

1-178141-3  ACTIVE

[Dynamic Series](#) | [Dynamic 3000 Series](#)

TE Internal #: 1-178141-3

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



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **2**

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

## Features

### Packaging Features

Packaging Quantity	23
Packaging Method	Tube, Box

### Usage Conditions

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

### 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

### Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy

PCB Contact Termination Area Plating Material

Tin

Contact Mating Area Plating Material Thickness

.76  $\mu\text{m}$ [30  $\mu\text{in}$ ]

Contact Mating Area Plating Material

Gold

Contact Type

Pin

Contact Current Rating (Max)

9.5 A

**Housing Features**

Housing Material

Polyester GF

Centerline (Pitch)

3.81 mm[.15 in]

**Product Type Features**

PCB Connector Assembly Type

PCB Mount Header

Connector System

Wire-to-Board

Header Type

Fully Shrouded

Sealable

No

Connector &amp; Contact Terminates To

Printed Circuit Board

**Configuration Features**

PCB Mount Orientation

Vertical

Number of Positions

6

Number of Rows

2

**Body Features**

Primary Product Color

Black

**Termination Features**

Termination Method to PCB

Through Hole - Solder

**Operation/Application**

Circuit Application

Power &amp; Signal

**Industry Standards**

UL Flammability Rating

UL 94V-0

**Other**

EU RoHS Compliance

Compliant

EU ELV Compliance

Compliant

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://TE.com)>

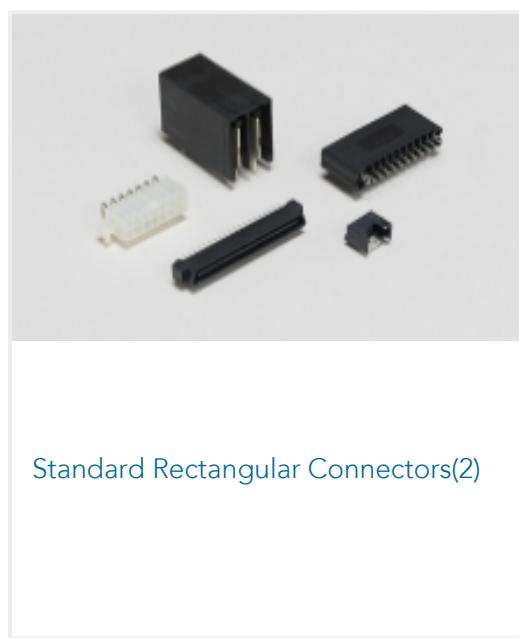
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

## Product Compliance Disclaimer

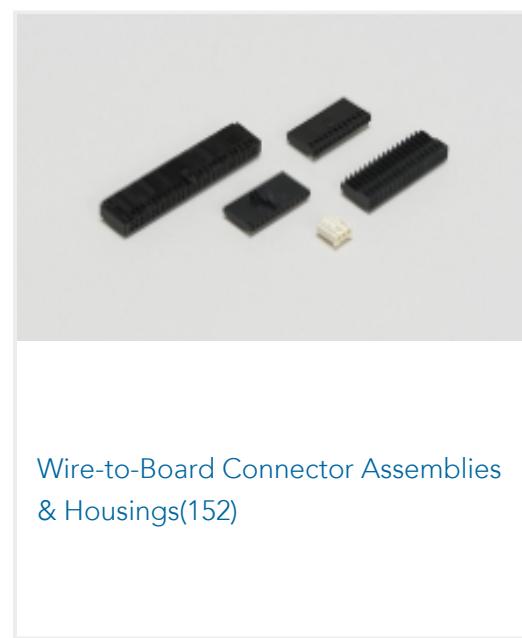
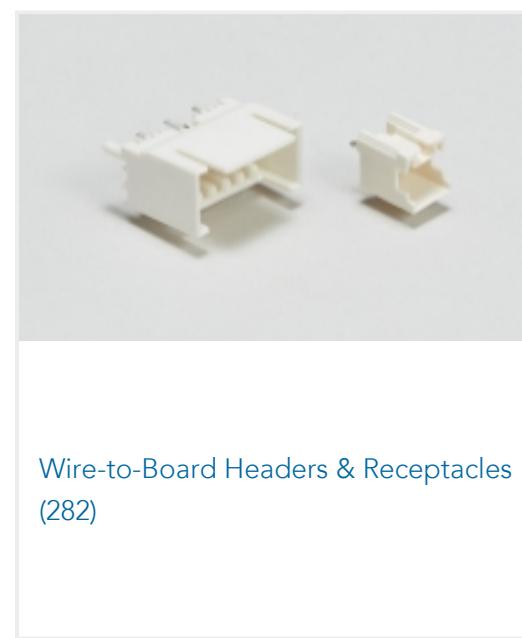
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Standard Rectangular Connectors(2)

Wire-to-Board Connector Assemblies  
& Housings(152)Wire-to-Board Headers & Receptacles  
(282)

## Customers Also Bought

TE Part #1-178136-3  
DYNAMIC D3200 HDR V ASSY 3PTE Part #1318127-1  
DYNAMIC D2100 HDR V ASSY 20PTE Part #174352-2  
070 ECONOSEAL MARK-2 PLUG 2PTE Part #1-1393194-5  
T77S1D3-12TE Part #171825-2  
2 POS EIS POST HDRTE Part #1-770973-1  
14P MINI UMNL R/A HDR ASSY LFTE Part #1879215-2  
CPF 0402 4K12 0.1% 25PPM 1K RLTE Part #4-1746741-4  
RITS CONN. SOCKET ASSY 4P GREENTE Part #1649329-6  
RTE24024TE Part #7-1414967-8  
V23086R1802A803-EV-CBOX

## Documents

### Product Drawings

#### DYNAMIC CONN 6P HDR ASSY

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_1-178141-3\\_E.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-178141-3\\_E.3d\\_jgs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-178141-3\\_E.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**

**TUV Certificate**

English