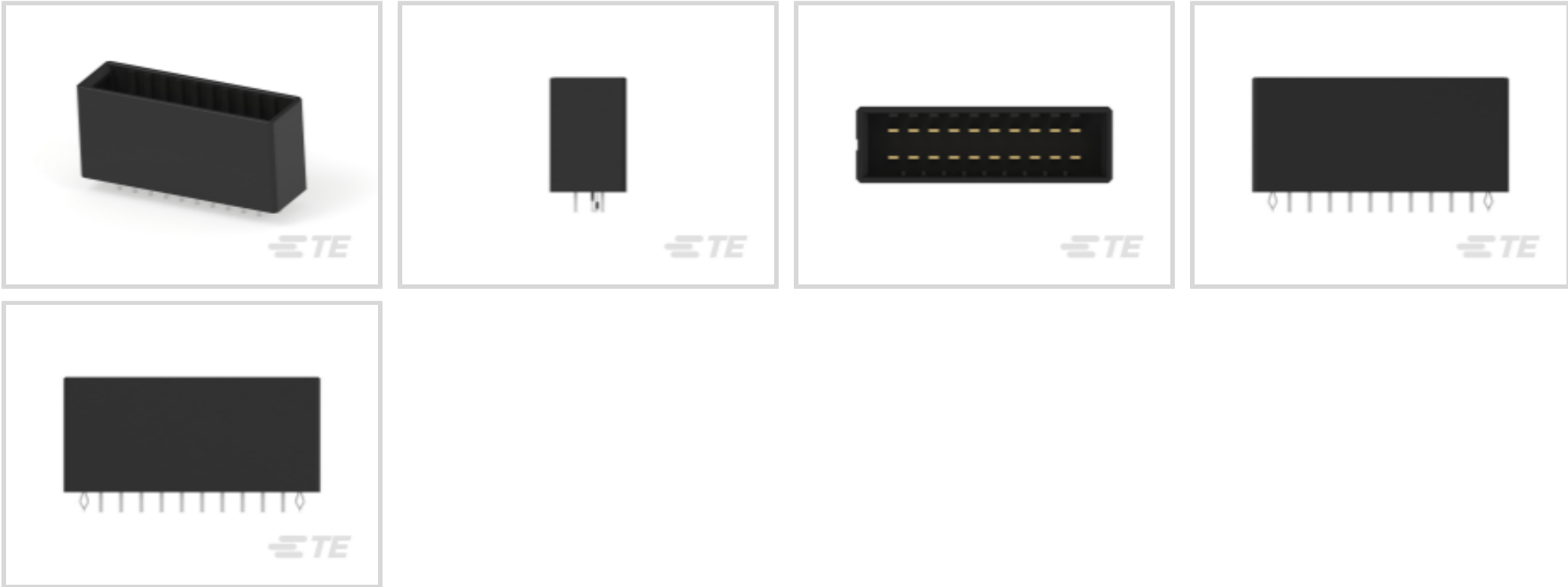




Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated



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

Number of Positions: **20**

Number of Rows: **2**

Centerline (Pitch): **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	20
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

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Primary Product Color	Black
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Contact Features

Contact Layout	Matrix
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 Post & Tail Length	3.8 mm[.149 in]
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)	3.81 mm[.15 in]

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>

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

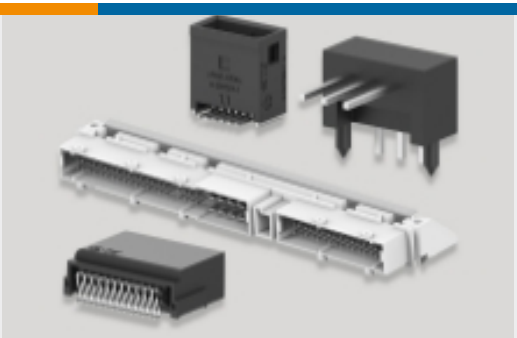
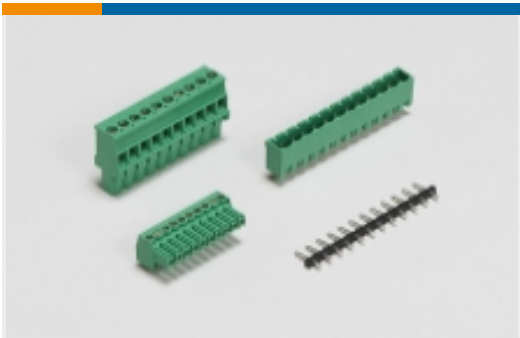
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

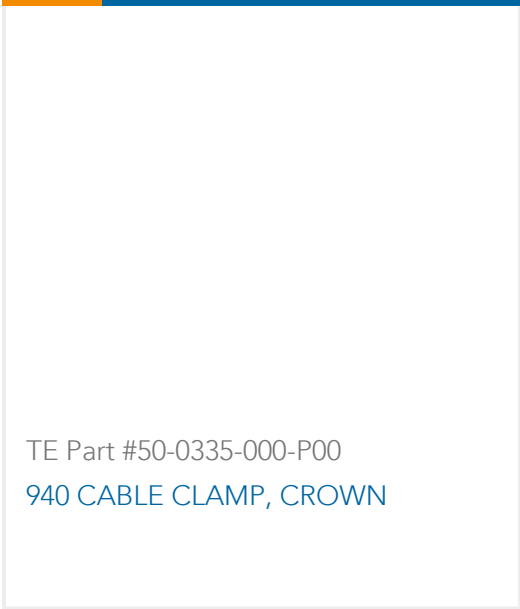




Also in the Series | Dynamic 3000 Series

 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 #1-178313-5 DYNAMIC D3100 HDR V 3P ASSY	 TE Part #1761606-5 IDC LOW PRO HDR 14P VERT LG LA	 TE Part #5223957-3 UPM GUIDE MODULE	 TE Part #1857990-1 Z-PACK/B F-HDR.125P, EON
 TE Part #2-1879213-5 CPF 0402 46R4 0.1% 25PPM 1K RL	 TE Part #6-1625867-1 RP 1J 0.166W 26R1 0.1% 25PPM 1K RL	 TE Part #2-2176390-4 RQ 1206 2K0 0.1% 10PPM 5K RL	 TE Part #5-2271101-1 SCSI .050 REC ASS'Y 50P PB-FREE
 TE Part #50-0335-000-P00 940 CABLE CLAMP, CROWN			



Documents

Product Drawings

DYNAMIC D3 HDR ASSY V 20P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_178328-5_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_178328-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_178328-5_D.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