

5650921-5  ACTIVE

## EUROCARD | Eurocard Type R

TE Internal #: 5650921-5

Eurocard Connectors, Plug, Board-to-Board, 120 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 3 Row, Vertical, Eurocard Type R

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Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: **Plug**

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

Termination Post & Tail Length: **6.35 mm [.25 in]**

Number of Positions: **120**

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	Expanded
DIN Level	II

### Configuration Features

Number of Positions	120
Number of Rows	3
PCB Mount Orientation	Vertical
Number of Columns	40
Number of Signal Positions	120
Rows Loaded	A, B, C

### Electrical Characteristics

Operating Voltage	250 VAC
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### Body Features

Primary Product Color	Gray
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### 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
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post & Tail Length	6.35 mm[.25 in]

### Mechanical Attachment

Mating Retention	Without
Mating Alignment	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Connector Height	11.4 mm[.45 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]
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### Operation/Application

Circuit Application	Signal
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## Industry Standards

UL Flammability Rating	UL 94V-0
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## Packaging Features

Packaging Method	Box
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## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

### 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>

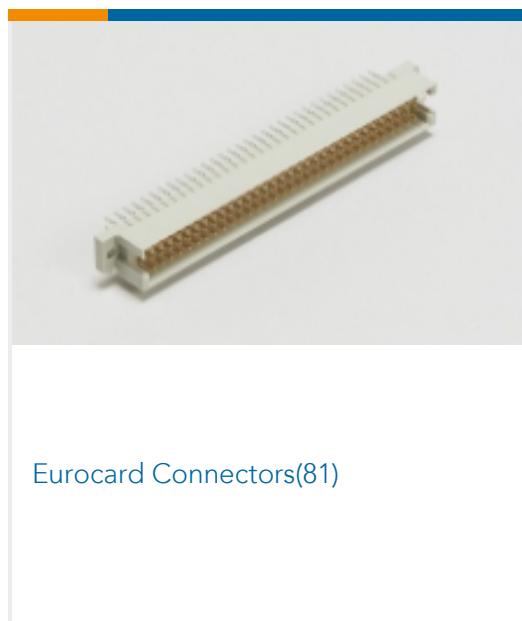
## Compatible Parts

			
TE Part # 5650874-5 ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	TE Part # 5650906-5 ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P	TE Part # 5650874-4 ASSY,RECEPTACLE,EUROCARD,TYPE C,LEAD-FREE,120 P	TE Part # 5650949-5 ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,120 P

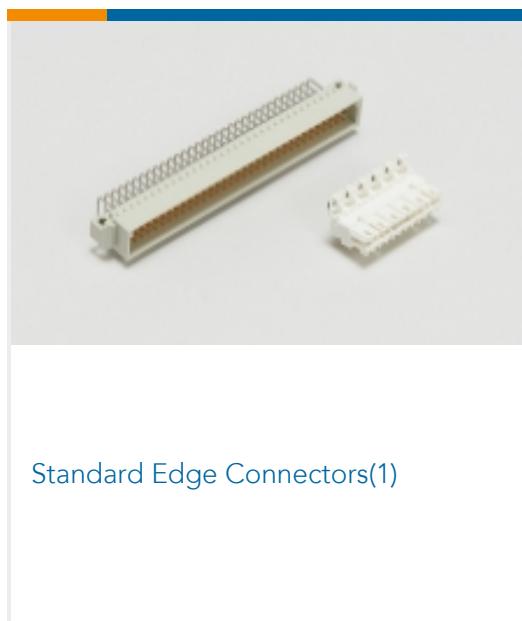


TE Part # 5148360-5  
ASSY,RECEPTACLE,EUROCARD,TYPE

## Also in the Series | Eurocard Type R



Eurocard Connectors(81)



Standard Edge Connectors(1)

## Customers Also Bought



TE Part # 5-51864-1  
TERMINAL,PIDG R 16-14 10



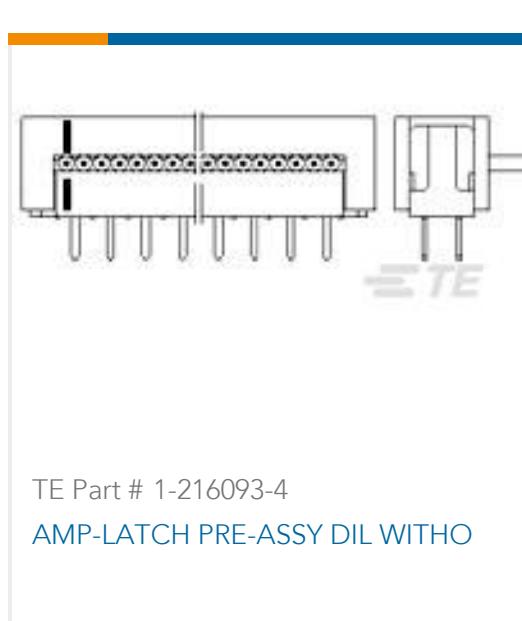
TE Part # 5650919-5  
ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,120 P



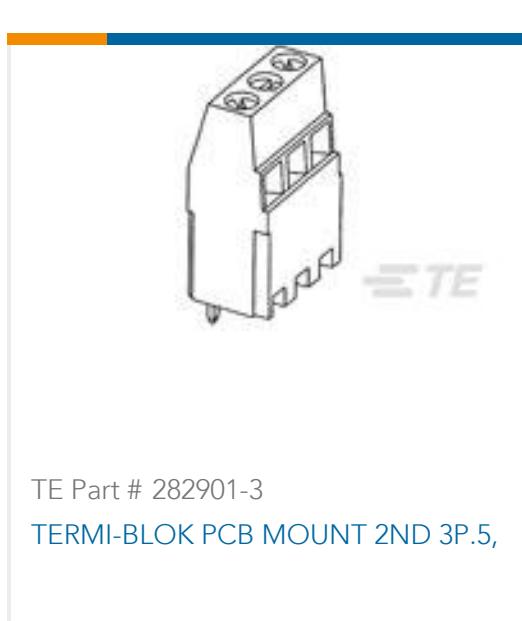
TE Part # 1-770743-1  
10P MINI UMNL HDR ASSY VRT LF



TE Part # 2-87224-0  
20 MODII HDR SRST UNSHRD .100



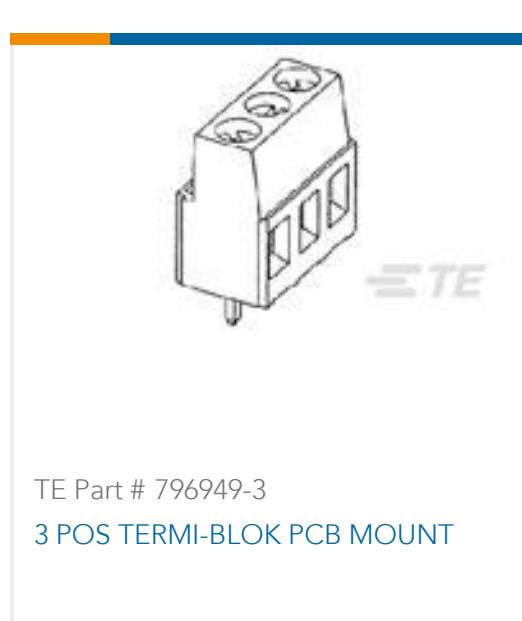
TE Part # 1-216093-4  
AMP-LATCH PRE-ASSY DIL WITHO



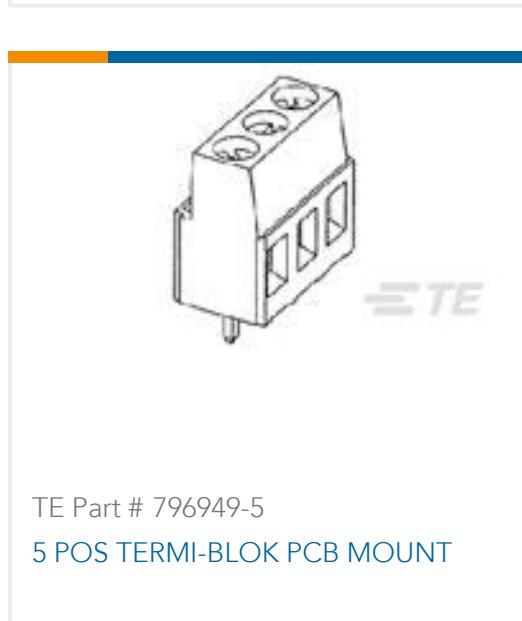
TE Part # 282901-3  
TERMI-BLOK PCB MOUNT 2ND 3P.5,



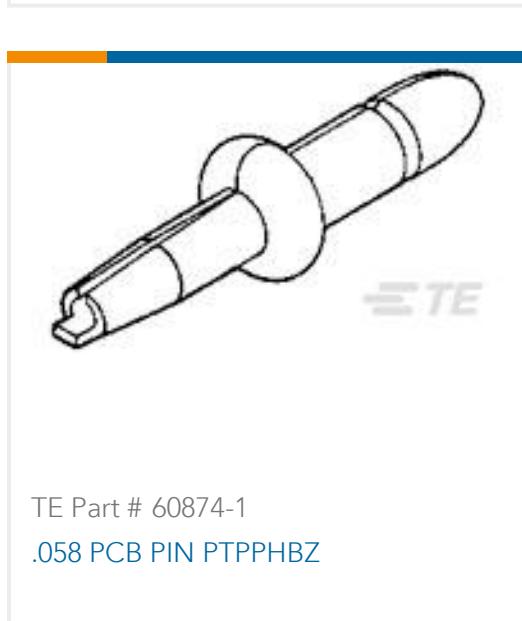
TE Part # 5535098-5  
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part # 796949-3  
3 POS TERMI-BLOK PCB MOUNT



TE Part # 796949-5  
5 POS TERMI-BLOK PCB MOUNT



TE Part # 60874-1  
.058 PCB PIN PTTPHBZ

## Documents

### Product Drawings

[ASSY,PIN,EUROCARD,TYPE R,LEAD-FREE,120 P](#)

English

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### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5650921-5\\_O.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5650921-5\\_O.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5650921-5\\_O.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English