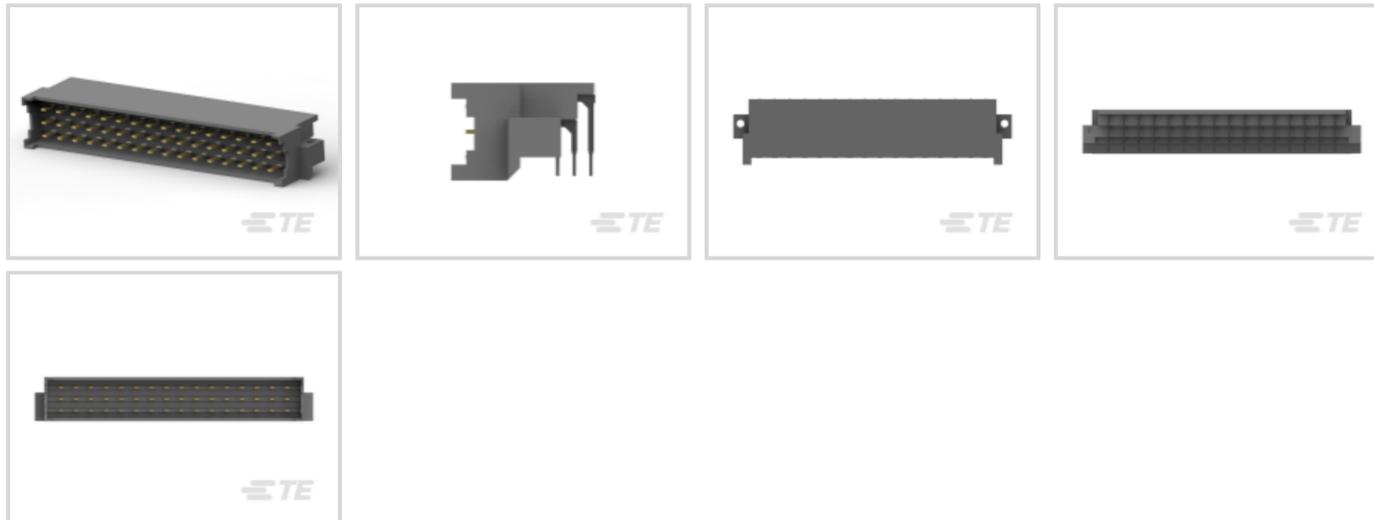




Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

Connector System: **Board-to-Board**

Termination Post & Tail Length: **2.9 mm [.114 in]**

Number of Positions: **48**

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

Features

Product Type Features

| | |
|---------------------------------------|-----------------------|
| Eurocard Connector Configuration Type | Type F |
| Connector & Housing Type | Plug |
| Connector System | Board-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |
| DIN Size | Standard |
| DIN Level | I |

Configuration Features

| | |
|----------------------------|-------------|
| Number of Positions | 48 |
| Number of Rows | 3 |
| PCB Mount Orientation | Right Angle |
| Number of Columns | 16 |
| Rows Loaded | Z, B, D |
| Number of Signal Positions | 48 |

Body Features

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

Contact Features

| | |
|---|-----------|
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5.5 A |

Termination Features

| | |
|--------------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 2.9 mm[.114 in] |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
| Panel Mount Feature | Without |
| Mating Retention | With |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| PCB Mount Alignment | Without |

Housing Features

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

Dimensions

| | |
|--------------------|-----------------|
| Connector Height | 21.8 mm |
| Row-to-Row Spacing | 3.81 mm[.15 in] |

Operation/Application

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

Industry Standards

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

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Product Compliance

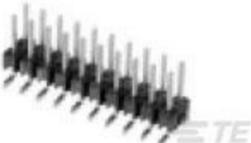
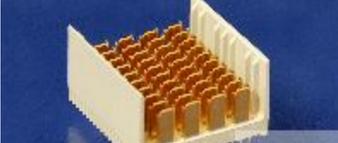
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°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>

Customers Also Bought

| | | | |
|---|--|--|--|
|  <p>TE Part #5-103325-6 06 MODII HD SRRA B/A .100CL,LF</p> |  <p>TE Part #5-147279-7 08 MODII HDR DR SFMT B/A T&R LF</p> |  <p>TE Part #1934301-1 TinMan header Assy 3x8 Right</p> |  <p>TE Part #2110069-1 SFP+ 1x4 Cage Assembly, Light Pipes</p> |
|  <p>TE Part #2338336-2 SCREW SLIVER2.0 STRADDLE MOUNT</p> |  <p>TE Part #6469079-1 HMZD HDR ASSY 4 PR SELECT LOAD</p> |  <p>TE Part #6469251-1 HM ZD 4 PR RECPT ASSY, 5 COLUMN Sn</p> |  <p>TE Part #3-2299924-6 ZQSFP+ STACKED REC ASSEMBLY 2X3, W/LP HS</p> |



Documents

Product Drawings

[48P.IEC-F MALE CONN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-164045-1_T1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-164045-1_T1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-164045-1_T1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Workmanship Specification](#)

English