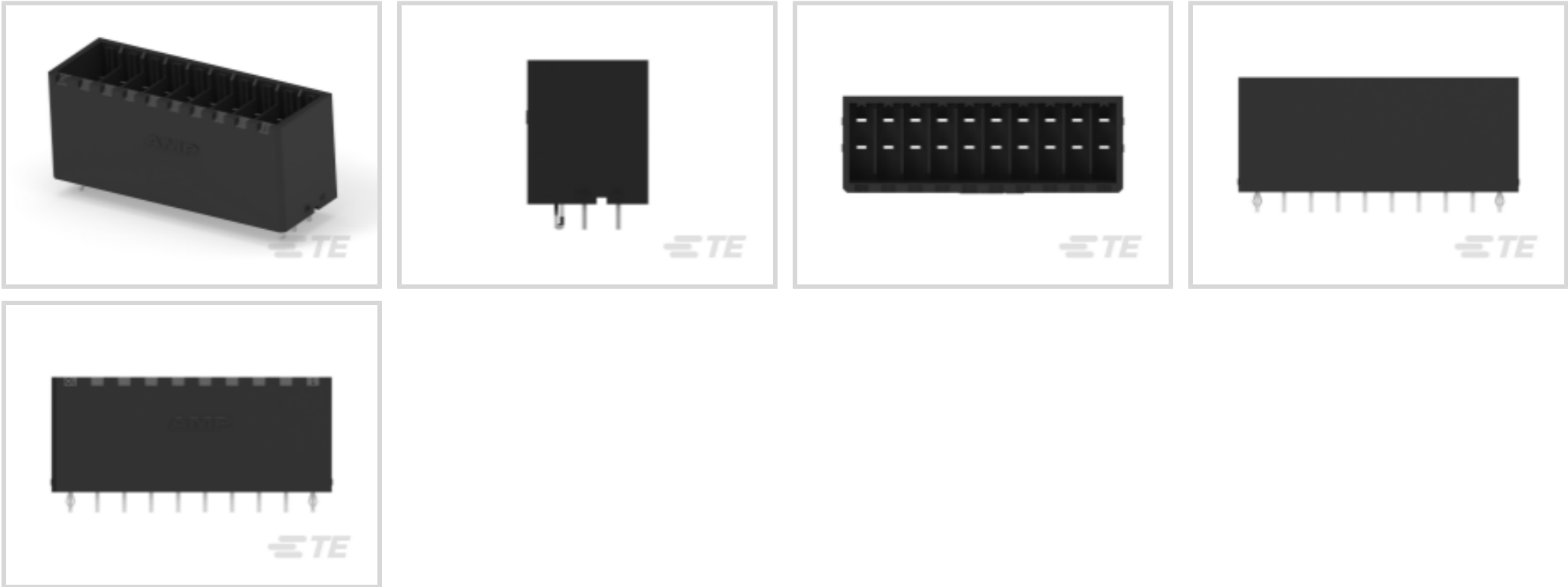




Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated



Connector System: Wire-to-Board

Number of Positions: 20

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 (16)

Features

Product Type Features

Connector Shape	Rectangular
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

Connector Contact Load Condition	Fully Loaded
Number of Positions	20
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

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Operating Voltage	800 VAC
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Mating Tab Width	1.9 mm[.075 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Underplating Material Thickness	1.3 µm[51.18 µin]
Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Shape & Form	Rectangular
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	15 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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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]

Usage Conditions

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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](#)>

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

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 #5499922-9
AMP-LATCH UNIVERSAL HEADERS

TE Part #5179029-8
0.8FH,P06H.5,160,08/Sn,TU

TE Part #1-178288-7
DYNAMIC D3100S REC HSG 8P X

TE Part #178327-5
DYNAMIC D/ROW HDR 16P V ASSY

TE Part #1-178140-5
DYNAMIC D3200 HDR V ASSY 6P

TE Part #6-104693-0
100 50/50HDR DRST SFMNT.390 SN

TE Part #5-5179009-2
0.8FH,R09H.5,060,08/Sn,TU



Documents

Product Drawings

DYNAMIC 3500 HDR ASSY 20P V

Japanese

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_316517-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_316517-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_316517-5_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

DYNAMIC 3500 SERIES

English

Product Specifications

Product Specification

English

Agency Approvals

TUV Certificate

English