1-1827583-2 ✔ ACTIVE

Dynamic Series | Dynamic 1000 Series

TE Internal #: 1-1827583-2

PCB Mount Header, Horizontal, Wire-to-Board, 6 Position, 3.5 mm [.137 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Dynamic 1000 Series

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 5A, Gold Plated



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

Number of Positions: **6**

Number of Rows: **3**

Centerline (Pitch): **3.5 mm [.137 in]**

PCB Mount Orientation: **Horizontal**

All Header Assembly: Wire-to-Board, 5A, Gold Plated (5)

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	3
PCB Mount Orientation	Horizontal

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Contact Underplating Material	Nickel

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to PCB	Through Hole - Solder

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)	3.5 mm[.137 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	55
Packaging Method	Box, Tube

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 # 1-2069029-2
DYNAMIC 1500T REC HSG 6P X BLACK

Also in the Series | Dynamic 1000 Series



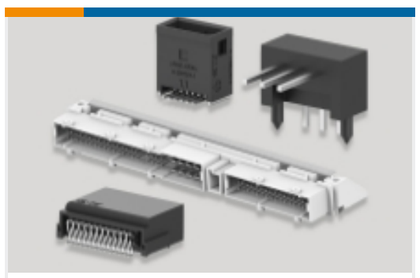
Connector Contacts(40)



Connector Hardware(3)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(2)



Standard Rectangular Connectors(4)



Wire-to-Board Connector Assemblies & Housings(159)

Customers Also Bought



TE Part #1-640455-0
10P MTA100 HDR ASSY SQ R/A POL



TE Part #1-1827876-2
Header Assembly: Wire-to-Board, 5A, gold or tin plated



TE Part #178323-3
DYNAMIC D3100D HDR V 6P ASSY AU076



TE Part #5745990-3
09 MSFL PLUG RA 590 (IN,FM)



TE Part #5145275-2
AMP 1MM STD EDGE 340 DUAL POS



TE Part #3-5353652-6
.5FHP08H,440,B,GIG,08/Sn,HT,NSYes



TE Part #2-2362375-4
PCIE GEN4, 164POS ,30u" ,DIP ,2.3 mm TAIL



TE Part #1-1827872-1
DYNAMIC 1100D HDR ASSY V 22P BLACK GOLD

Documents

Product Drawings

DYNAMIC 1500T HDR ASSY H 6P BLACK GOLD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1827583-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1827583-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1827583-2_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773721-5_DYNAMIC_SERIES_QRG

English

Product Specifications

Application Specification

English

Agency Approvals

TUV Certificate

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2377783-2 2834055-1 3430B2F51RTDF SBCHE64R7K TE50BR39J U5254-000005-030PA 1393431-1 1743455-2 1903112-2 2380312-2 1-794222-0 1-962915-1 2005330-1 3-1393225-0 RH73H2A40MKTN SBCHE154R7K 1969656-1 650075-000 917696-1 CRGCQ2010J3K3 141991-2 175977-2 2310537-1 3631B101LL ROX05SJ18R CPF0402B37K4E1 SMW73R0JT 2-292161-3 936348-1 MPT100C18RF