2-178140-5 ✔ ACTIVE

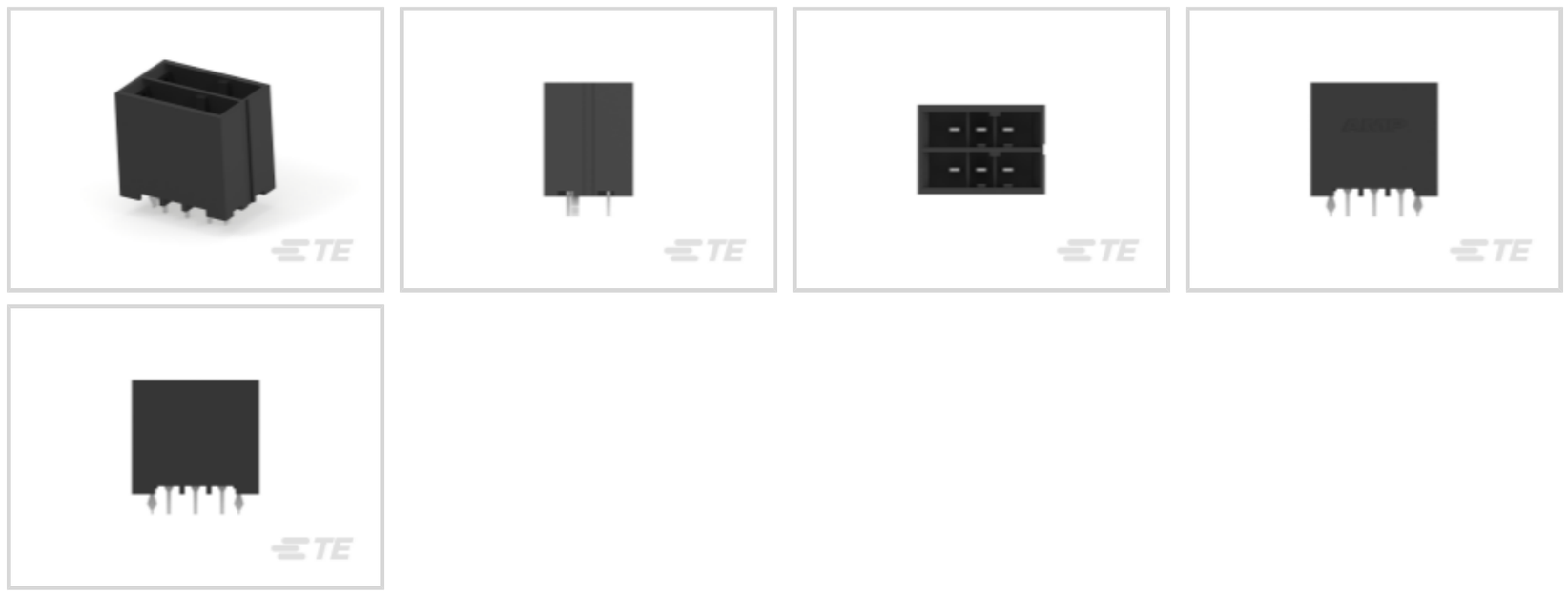
Dynamic Series | Dynamic 3000 Series

TE Internal #: 2-178140-5

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Tin, 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): **5.08 mm [.2 in]**

PCB Mount Orientation: **Vertical**

All Header Assembly: Wire-to-Board, 15A, gold or tin plated (134)

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	2 µm[80 µin]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	8 A

Termination Features

Termination Method to PCB	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)	5.08 mm[.2 in]

Dimensions

Connector Length	24.16 mm[.95 in]
Connector Height	16.97 mm[.66 in]
Connector Width	21.6 mm[.85 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

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	20
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	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



TE Part # 2-178129-6
6-P DYNAMIC PLUG-H D3200 5.08

Also in the Series | Dynamic 3000 Series



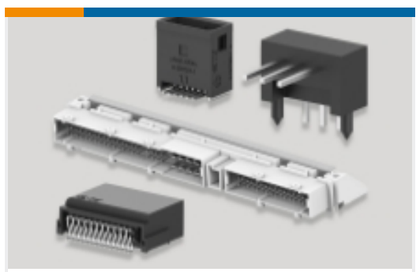
Connector Contacts(94)



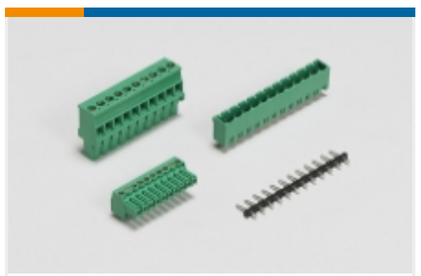
Connector Hardware(8)



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



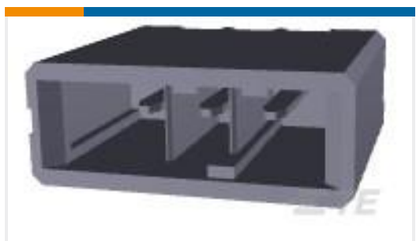
TE Part #175362-1
DYNAMIC D-3500 REC HSG 2P



TE Part #1318126-2
Header Assembly: Wire-to-Board, 5A, gold plated



TE Part #178327-3
DYNAMIC D/ROW HDR 16P V ASSY



TE Part #2-178136-2
DYNAMIC D3200 HDR V ASSY 3P



TE Part #745254-2
20DF PIN CONTACT,PLATED



TE Part #1649329-6
RTE24024

Documents

Product Drawings

DYNAMIC D3200 HDR V ASSY 6P

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-178140-5_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-178140-5_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-178140-5_H.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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2-292161-3 2005330-1 2834055-1 CPF0402B37K4E1 SBCHE154R7K 1743455-2 ROX05SJ18R 141991-2
3631B101LL 917696-1 RH73H2A40MKTN 2310537-1 2377783-2 SBCHE64R7K 1-794222-0 1-962915-1
1903112-2 3-1393225-0 936348-1 MPT100C18RF 1393431-1 2380312-2 3430B2F51RTDF 650075-000
CRGCQ2010J3K3 SMW73R0JT TE50BR39J 175977-2 1969656-1 U5254-000005-030PA