097-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



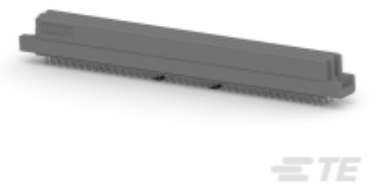
TE Part # 5650906-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-



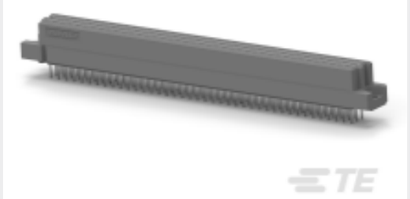
TE Part # 5535098-4
ASSEMBLY,RECEPTACLE,EUROCARD, T



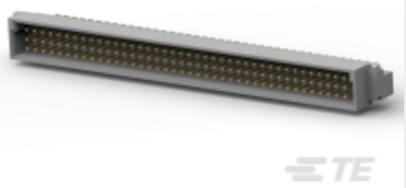
TE Part # 5536489-5
ASSY,RECEPT,EURO,TYPE C,L-FREE



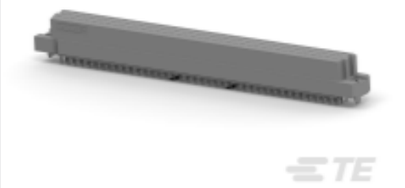
TE Part # 5535098-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part # 5535079-5
ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FRE



TE Part # 5650949-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P



TE Part # 5536494-5
ASSY,RECEPTACLE,EUROCARD,TYPE

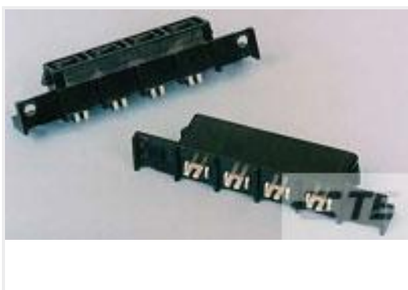
Customers Also Bought



TE Part #CSE-SGAM-914-SGFB
SMA to SMA 914mm RG316



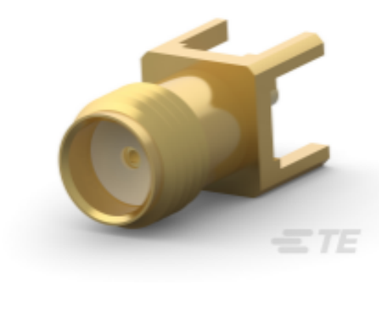
TE Part #5-102570-8
20 MODII HDR DRRA SHRD LF



TE Part #556881-2
RCPT ASY,VRT,AMPINRGY WTB,2POS



TE Part #2-1761679-3
IDC LOW PRO HDR 10P VERT BLUE



TE Part #5-1814832-2
SMA Str PCB Skt GZD



TE Part #1825139-8
A203SYCB04



TE Part #5-2340321-1
ASSY STRADDLE MOUNT 168P 062 SLIVER 2.0



TE Part #2391132-3
MB Lite,R/A,HDR,SOLDER,5LP+25S



TE Part #3-6450332-2
MBXL R/A HDR 4P+12S



TE Part #1-6609036-4
30VSK6=F7518 S0

Documents

Product Drawings

ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P

English

ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P

English

CAD Files

Customer View Model

ENG_CVM_CVM_5650914-5_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5650914-5_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5650914-5_O.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English