1-2390471-0 ✔ ACTIVE

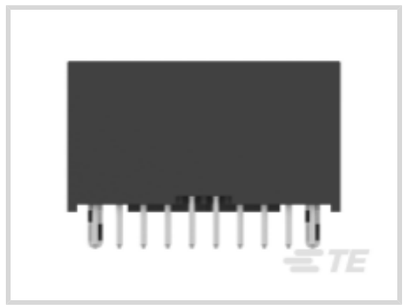
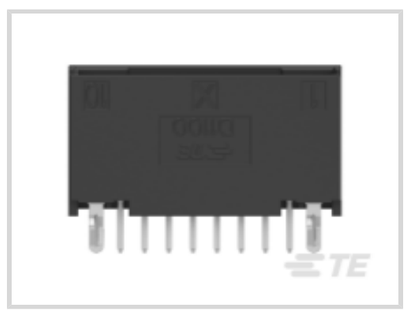
TE Internal #: 1-2390471-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2 mm [.079 in] Centerline, Header & Ejector Assembly, Tin (Sn), Through Hole - Solder, Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Centerline (Pitch): **2 mm [.079 in]**

All Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated (88)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Header & Ejector Assembly
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	10
Number of Loaded Positions	10
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

Number of Positions	10
Number of Rows	1
Number of Power Positions	10

Electrical Characteristics

Operating Voltage	125 VDC

Body Features

Connector & Keying Code	X
PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Pre-Tin
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Mating Tab Width	.7 mm[.028 in]
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
Contact Base Material	Copper Alloy
Mating Tab Thickness	.5 mm[.02 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	3.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without

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

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2 mm[.079 in]
Housing Material	Thermoplastic Polyester GF

Dimensions

Connector Width	8 mm[.315 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Connector Height	12.45 mm[.49 in]
Connector Length	22.6 mm[.89 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

UL Rating	Certified
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	21
Packaging Method	Box

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 # 1-1939758-0
REC HSG 10POS X-KEY

Customers Also Bought



TE Part #T2040052060-000
HMF-6.0



TE Part #1-1747276-4
DYNAMIC D4200 REC HSG 4P/X



TE Part #CAT-D9934-A78B
Header Assembly: Wire-to-Board, 24A, Gold Plated



TE Part #1747415-2
DYNAMIC D4200 REC CONT L



TE Part #1-1827862-0
DYNAMIC 1100D REC HSG 20P X BLACK



TE Part #1871303-1
DYNAMIC D1000 REC CONT M PRE TIN REEL



TE Part #CAT-D9934-A15E
Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated

Documents

Product Drawings

D1100S HDR ASSY, 10POS, V-TYPE, TIN-PL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2390471-0_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2390471-0_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2390471-0_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

DYNAMIC D-1000 SERIES

English

Product Specifications

Product Specification

English