

166086-6 ✓ ACTIVE

AMP

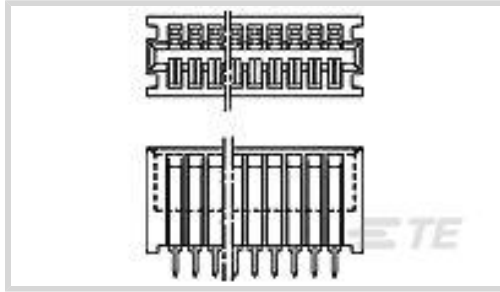
TE Internal #: 166086-6

Standard Edge Connectors, Board-to-Board, 6 Position, .1 in [2.54 mm] Centerline, Solder Eyelet, 6 Dual Positions, 2 Row, Green

[View on TE.com >](#)



Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



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

Number of Positions: **6**

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

Termination Method to Wire & Cable: **Solder Eyelet**

Number of Dual Positions: **6**

## Features

### Product Type Features

Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	6
Number of Dual Positions	6
Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

### Body Features

Primary Product Color	Green
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### Contact Features

Contact Retention Within Housing	Without
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.38 $\mu$ m[15 $\mu$ in]
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A

### Termination Features



Termination Post & Tail Length	3.2 mm[.13 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Method to Wire & Cable	Solder Eyelet

### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

### Housing Features

Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic Polyester -20% GF

### Dimensions

Card Slot Depth	7.9 mm[.31 in]
Connector Height	13.4 mm[.53 in]
Row-to-Row Spacing	5.08 mm[.2 in]

### Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °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 Quantity	26
Packaging Method	Box & Tube, Tube

### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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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: JUNE 2023 (235)  
Candidate List Declared Against: JAN 2022 (223)  
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

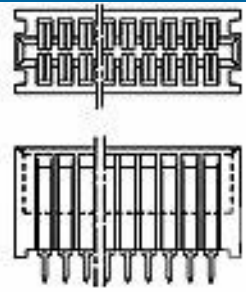
Solder Process Capability

Wave solder capable to 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>

### Compatible Parts



TE Part # 166087-3  
DUAL LOADED,CLOSED ENDS


### Customers Also Bought



TE Part #3-1437664-0  
NC6-P108-02=NC6 ASSEMBLY



TE Part #7-5530843-6  
CONN SEC II 6 POS 100C/L



TE Part #282847-2  
TERMI-BLOK PCB MOUNT 35 2P.5



TE Part #7-5530843-7  
CONN SEC II 3 POS 100C/L



## Documents

### Product Drawings

[SINGLE LOADED/OPEN ENDS](#)

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_166086-6\\_H.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_166086-6\\_H.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_166086-6\\_H.3d\\_stp.zip](#)

English

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

### Product Specifications

[Product Specification](#)

[AMP EDGE Low Profile Connectors](#)

English

[Product Specification](#)

English