# 650946-5 ✔ ACTIVE

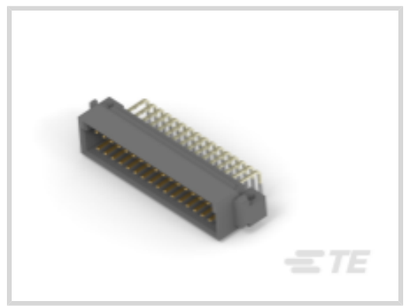
EUROCARD

TE Internal #: 650946-5

Plug, Board-to-Board, 32 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: **32**

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

| | |
|---|---|
| Number of Power or Coaxial Positions | 32 |
| Number of Positions | 32 |
| Number of Rows | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Columns | 16 |
| Rows Loaded | A, C |
| Number of Signal Positions | 32 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VAC |

## Contact Features

| | |
|---|---|
| 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 | Brass |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Type | Pin |
| 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 | 2.64 mm[.104 in] |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.57 mm |
| Connector Height | 12.62 mm[.497 in] |
| 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 | Power & 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 240°C |

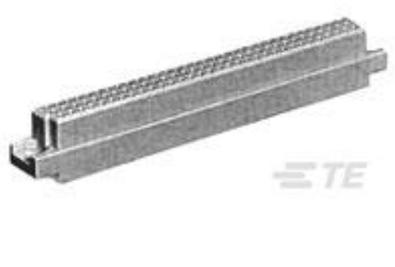
Product Compliance Disclaimer

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

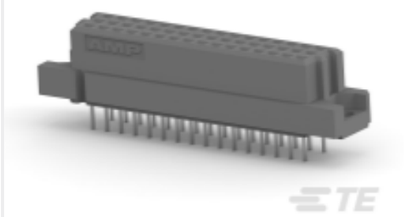
TE Part # 650657-8
032 EURO TYPE C RECEPT ST ASSY

TE Part # 650459-5
032 EURO TYPE C RECEPT ST ASSY



TE Part # 926040-2
48P MOD 4 HSG

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



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

TE Part # 650466-5
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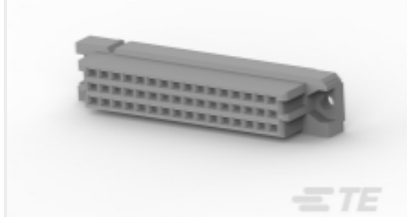

TE Part # 650957-3
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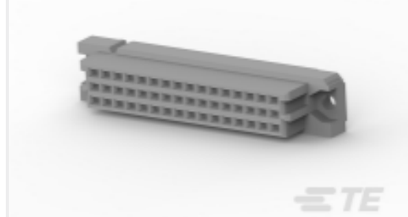

TE Part # 650957-8
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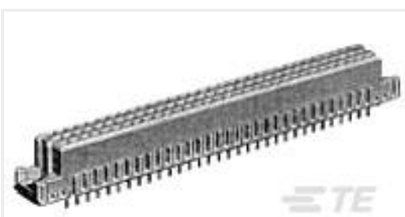
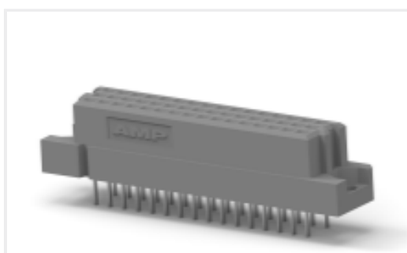


TE Part # 8-1393640-6
V42254B2201C483=PC612 FEDERLEI

TE Part # 650957-4
032 EURO TYPE C RECEPT ST ASSY

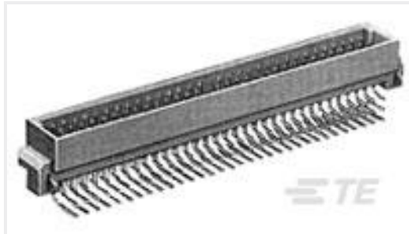


TE Part # 5535068-5
ASSY,RECEPTACLE,EURO,TYPE C/2,L-FREE,A&C

## Customers Also Bought

TE Part #280390-2
2X8P MODU II SHRD HDR,RT ANG, 0.38AU

TE Part #280522-2
2X12P MODU II SHRD HDR, RT ANG, AU

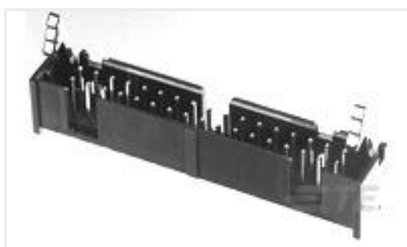


TE Part #650478-5
048 EURO TYPE C PIN ST ASSY

TE Part #770193-1
UMNL II GROUND PIN 14-20 AWG

TE Part #8-1437657-0
8PCV-04-006=#8 TRIBARRIER

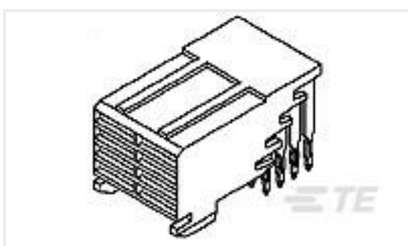
TE Part #2-1658527-8
622-3441LF=FSKT IDC S 34 30AU



TE Part #3-1761606-1
IDC LOW PRO HDR 34P VERT LA

TE Part #3-2176070-1
3521 180R 1% 2W

TE Part #1-5499786-1
A/L UNIV HDR 60P RA LAT



TE Part #5536613-1
2MM FB,ASY,008,PWR,REC,SL,3.53

## Documents

## Product Drawings

032 EURO TYPE C PIN ST ASSY

English

032 EURO TYPE C PIN ST ASSY

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_650946-5_S_c-650946-5-s.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_650946-5_S_c-650946-5-s.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_650946-5_S_c-650946-5-s.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