



Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 20-45A, 250-630V



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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **10.16 mm [.399 in]**

PCB Mount Orientation: **Vertical**

[All Header Assembly: Wire-to-Board, 20-45A, 250-630V \(59\)](#)

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	6
Number of Rows	1
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Black
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Contact Features

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Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	30 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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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)	10.16 mm[.399 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Type	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: JAN 2022 (223)
Candidate List Declared Against: JAN 2022 (223)
Does not contain REACH SVHC

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

TE Part # 1-179958-6
DYNAMIC D-5 REC HSG X SGL ROW

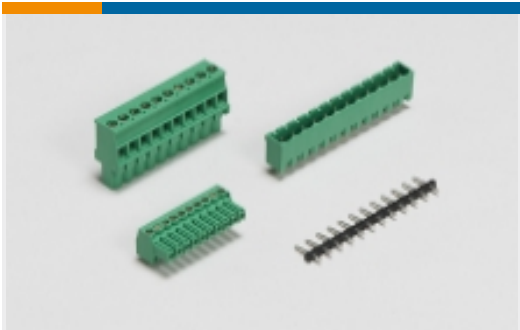
Also in the Series | Dynamic 5000 Series

Insertion & Extraction Tools(1)

PCB Connector Mounting(3)

PCB Connector Strain Relief(2)

PCB Headers & Receptacles(59)



PCB Terminal Blocks(6)



Wire-to-Board Connector Assemblies & Housings(71)



Wire-to-Board Connector Contacts(43)

Customers Also Bought



TE Part #1-353080-2
Header Assembly: Wire-to-Board, 20-45A, 250-630V



TE Part #1-770876-0
09P MINI UMNL HDR ASSY SN



TE Part #1827525-1
MECHATROLINK II CONNECTOR KIT



TE Part #5-1879267-0
RP 2B 1M0 0.1% 15PPM 1K RL



TE Part #178326-3
DYNAMIC DBL ROW HDR ASSY 12P V



TE Part #1-794079-0
24P MINI UMNL HDR W/O DH SN LF



TE Part #1-1393586-9
V23535A2200A261=BKMOD421
HEADE

Documents

Product Drawings

DYNAMIC D-5200 HDR ASSY 6P V X

English

CAD Files

Customer View Model

ENG_CVM_1-179960-2_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_1-179960-2_E1.3d_stp.zip

English

Customer View Model

ENG_CVM_1-179960-2_E1.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

1-1773732-4_DYNAMIC_SERIES_CATALOG_ENGLISH

Japanese

1-1773732-4_DYNAMIC_SERIES_CATALOG_ENGLISH

English

Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

MD_1-179960-2_11102017548_dmtec

English

MD_1-179960-2_11102017548_dmtec

English

Agency Approvals

TUV Certificate

English