

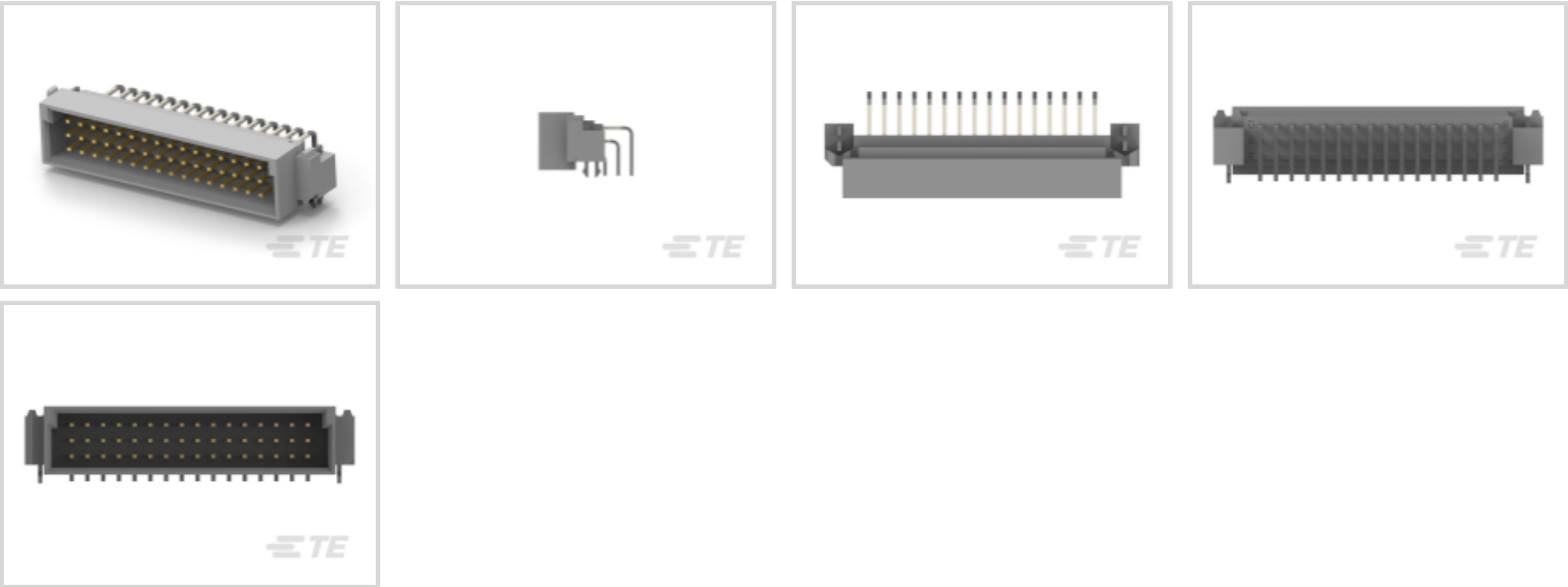


EUROCARD

TE Internal #: 148020-5
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 Positions | 48 |
| Number of Rows | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Columns | 16 |
| Rows Loaded | A, C |
| Number of Signal Positions | 48 |

Body Features

| | |
|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|



Contact Features

| | |
|--|-------------|
| Contact Mating Area Plating Material | Nickel (Ni) |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Type | Pin |
| Contact Mating Area Plating Material Thickness | 1.27 µm |
| Contact Current Rating (Max) | 3 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 |
| Mating Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Alignment Type | Polarization |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

Housing Features

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

Dimensions

| | |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--|--|
| | |
|--|--|



| | |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: 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 | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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 # 2-1393641-5
V42254B2202C480=PC612 FEDERLEI



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



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



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





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



TE Part # 926040-2
[48P MOD 4 HSG](#)



TE Part # 926040-1
[48P MOD 4 HSG](#)



TE Part # 4-1393637-4
[V42254P2263C480=PC612 FEDERLEI](#)



TE Part # 8-1393640-5
[V42254B2201C480=PC612 FEDERLEI](#)



TE Part # 5535070-5
[ASSY,RECEPTACLE,EUOCARD,TYPE](#)



TE Part # 5535034-4
[ASSY,RECEPTACLE,EUOCARD,TYPE C/2,L-FREE](#)



TE Part # 1393640-7
[V42254B2101C480=PC612 FEDERLEI](#)



TE Part # 1393642-9
[V42254B2240C480=PC612 FEDERLEI](#)



TE Part # 5535070-4
[ASSY,RECEPTACLE,EUOCARD,TYPE](#)

Customers Also Bought



TE Part #1-406541-9
[MJ,INV,1X1,6PNL G.,100"ST,SN](#)



TE Part #5650473-5
[ASSY,PIN,EUOCARD,TYPE C,LEAD-](#)



TE Part #1462037-1
[IM01GR=IM RELAY 140mW 3V](#)



TE Part #5520259-4
[MJ,TE,8P,TRAYS](#)

Documents

Product Drawings

[048 EURO TYPE C PIN BL ASSY](#)

English

[048 EURO TYPE C PIN BL ASSY](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_148020-5_D.2d_dxf.zip](#)



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_148020-5_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_148020-5_D.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