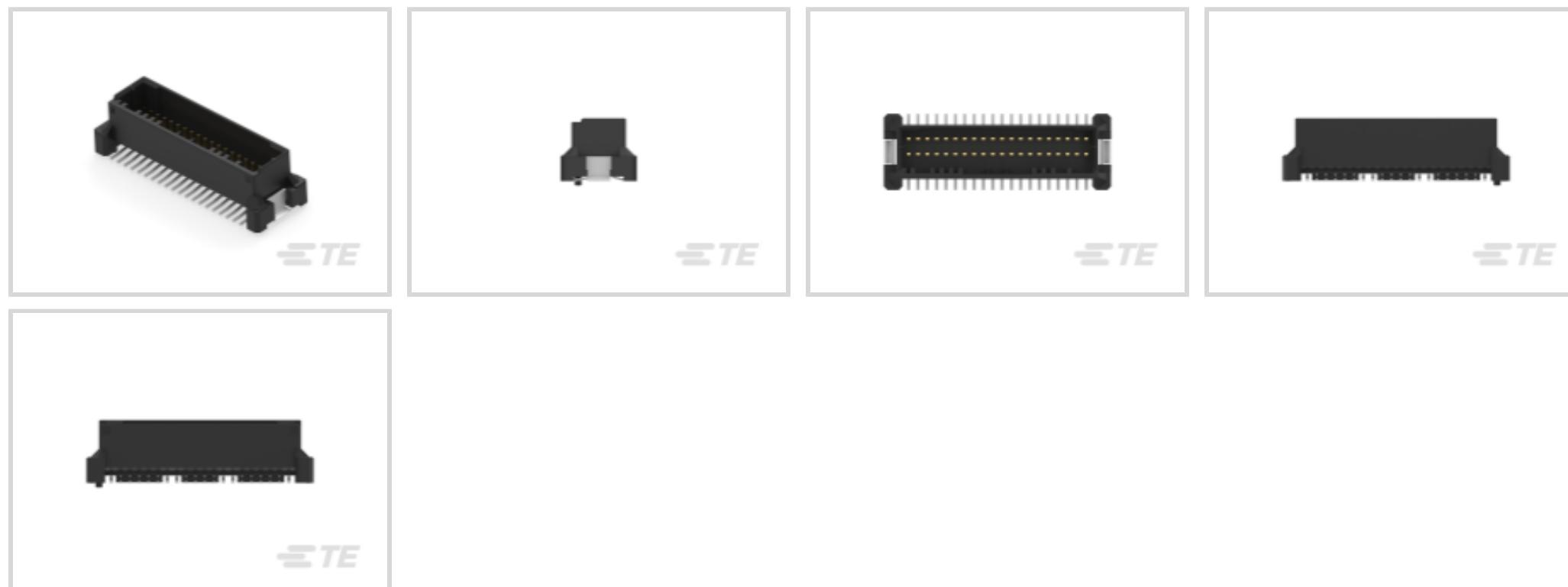


Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated



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

Number of Positions: **40**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

[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	Vertical

### Body Features

Primary Product Color	Black
-----------------------	-------

### Contact Features

Contact Mating Area Plating Material Thickness	.38 $\mu\text{m}$ [15 $\mu\text{in}$ ]
--	--

Contact Mating Area Plating Material	Gold
--------------------------------------	------

Contact Type	Pin
--------------	-----

Contact Current Rating (Max)	3 A
------------------------------	-----

#### Termination Features

Termination Method to Printed Circuit Board	Surface Mount
---	---------------

#### Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
--------------------------	----------------

Mating Alignment Type	Keyed
-----------------------	-------

Mating Retention	With
------------------	------

PCB Mount Retention Type	Solder Peg
--------------------------	------------

Connector Mounting Type	Board Mount
-------------------------	-------------

Mating Alignment	With
------------------	------

PCB Mount Alignment	With
---------------------	------

PCB Mount Retention	With
---------------------	------

#### Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
------------------	------------------------------

Centerline (Pitch)	2 mm[.079 in]
--------------------	---------------

#### Usage Conditions

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 Method	Box, Tray
------------------	-----------

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024

(240)

Candidate List Declared Against: JUL 2021

(219)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per  
homogenous material. Also BFR/CFR/PVC  
Free

Solder Process Capability

Reflow solder capable to 260°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>

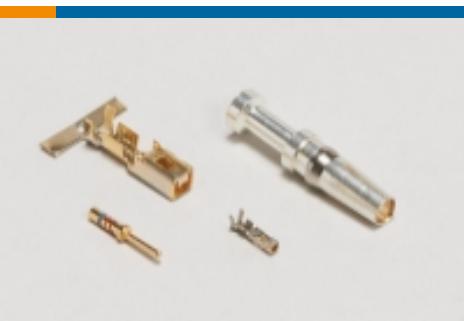
## Compatible Parts



TE Part # 1-1827863-0  
DYNAMIC 1100D REC HSG X 40P BL

## Also in the Series

## Dynamic 1000 Series



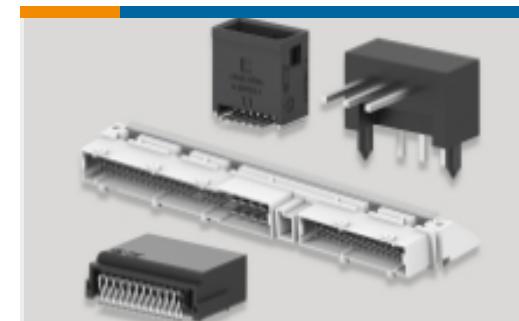
Connector Contacts(40)



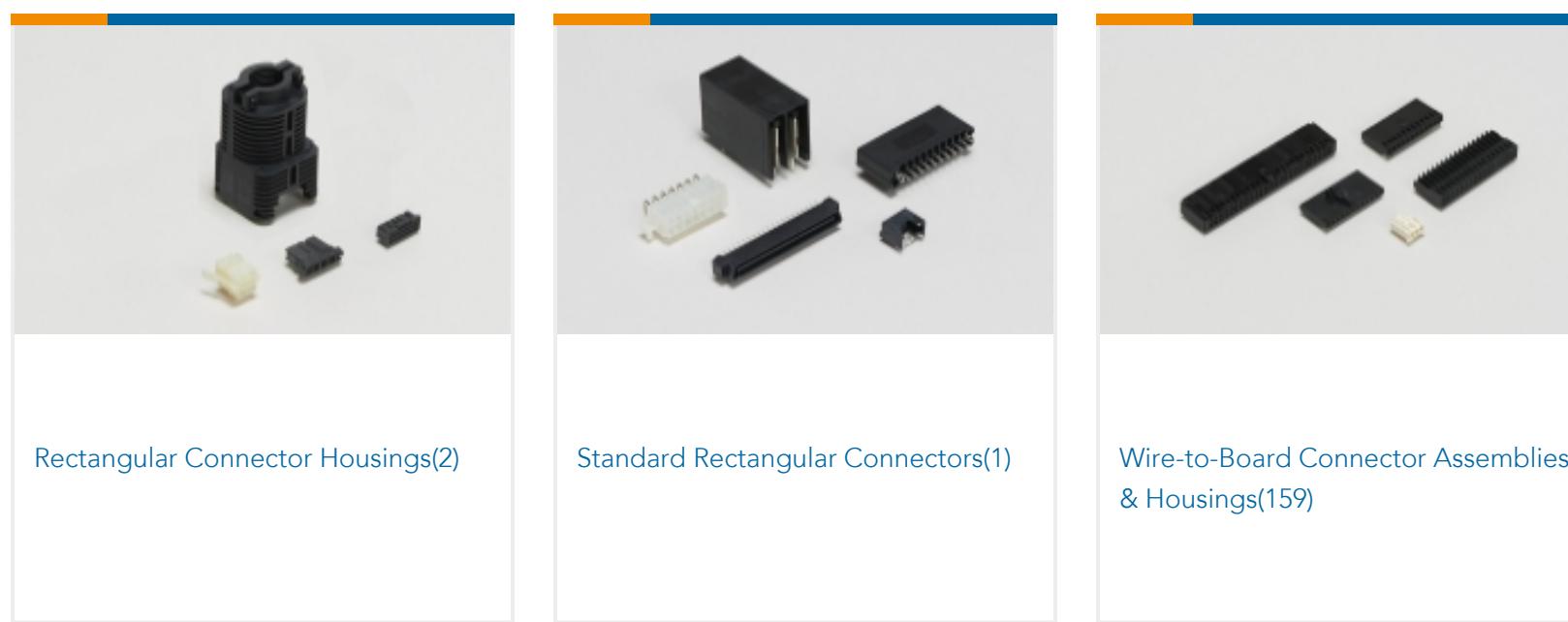
Connector Hardware(3)



Insertion &amp; Extraction Tools(2)



PCB Headers &amp; Receptacles(172)



## Customers Also Bought



## Documents

### Product Drawings

[DYNAMIC D1100D SMT-HDR V 40P BLACK X](#)

English

### CAD Files

[3D PDF](#)

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1939995-0\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1939995-0\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1939995-0\\_E.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