2154640-3 ✔ ACTIVE

LUMAWISE

TE Internal #: 2154640-3

PCB Mount Hermaphroditic Connector, Right Angle, Board-to-Board, 6 Position, 4 mm Centerline, Tin (Sn), Surface Mount, Power & Signal, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Hermaphroditic Connector**

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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **4 mm**

Features

Product Type Features

PCB Connector Type	PCB Mount Hermaphroditic Connector
Connector System	Board-to-Board
Sealable	No
Connector Product Type	Connector Assembly

Configuration Features

Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Right Angle

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Mating Tab Thickness	.4 mm[.016 in]
Contact Mating Area Plating Material Finish	Matte

Mating Tab Width	3.05 mm[.12 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Hermaphroditic
Contact Current Rating (Max)	6 A
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm

Termination Features

Rectangular Termination Post & Tail Width	1 mm[.039 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	With
PCB Mount Retention Type	Solder Peg
PCB Mount Alignment Type	Pegs
Connector Mounting Type	Board Mount
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	4 mm
Housing Material	LCP

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape & Reel

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 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 Part # 2154640-3

Herm Blade & Recept assy w/latch & posts

Customers Also Bought



TE Part #1622996-1
CRG0603 1% 75K



TE Part #2-1623776-3
MPC5 39R 5%



TE Part #2-1676480-0
CRG0402 1% 180R



TE Part #1-1879338-2
CPF 0603 34K8 1% 50PPM 1K RL



TE Part #1-1969543-6
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #1-1969543-8
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #2-1969543-2
ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5



TE Part #5-2176328-2
CRGP 1206 180K 1%



TE Part #3-2176611-2
EP 2W (SS) 20R 5%



TE Part #2267130-3
SUBMIN PUSHBUTTON, PBS9MTRES

Documents

Product Drawings

Herm Blade & Recept assy w/latch & posts

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2154640-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2154640-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2154640-3_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English