



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



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

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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **3.81 mm [.15 in]**

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

Features

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

Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Horizontal

Body Features

Primary Product Color	Black
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Contact Features

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Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Mating Area Plating Material Finish	Matte
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 Alignment Type	Keyed
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]

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

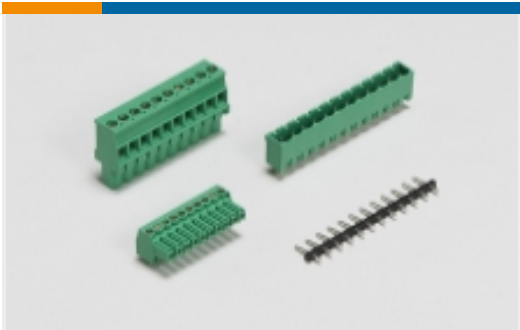
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

TE Part # 178289-6
DYNAMIC 3100 REC HSG 12P DBL

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)

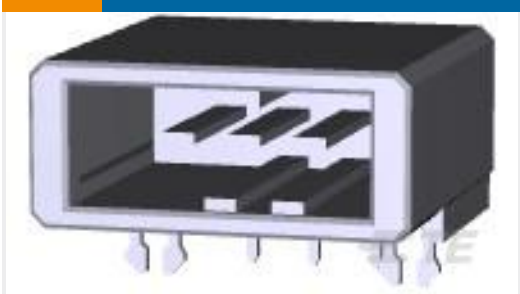


Standard Rectangular Connectors(2)

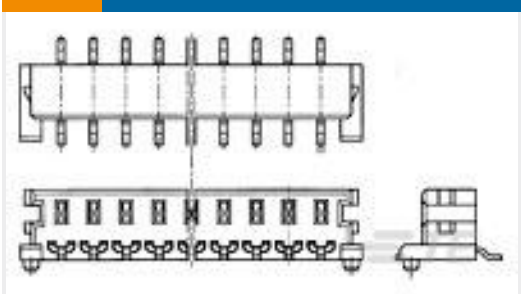


Wire-to-Board Connector Assemblies & Housings(152)

Customers Also Bought



TE Part #1-178293-2
DYNAMIC D3100 HDR H 3P ASSY



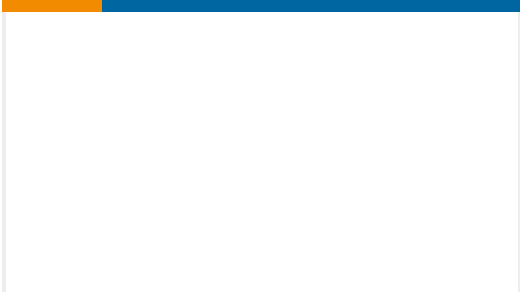
TE Part #7-917570-2
1.5 B-T-W HDR ASSY 12P W/O BOS



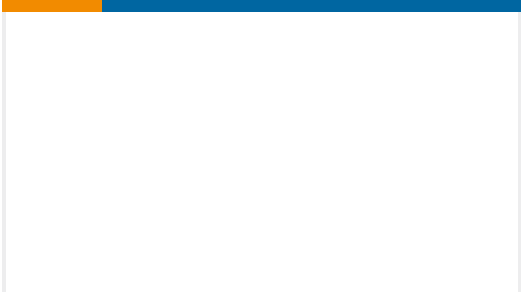
TE Part #2201061-1
RJ45 MODULAR JACK ASSY V 8P



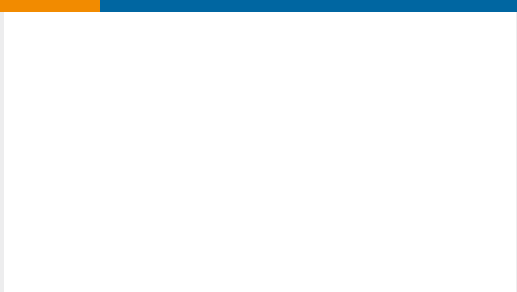
TE Part #2229093-1
MOD JACK ASSEMBLY V-TYPE H=21.7mm



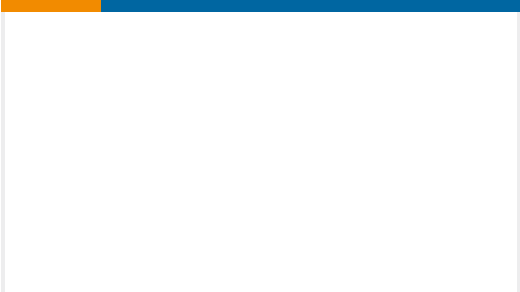
TE Part #1-2394033-2
HD-20 PLUG 9P SMT UNC 4-40 THD, W/O STUD



TE Part #1932638-8
Std USB Type A, R/A, SMT, Offset



TE Part #2-1721066-7
PCN-105L3MHZ



TE Part #1981712-1
Packaging Kit for D3100



TE Part #5917630-2
REC ASS'Y 60P 1.27FHBB



TE Part #5917630-3
REC ASS'Y 80P 1.27FHBB

Documents

Product Drawings

DYNAMIC D3100 HDR ASSY 12P H

Japanese

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_178306-5_B1.2d_dxf.zip



English

Customer View Model

[ENG_CVM_178306-5_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_178306-5_B1.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[TUV Certificate](#)

English