# 650916-5 ✔ ACTIVE

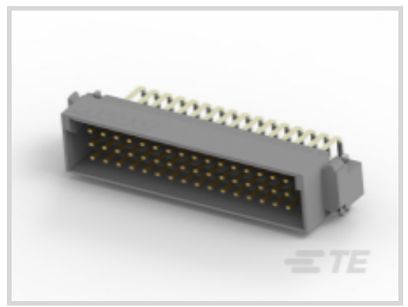
EUROCARD

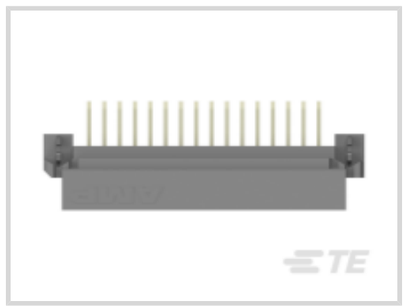
TE Internal #: 650916-5

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

| | |
|---|---|
| Number of Power or Coaxial Positions | 48 |
| 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 | 48 |

### 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 |
| PCB Mount Retention Type | Boardlock |
| Mating Alignment | With |
| PCB Mount Retention | With |
| PCB Mount Alignment | 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

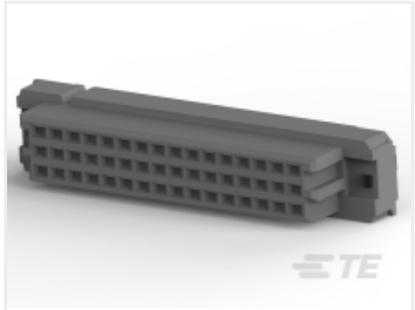
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 240°C |

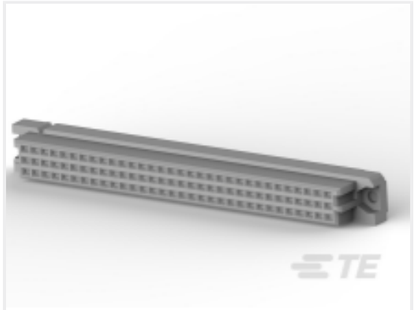
Product Compliance Disclaimer

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



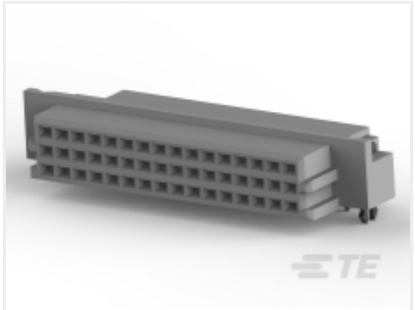
TE Part # 5536397-5
ASSY,RECEPT,EURO,TYPE C/2,LEAD



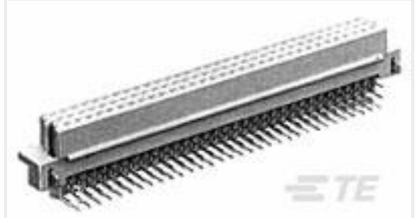
TE Part # 5535071-4
ASSY,RECEPTACLE,EUROCARD,TYPE



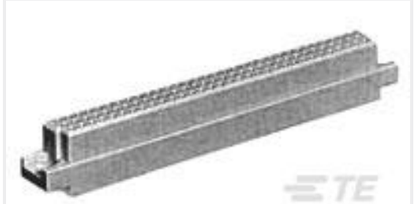
TE Part # 5536484-5
ASSY,RECEPT,EURO,TYPE C/2,L-FR



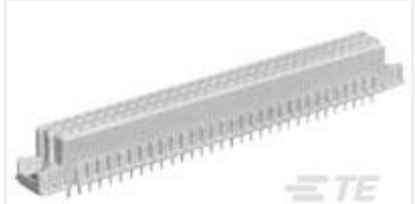
TE Part # 5650893-5
ASSY,RECEPT,EUROCARD,TYPE R/2,L-FREE,48,



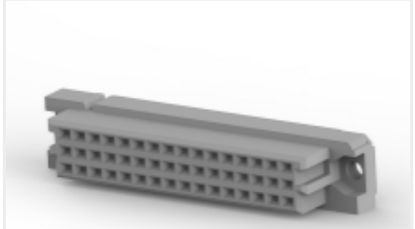
TE Part # 650893-4
048 EURO TYPE R RECEPT BL ASSY



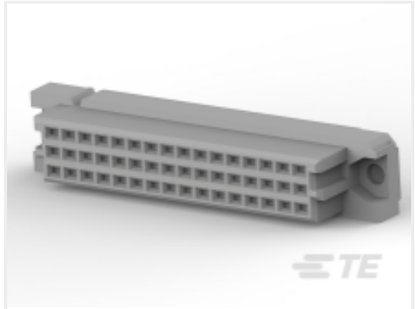
TE Part # 926040-2
48P MOD 4 HSG



TE Part # 4-1393637-4
V42254P2263C480=PC612 FEDERLEI



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



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



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



TE Part # 1393642-9
V42254B2240C480=PC612 FEDERLEI



TE Part # 1393640-7
V42254B2101C480=PC612 FEDERLEI



TE Part # 5535070-4
ASSY,RECEPTACLE,EUROCARD,TYPE

## Customers Also Bought



TE Part #ADP-SMAM-SMAM-G
SMA Plug to SMA Plug



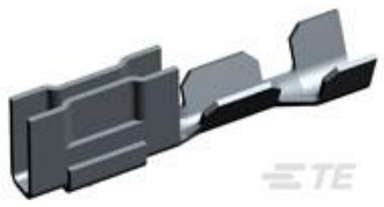
TE Part #3-350945-0
05P UMNL HDR ASSY R/A 94VO LF



TE Part #368572-9
PDL 3P CAP 3.96 F/H(GWT) BLK



TE Part #1-1337447-0
BNC Ins BHSkt 50Ohm Nickel Silver Pltd



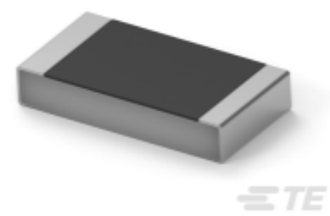
TE Part #1375819-2
CST-100 II CONTACT 15 GOLD PLT



TE Part #1-1625873-0
LR0204 LAB-KIT



TE Part #1825910-2
FSM2JH=6MM TACT SWITCH, HIGH TEMP



TE Part #3-2176458-7
CPF 1206 2R37 0.1% 25ppm 1K RL



TE Part #5555165-1
M/J, LPF, R/A, 6P/6C, TIN, BUL



TE Part #1725122-1
BNC CONNECTOR REMOVAL TOOL

## Documents

### Product Drawings

048 EURO TYPE C PIN BL ASSY

English

### CAD Files

Customer View Model

ENG_CVM_CVM_650916-5_P.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_650916-5_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_650916-5_P.3d_stp.zip

English

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### Product Specifications

Application Specification

English