# 3-178141-3 V ACTIVE

#### Dynamic Series | Dynamic 3000 Series

TE Internal #: 3-178141-3

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3.81 mm [.

15 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder,

Dynamic 3000 Series

View on TE.com >



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



Connector System: Wire-to-Board

Number of Positions: 6 Number of Rows: 2

Centerline (Pitch): 3.81 mm [.15 in] PCB Mount Orientation: Vertical

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	6
Number of Rows	2
PCB Mount Orientation	Vertical
Body Features	
Primary Product Color	Black
Contact Features	
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material	Gold

Pin

9.5 A

Contact Type

Contact Current Rating (Max)



#### **Termination Features**

Termination Method to Printed Circuit Board	Through Hole - Solder
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	Polyester GF
Centerline (Pitch)	3.81 mm[.15 in]
Usage Conditions	

# Operating Temperature Range

Operation/Application		

-55 – 105 °C[-67 – 221 °F]

Power & Signal

# Industry Standards

Circuit Application

UL Flammability Rating	UL 94V-0	

### Packaging Features

### **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 2023 (235) Candidate List Declared Against: JAN 2022 (223) 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(3)



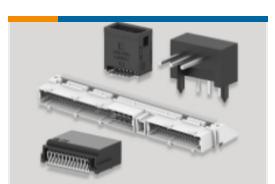
Insertion & Extraction Tools(1)



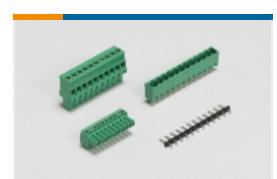
PCB Connector Keying(1)



PCB Connector Mounting(8)



PCB Headers & Receptacles(283)



PCB Terminal Blocks(25)

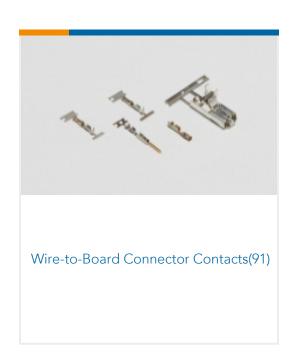


Standard Rectangular Connectors(2)



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





## Customers Also Bought















### **Documents**

#### **Product Drawings**

DYNAMIC D3100 HDR V 6P ASSY

English

#### **CAD Files**

3D PDF

English

**Customer View Model** 

ENG\_CVM\_3-178141-3\_E.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_3-178141-3\_E.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_3-178141-3\_E.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3.81 mm [.15 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Dynamic 3000 Series



#### Datasheets & Catalog Pages

1-1773732-4\_DYNAMIC\_SERIES\_CATALOG\_ENGLISH

Japanese

1-1773732-4\_DYNAMIC\_SERIES\_CATALOG\_ENGLISH

English

**Product Specifications** 

**Product Specification** 

English

Agency Approvals

**TUV Certificate** 

English