

178327-2 ✓ ACTIVE

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

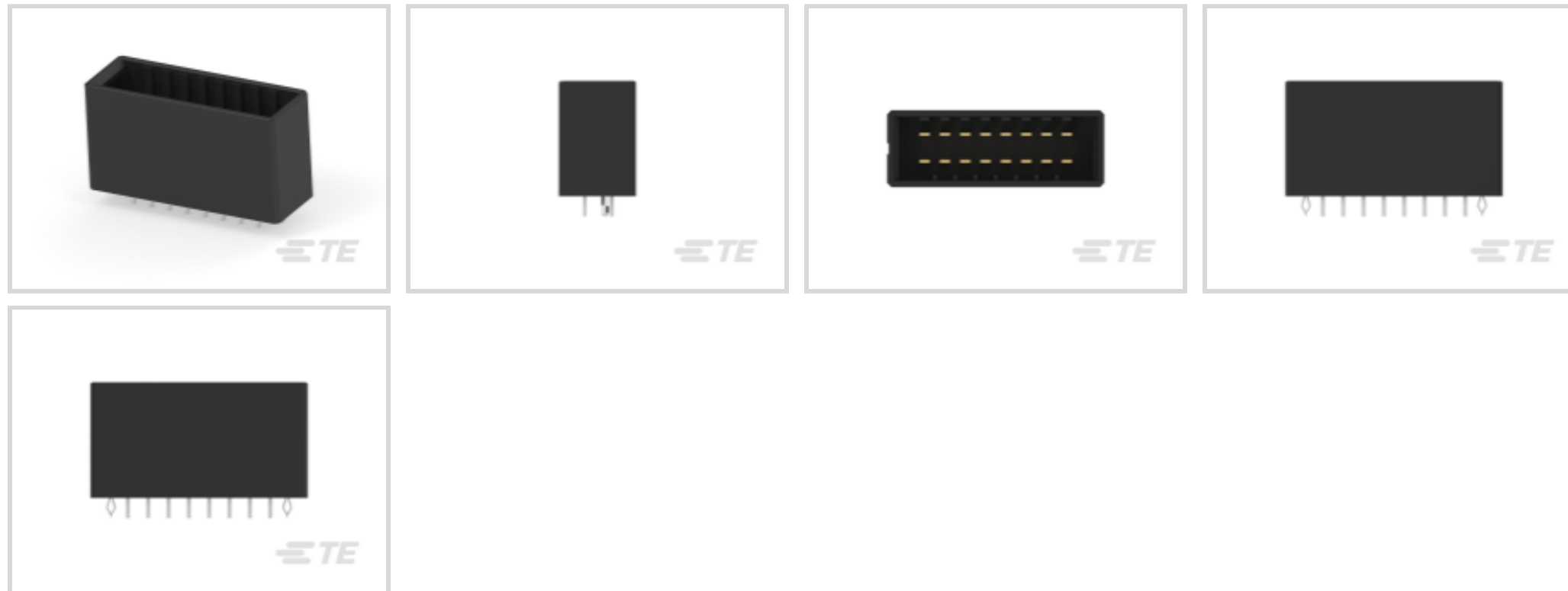
TE Internal #: 178327-2

PCB Mount Header, Vertical, Wire-to-Board, 16 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: **Vertical**

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

Number of Positions: **16**

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	Vertical
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features



Primary Product Color	Black
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Contact Features

Contact Shape & Form	Rectangular
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Contact Underplating Material	Nickel
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Contact Layout	Matrix
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material	Gold (Au)
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Contact Mating Area Plating Material Thickness	.381 μm [15 μin]
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Contact Type	Tab
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Contact Current Rating (Max)	8 A
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PCB Contact Termination Area Plating Material	Tin
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Termination Features

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

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

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

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

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box, Tube
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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>

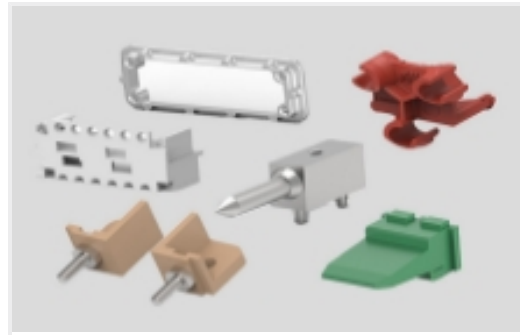
Compatible Parts



Also in the Series | Dynamic 3000 Series



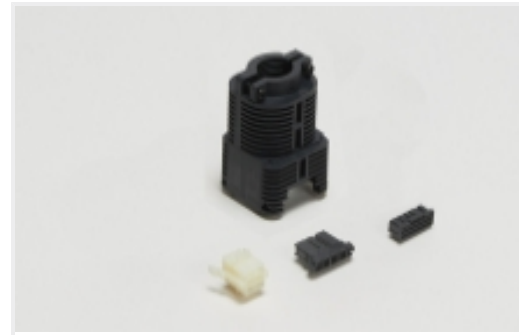
Connector Contacts(94)



Connector Hardware(8)



Power Contacts(94)



Rectangular Connector Housings(143)



Rectangular Power Connectors(443)



Standard Rectangular Connectors(167)



Wire-to-Board Connector Assemblies & Housings(92)

Customers Also Bought



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



TE Part #316516-2
DYNAMIC 3500 HDR ASSY 12P V PdNi &Au



TE Part #1-917511-3
DYNAMIC D-3 REC CONT. 2L 0.76 L/P



TE Part #CAT-D9934-A66B
DYNAMIC 2000 HDR ASSY



TE Part #2-1827875-2
DYNAMIC 1200D HDR ASSY V 4P Y BLACK GOLD

Documents

Product Drawings

16-P POST HDR D-3100D V PdNi & Au 0.38

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_178327-2_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178327-2_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_178327-2_F.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL](#)

English