

316516-5 ✓ ACTIVE

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

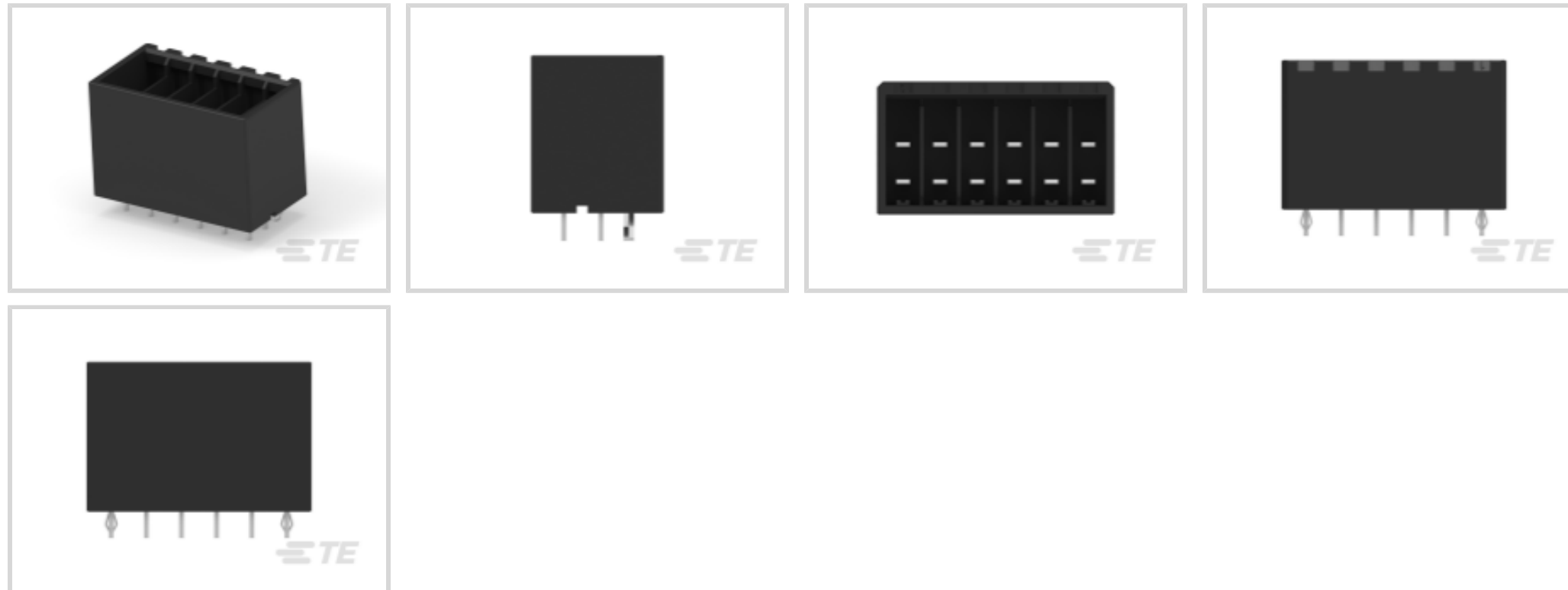
TE Internal #: 316516-5

PCB Mount Header, Vertical, Wire-to-Board, 12 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

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

PCB Mount Orientation **Vertical**

Number of Positions **12**

Number of Rows **2**



### Body Features

Primary Product Color	Black
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### Contact Features

Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	15 A

### Termination Features

Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

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

### Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	5.08 mm[.2 in]

### 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
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

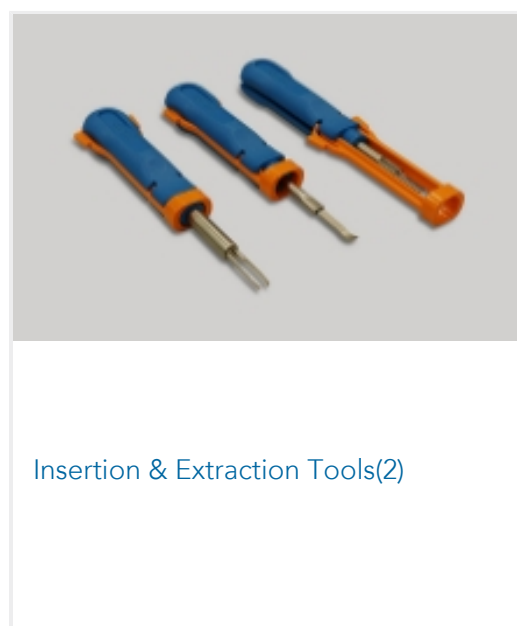
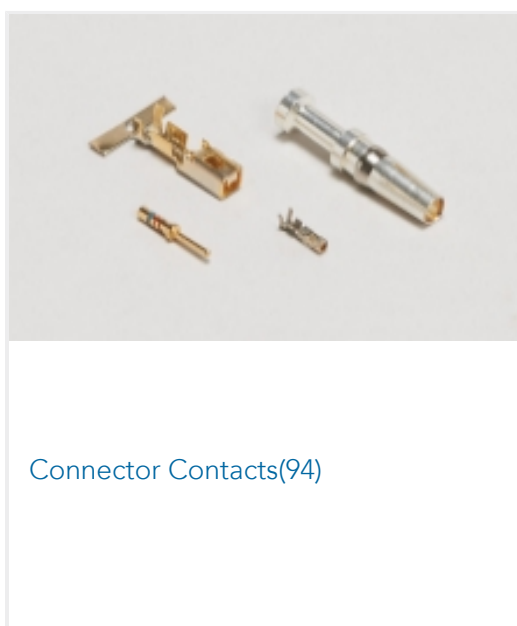
Product Compliance Disclaimer

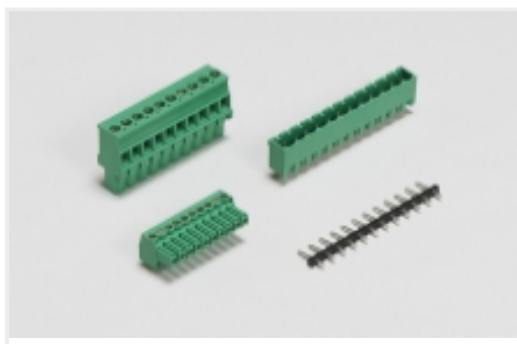
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

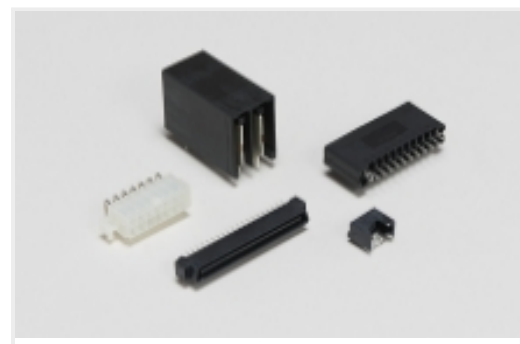


## Also in the Series | Dynamic 3000 Series

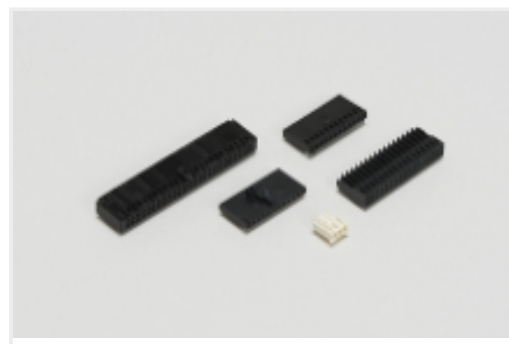




PCB Terminal Blocks(37)

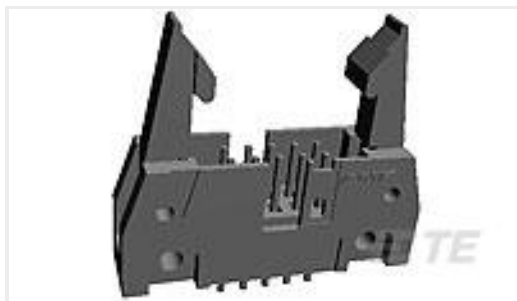
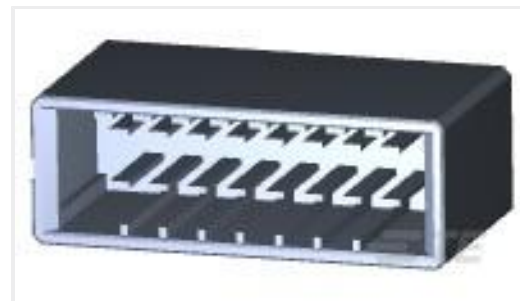
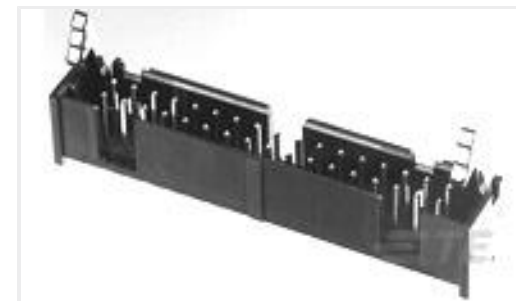


Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies &amp; Housings(152)

## Customers Also Bought

TE Part #5499922-9  
A/L UNIV HDR 40P VERT LG LATTE Part #178327-5  
DYNAMIC D/ROW HDR 16P V ASSYTE Part #7474490001  
TMS-SCE-1K-1/4-2.0-9TE Part #1761606-5  
IDC LOW PRO HDR 14P VERT LG LATE Part #3-794630-2  
02P MICRO MNL ASSY,VRT,HDR,LFTE Part #620142-000  
D-100-31TE Part #1649329-6  
RTE24024TE Part #ZPF000000000008524  
983-6S 08-03 S8 L

## Documents

### Product Drawings

[DYNAMIC 3500 HDR ASSY 12P V](#)

Japanese

### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_316516-5\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_316516-5\\_B.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_316516-5\\_B.2d\\_dxf.zip](#)

English

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



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**Datasheets & Catalog Pages**

**DYNAMIC 3500 SERIES**

English

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**Product Specifications**

**Product Specification**

English

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**Agency Approvals**

**TUV Certificate**

English