



THE DATASHEET OF 178308-2





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



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Horizontal

Connector System: Wire-to-Board

Number of Positions: 20

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

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

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------



Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Shape & Form	Rectangular
Contact Underplating Material	Nickel
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Contact Type	Tab
Contact Current Rating (Max)	15 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.8 mm[.149 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	5.08 mm[.2 in]
--------------------	----------------

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------



Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

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	有害物质含量符合标准要求 No Restricted Substance(s) 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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





Also in the Series

Dynamic 3000 Series

Connector Contacts(94)	Connector Hardware(8)	Insertion & Extraction Tools(2)	PCB Headers & Receptacles(290)
PCB Terminal Blocks(5)	Power Contacts(94)	Rectangular Power Connectors(443)	Wire-to-Board Headers & Receptacles (290)

Customers Also Bought

TE Part #TAD14845101-002 M12D4-MS-MR-PUR TYPE C GREEN-1.0M	TE Part #60619-7 CMNL SOK AUPHBZ L/P	TE Part #176277-1 UNIV POWER PLUG HSG 10P F/H	TE Part #176285-1 AMP UNIVERSAL POWER CAP 6P
TE Part #CAT-D9934-A75E Header Assembly: Wire-to-Board, 15A, gold or tin plated	TE Part #316040-2 DYNAMIC D-5 REC CONT. S L/P	TE Part #9-1879350-9 RR01 5% 2K7 AMMO	

Documents

- CAD Files
- 3D PDF
- English
- Customer View Model
- ENG_CVM_178308-2_C.2d_dxf.zip
- English



Customer View Model

[ENG_CVM_178308-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_178308-2_C.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL](#)

English

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 178308-2](#) on WIN SOURCE

 [TE Connectivity](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management