



**THE DATASHEET OF**  
**1-1939638-0**



1-1939638-0 ✓ ACTIVE

[Dynamic Series](#) | [Dynamic 1000 Series](#)

TE Internal #: 1-1939638-0

PCB Mount Header, Horizontal, Wire-to-Board, 40 Position, 2 mm [.079 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, 3A, Gold or Tin Plated



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

Number of Positions: **40**

Number of Rows: **2**

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

PCB Mount Orientation: **Horizontal**

[All Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated \(61\)](#)

## 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	40
Number of Rows	2
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)	3 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)	2 mm[.079 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	11
Packaging Method	Package

## 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



Also in the Series | [Dynamic 1000 Series](#)



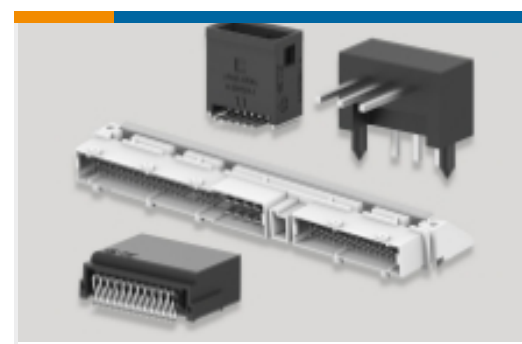
Connector Contacts(40)



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



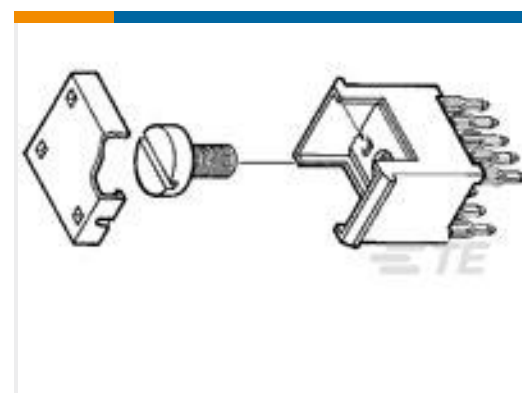
TE Part #1-1827863-0  
DYNAMIC 1100 REC AND TAB HSG



TE Part #1-917337-5  
DYNAMIC 3200 HDR ASSY



TE Part #1376135-1  
DYNAMIC D2100 HDR H ASSY 3P X



TE Part #5055557-4  
10 POWER TAP ASSY .100



TE Part #2391079-1  
Matenet, header, 2x2 port, code A

## Documents

### Product Drawings

[DYNAMIC 1100D HDR ASSY H 40P XBLACK GOLD](#)

Japanese

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-1939638-0\\_D.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1939638-0\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1939638-0\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

---

**Product Specifications**

[Application Specification](#)

English

---

**Agency Approvals**

[TUV Certificate](#)

English

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

[View 1-1939638-0 on WIN SOURCE](#)

[TE Connectivity Information](#)

### Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management