

316517-5 ✓ ACTIVE

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

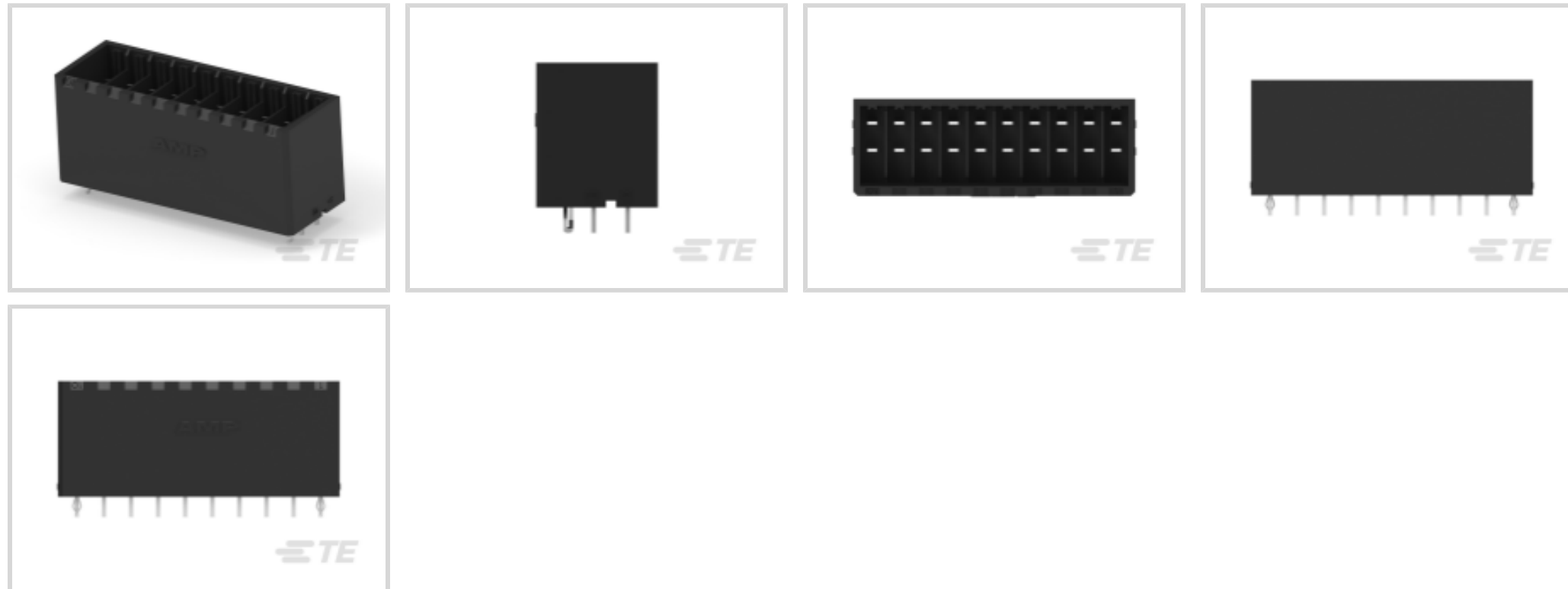
TE Internal #: 316517-5

PCB Mount Header, Vertical, Wire-to-Board, 20 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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(16\)](#)

Features

Other

EU RoHS Compliance **Compliant**

EU ELV Compliance **Compliant**

Product Type Features

Connector Shape **Rectangular**

PCB Connector Assembly Type **PCB Mount Header**

Connector System **Wire-to-Board**

Header Type **Fully Shrouded**

Sealable **No**

Connector & Contact Terminates To **Printed Circuit Board**

Configuration Features

Connector Contact Load Condition **Fully Loaded**

PCB Mount Orientation **Vertical**



Number of Positions	20
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Number of Rows	2
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Electrical Characteristics

Operating Voltage	800 VDC
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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



Housing Material	Polyester GF
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Centerline (Pitch)	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	Tube, Box
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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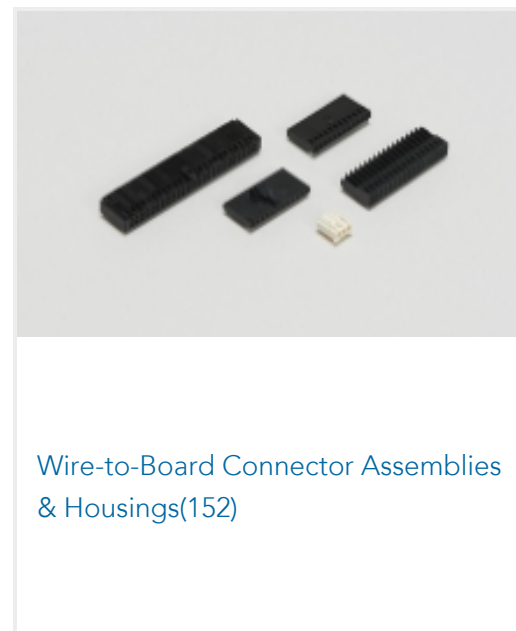
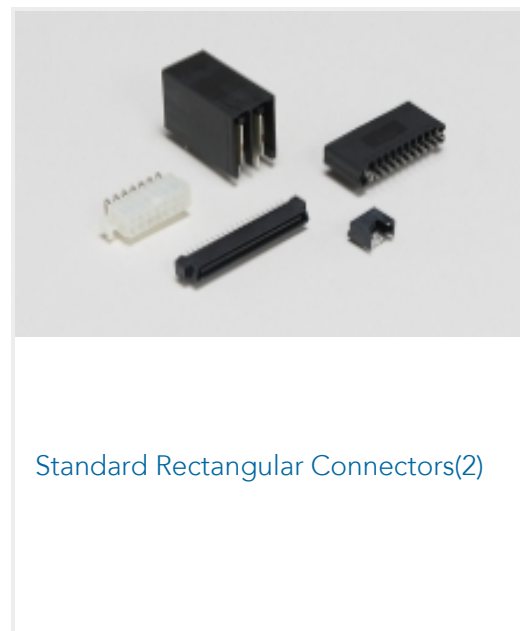
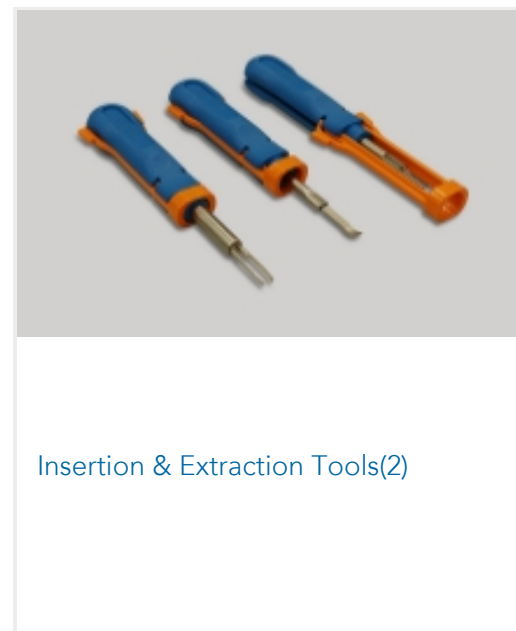
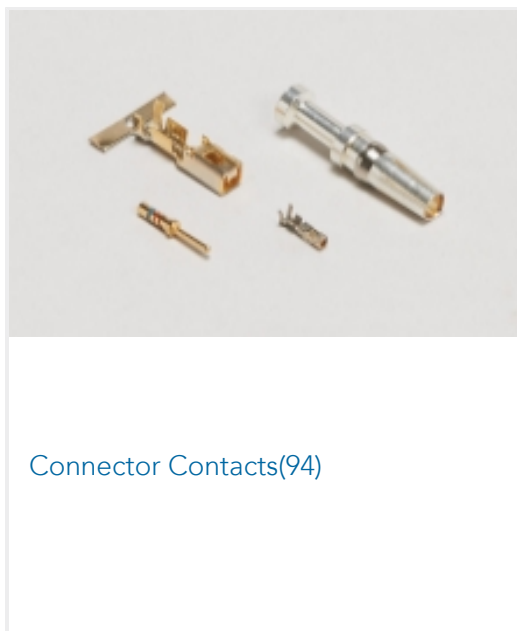
Product Compliance Disclaimer

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>

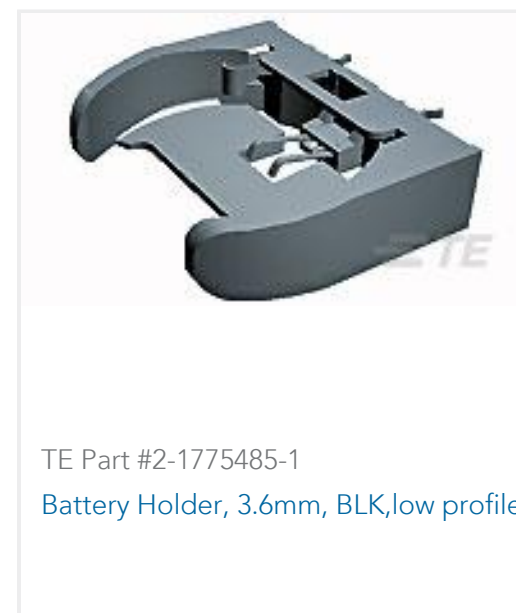
Compatible Parts



Also in the Series | Dynamic 3000 Series



Customers Also Bought





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

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Datasheets & Catalog Pages

[DYNAMIC 3500 SERIES](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[TUV Certificate](#)

English