

650479-5 ✓ ACTIVE

[EUROCARD | Eurocard Type R](#)

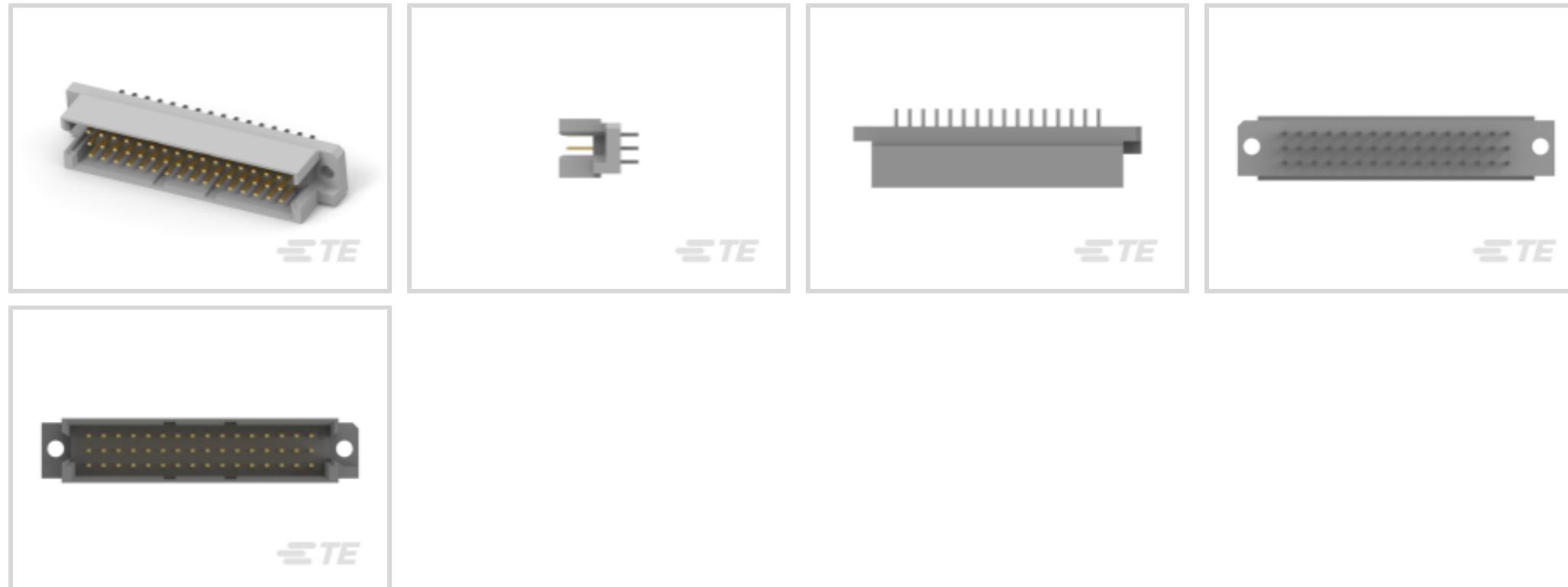
TE Internal #: 650479-5

Eurocard Connectors, Plug, Board-to-Board, 48 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Vertical, 16 Column, Eurocard Type R

[View on TE.com >](#)



Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **3.3 mm [.13 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	Vertical
Number of Columns	16
Number of Signal Positions	48
Rows Loaded	A, B, C

### Electrical Characteristics

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

#### Body Features

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

#### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 - 5.08 $\mu\text{m}$ [100 - 200 $\mu\text{in}$ ]
---	---

Contact Type	Pin
--------------	-----

Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
--	--

Contact Mating Area Plating Material	Gold
--------------------------------------	------

PCB Contact Termination Area Plating Material	Tin-Lead
---	----------

Contact Base Material	Brass
-----------------------	-------

Contact Current Rating (Max)	1.5 A
------------------------------	-------

#### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Termination Post & Tail Length	3.3 mm[.13 in]
--------------------------------	----------------

#### Mechanical Attachment

Mating Alignment Type	Polarization
-----------------------	--------------

Mating Retention	With
------------------	------

Mating Alignment	With
------------------	------

PCB Mount Retention	Without
---------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

#### 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 - 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](http://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 2024  
(240)Candidate List Declared Against: JAN 2024  
(240)SVHC > Threshold:  
Pb (13% in Component Part)

**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

Not Low Halogen - contains Br or Cl &gt; 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 # 5650868-5  
ASSY,RECEPTACLE,EUROCARD,TYPE  
R/2,LEAD-F



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



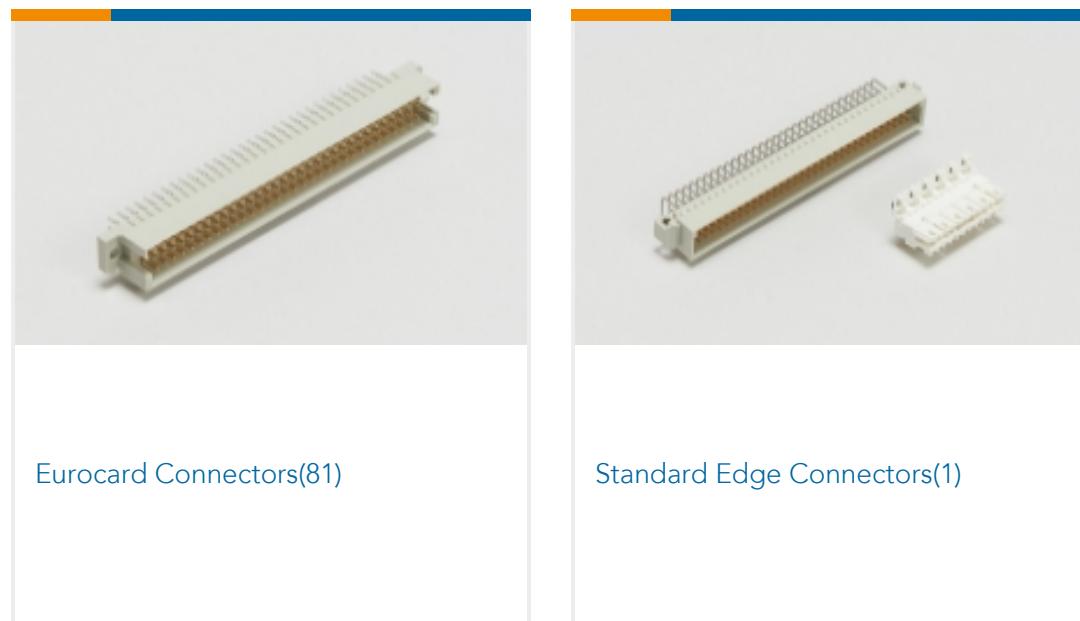
TE Part # 5650868-4  
ASSY,RECEPTACLE,EUROCARD,TYPE



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

TE Part # 5536397-5  
ASSY,RECEPT,EURO,TYPE C/2,LEADTE Part # 5650868-9  
ASSY,RECEPTACLE,EUROCARD,TYPE

## Also in the Series | Eurocard Type R



Eurocard Connectors(81)

Standard Edge Connectors(1)

## Customers Also Bought

TE Part # 1735446-3  
2MM PITCH HPI POST HEADER,  
VERTICAL, 3PTE Part # 1625854-1  
1206 PROBE PADTE Part # 292207-3  
MINI CT SGL DIP V 3P NATTE Part # 2118715-2  
STD SHIELD COVER, CRS-16.90X16.  
90X2.00MMTE Part # 1-2176337-4  
CRGQ 0402 120R 1%TE Part # 1-2176308-2  
RP 1E 0.1W 174K 0.1% 25PPM 5K RLTE Part # 2102847-1  
DC, 7Row, Center, MULTIGIG RT 2RTE Part # 4-2176455-3  
CPF 0402 301K 0.1% 25ppm 1K RLTE Part # 1878643-6  
M5031C

## Documents

### Product Drawings

#### 048 EURO TYPE R PIN ST ASSY

English

---

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_650479-5\\_K.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_650479-5\\_K.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_650479-5\\_K.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