166086-6 ✔ ACTIVE

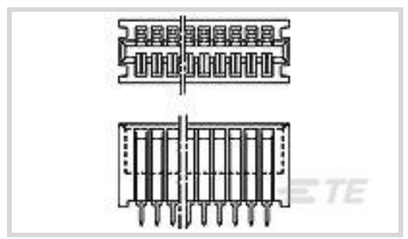
AMP

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

Contact Features

Contact Retention Within Housing	Without
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
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% Glass-Filled

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]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	26
Packaging Method	Box & Tube, Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

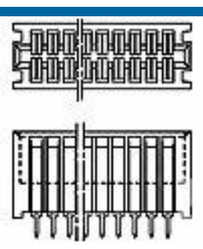
EU RoHS Directive 2011/65/EU	Compliant

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 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

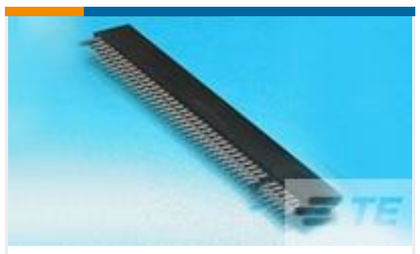
Compatible Parts



TE Part # 166087-3
DUAL LOADED,CLOSED ENDS

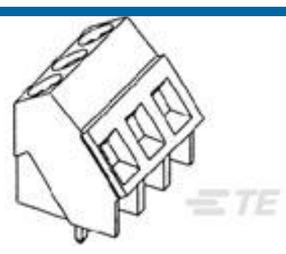
Customers Also Bought

TE Part #208211-1
SCREW SHOULDER, SPEC



TE Part #5-5530843-0
CONN SEC II 10 POS 100C/L

TE Part #66602-1
III+ PIN,18-14,TIN-LEAD,LP



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

TE Part #36807
TERMINAL,SOLIS R 6 3/8

TE Part #1437622-7
KLN900B1/4=KNOB KNURL W/IND LI

TE Part #4-2176349-9
CRGCQ 2512 100K 1%

TE Part #2-2176349-8
CRGCQ 2512 1K8 1%

TE Part #5-146135-4
10 MODII HDR DRST SFMNT B/A

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