



Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated



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

Number of Positions: **5**

Number of Rows: **1**

Centerline (Pitch): **3.81 mm [.15 in]**

PCB Mount Orientation: **Horizontal**

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(120\)](#)

Features

Product Type Features

Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Positions	5
Number of Rows	1
PCB Mount Orientation	Horizontal

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy



Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	15 A

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic GF
Centerline (Pitch)	3.81 mm [.15 in]

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	60
Packaging Method	Box, 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

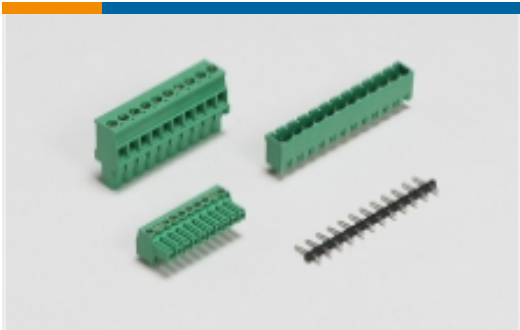
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-178288-5
3.81 DYNAMIC REC HSG 5P

Also in the Series | Dynamic 3000 Series

Connector Contacts(94)	Connector Hardware(8)	Insertion & Extraction Tools(2)	PCB Headers & Receptacles(283)



PCB Terminal Blocks(37)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(152)

Customers Also Bought



TE Part #T4012008031-000
M8,SCREW, FEMALE,R/A,UNSHIELD, 3P,GOLD



TE Part #640931-1
RECEPT,PIDG FASTON 16-14 110



TE Part #828102-1
HD-20SCHRAUB-SICHRG



TE Part #350430-1
04P UMNL PIN HDR ASSY NATL



TE Part #1775485-2
Battery Holder, 3.6mm, BLU,low profile



TE Part #1879215-1
CPF 0402 4K02 0.1% 25PPM 1K RL



TE Part #6-1879214-7
CPF 0402 1K78 0.1% 25PPM 1K RL



TE Part #3-2176328-1
CRGP 1206 3K3 1%



TE Part #6609017-9
6EC1=F7284 S0



TE Part #440146-4
1.25mm WTB Socket,Housing,4p

Documents

Product Drawings

D3100 HDR,5POS SINGLE ROW SMT HORIZONTAL

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-177662-2_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-177662-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-177662-2_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773721-5_DYNAMIC_SERIES_QRG](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[TUV Certificate](#)

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