



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



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **2**

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(120\)](#)

Features

Packaging Features

Packaging Quantity	23
Packaging Method	Tube, Box

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

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

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy



PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	9.5 A

Housing Features

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

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	6
Number of Rows	2

Body Features

Primary Product Color	Black
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Termination Features

Termination Method to PCB	Through Hole - Solder
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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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 # 1-178127-6  
DYNAMIC 3100 REC HSG 6P K-XX

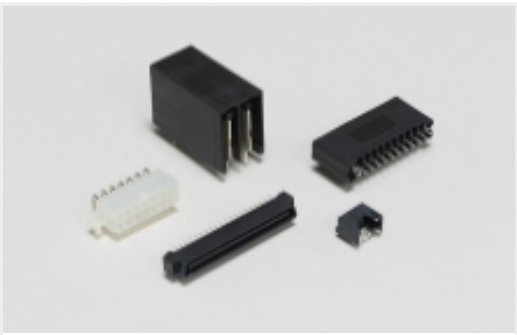
Also in the Series | Dynamic 3000 Series

Connector Contacts(94)

Connector Hardware(8)

PCB Terminal Blocks(37)

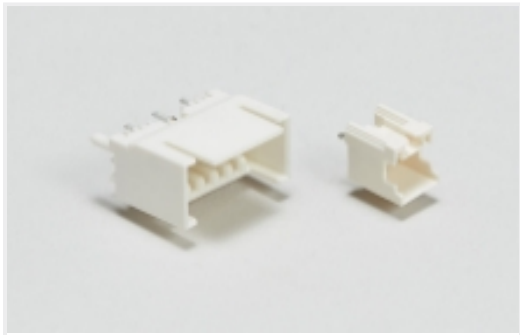
Power Contacts(94)



Standard Rectangular Connectors(2)

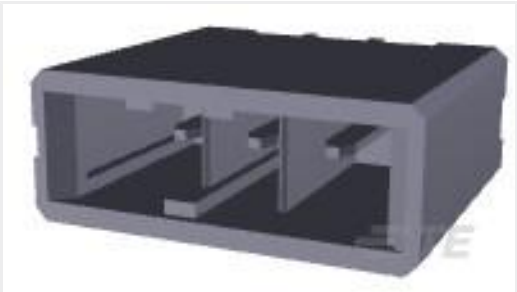


Wire-to-Board Connector Assemblies & Housings(152)



Wire-to-Board Headers & Receptacles (282)

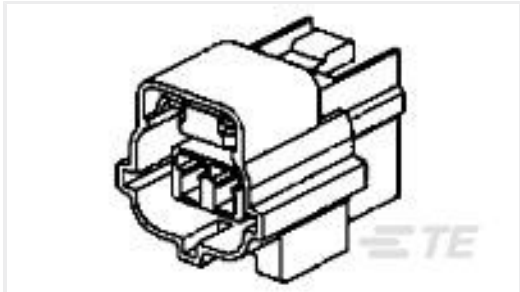
Customers Also Bought



TE Part #1-178136-3  
DYNAMIC D3200 HDR V ASSY 3P



TE Part #1318127-1  
DYNAMIC D2100 HDR V ASSY 20P



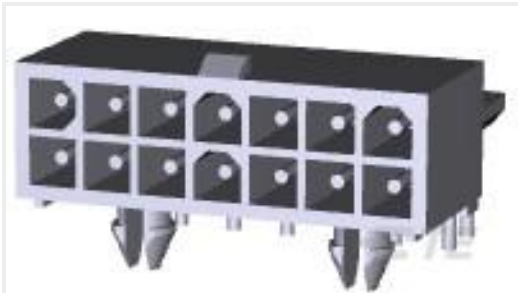
TE Part #174352-2  
070 ECONOSEAL MARK-2 PLUG 2P



TE Part #1-1393194-5  
T77S1D3-12



TE Part #171825-2  
2 POS EIS POST HDR



TE Part #1-770973-1  
14P MINI UMN L R/A HDR ASSY LF



TE Part #1879215-2  
CPF 0402 4K12 0.1% 25PPM 1K RL



TE Part #4-1746741-4  
RITS CONN. SOCKET ASSY 4P GREEN



TE Part #1649329-6  
RTE24024



TE Part #7-1414967-8  
V23086R1802A803-EV-CBOX

Documents

Product Drawings

DYNAMIC CONN 6P HDR ASSY

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_1-178141-3\_E.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_1-178141-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-178141-3\\_E.3d\\_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[TUV Certificate](#)

English