



AMP-IN

TE Internal #: 1871865-1

PCB Terminals, Receptacle, Receptacle, PCB Thickness

(Recommended) 1.6 mm [.063 in], PCB Hole Diameter 2.5 – 2.6 mm

[.098 – .102 in]

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > PCB Terminals



Terminal & Splice Type: **Receptacle**

Terminal Type: **Receptacle**

PCB Thickness (Recommended): 1.6 mm [.063 in]

PCB Hole Diameter: 2.5 – 2.6 mm [.098 – .102 in]

Height Above PC Board: 4 mm [.159 in]

Features

Product Type Features

Mounting Style	Stud Mount
Terminates To	Printed Circuit Board

Configuration Features

Stud Hole	No
Terminal Angle	Straight

Body Features

Plating Material	Tin
------------------	-----

Contact Features

Contact Plating Material	Tin
Terminal & Splice Type	Receptacle
Terminal Type	Receptacle
Underplating Material	Brass
Terminal Size	Miniature
Terminal Orientation	Straight



Termination Features

Termination Method	Crimp
--------------------	-------

Mechanical Attachment

Wire Insulation Support	With
-------------------------	------

Dimensions

PCB Thickness (Recommended)	1.6 mm [.063 in]
PCB Hole Diameter	2.5 – 2.6 mm [.098 – .102 in]
Height Above PC Board	4 mm [.159 in]
Wire Insulation Diameter (Max)	3.8 mm [.15 in]
Accepts Wire Insulation Diameter Range	3.4 – 3.8 mm [.134 – .15 in]
Wire Size	2.2 mm ²
Extension Below Board	2.7 mm [.106 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
-----------------------------	-----------------------------

Packaging Features

Packaging Quantity	2500
Packaging Method	Reel

Other

Comment	Type M.
---------	---------

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 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)



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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 2305570-1
TERMINAL CUTTER, SIDE FEED



TE Model / Part # 2-2266951-1
OC-PA-S-FM-075F157F-001-0315



TE Model / Part # 2-2266951-2
OC-PA-S-FA-075F157F-001-0315



TE Model / Part # 2266951-1
OC-AT-S-FM-075F157F-001-0315



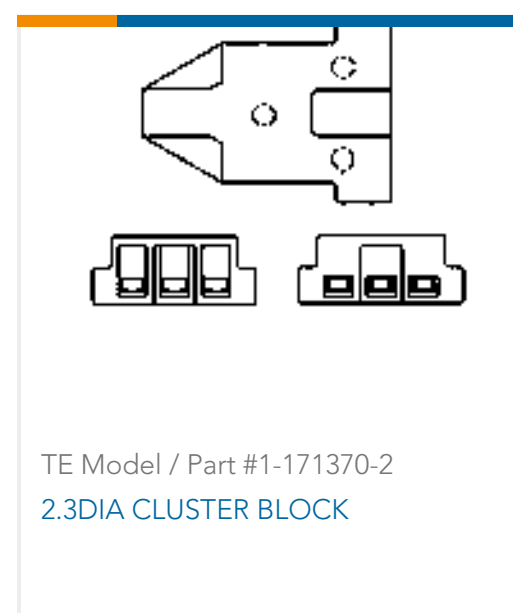
TE Model / Part # 2266951-2
OC-AT-S-FA-075F157F-001-0315



KIT
REPRESENTATION ONLY

TE Model / Part # 7-2266951-7
OC-075F157F-CRIMP TOOLING KIT

Customers Also Bought



Documents

Product Drawings

BOARD-IN CONTACT M-TYPE

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1871865-1_B_c-1871865-1-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871865-1_B_c-1871865-1-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1871865-1_B_c-1871865-1-b.3d_stp.zip](#)

English

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

Product Specifications

CRIMPING FOR BOARD IN CONTACT

Japanese

Application Specification

Japanese