178308-3 ✓ ACTIVE

Dynamic Series | Dynamic 3000 Series

TE Internal #: 178308-3

PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 3.81 mm [.15 in] Centerline, Fully Shrouded, Gold (Au), Dynamic 3000

Series

View on TE.com >

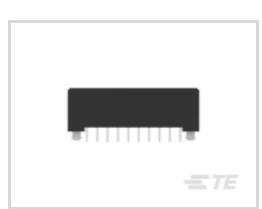


Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated











PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Horizontal
Connector System: Wire-to-Board

Number of Positions: 20
Number of Rows: 2

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

Dody Foundation	
Primary Product Color	Black
Contact Features	
Contact Shape & Form	Rectangular
Contact Underplating Material	Nickel
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	15 A
Termination Features	
Termination Post & Tail Length	3.8 mm[.149 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention	With
PCB Mount Retention Type	Retention Leg
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	Polyester GF
Centerline (Pitch)	3.81 mm[.15 in]
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

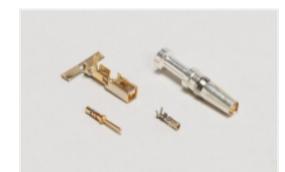
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



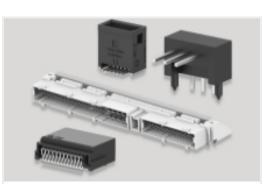
Connector Contacts(94)



Connector Hardware(8)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(290)



PCB Terminal Blocks(16)



Power Contacts(94)



Rectangular Power Connectors(411)



Wire-to-Board Headers & Receptacles (290)

Customers Also Bought



TE Part #294995-E STVB/2 32 F AB VV 7-00 TL 4,0 * 247 E007



TE Part #2-1123309-2 DYNAMIC D-5 HDR H ASSY 4P YY



TE Part #350737-1 12P UMNL PIN HDR ASSY 94VO



TE Part #1318697-6 DYNAMIC D-5 REC CONT L L/P



TE Part #CAT-D9934-A75E Header Assembly: Wire-to-Board, 15A, gold or tin plated



Documents

Product Drawings

DYNAMIC D-3 HDR ASSY H 20P

Japanese

CAD Files

3D PDF

English



Customer View Model

ENG_CVM_178308-3_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_178308-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_178308-3_C.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

TUV Certificate

English