# 5650978-5 ✔ ACTIVE

EUROCARD

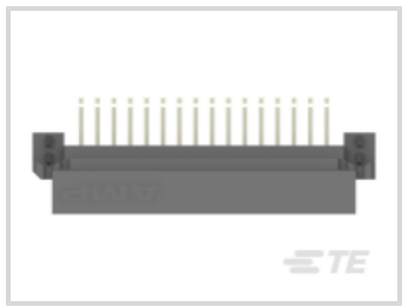
TE Internal #: 5650978-5

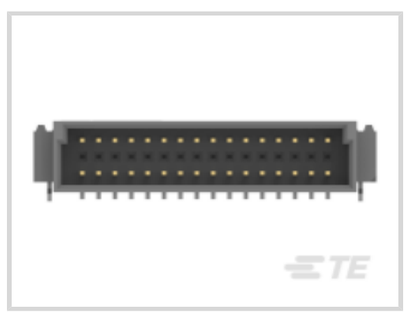
Eurocard Connectors, Plug, Board-to-Board, Termination Post & Tail Length 2.64 mm [.104 in], 32 Position, 2.54mm [.1in] Centerline

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: **32**

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

## Features

### Product Type Features

| | |
|---|---|
| Connector & Housing Type | Plug |
| Connector System | Board-to-Board |
| Sealable | No |
| 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 | 32 |
| Number of Rows | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Columns | 16 |
| Number of Signal Positions | 32 |
| Rows Loaded | A |

### Contact Features

| | |
|---|---|
| Contact Cross Section | .64 x .64 mm[.025 x .025 in] |
| PCB Contact Termination Area Plating Material Thickness | .1 – .2 µm[3.93 – 7.87 µin] |
| Contact Type | Pin |
| Contact Mating Area Plating Material Thickness | .003 µm |
| Contact Mating Area Plating Material | Gold |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 1.5 A |

## Termination Features

| | |
|---|---|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post & Tail Length | 2.64 mm[.104 in] |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | Polyester - GF |
| Housing Color | Gray |

| | |
|---|---|
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Connector Height | 12.62 mm[.496 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 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 |

## 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: JAN 2021 (211)<br>Candidate List Declared Against: JUL 2019 (201)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

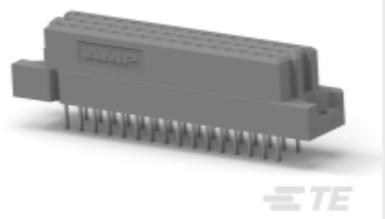
Product Compliance Disclaimer

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

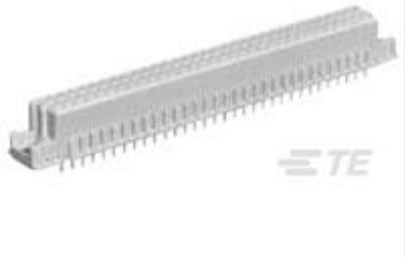
## Compatible Parts



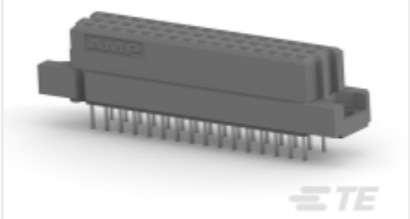
TE Part # 5650459-5
ASSEMBLY,RECEPTACLE,EURO,TYPE



TE Part # 5535068-5
ASSY,RECEPTACLE,EURO,TYPE C/2,L-FREE,A&C



TE Part # 2-1393641-6
V42254B2202C483=PC612 FEDERLEI



TE Part # 5650466-5
ASSEMBLY,RECEPTACLE,EURO,TYPE



TE Part # 8-1393640-6
V42254B2201C483=PC612 FEDERLEI



TE Part # 166870-5
3X32P MT TAN BU ST

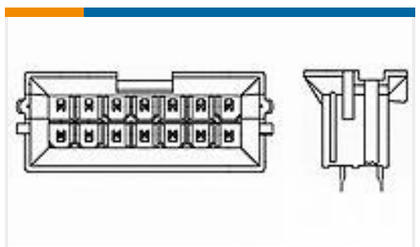
## Customers Also Bought



TE Part #2308171-1
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, BTB



TE Part #2308171-6
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, BTB



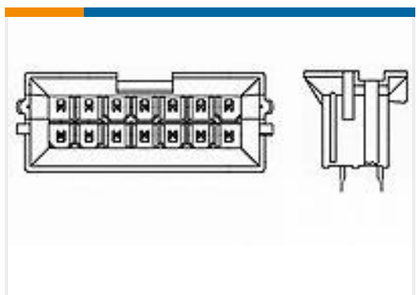
TE Part #1586588-4
4P VAL-U-LOK BMI VRT HDR V0



TE Part #4-2170808-5
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP



TE Part #5054134024
RNF-3000 Single Wall Stick Heat Shrink



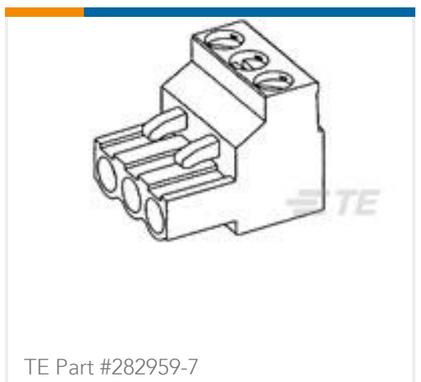
TE Part #1-1586588-4
14P VAL-U-LOK BMI VRTHDR V0



TE Part #2057425-2
IMP100S,H,V2P10C,RG,LEW39,4.9



TE Part #2149976-3
IMP100S,H,V4P6C,UG,DEW39,5.5



TE Part #282959-7
TERMI-BLOK PLUG 7P. 7



TE Part #910522-000
55A1121-24-9/93-9

## Documents

### Product Drawings

ASSY,PIN,EURO,TYPE C/2,LEAD-FREE,A&C,32/

English

ASSY,PIN,EURO,TYPE C/2,LEAD-FREE,A&C,32/

English

### CAD Files

3D PDF

3D

## Customer View Model

ENG_CVM_CVM_5650978-5_O.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_5650978-5_O.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_5650978-5_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