



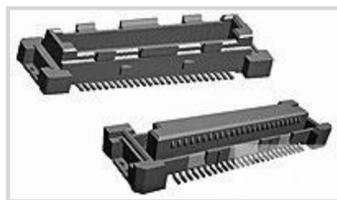
**Free Height**

TE Internal #: 1-5353135-0

PCB Mount Header, Vertical, Board-to-Board, 280 Position, .6 mm [.024 in] Centerline, Gold, Surface Mount, Signal, Black, Free Height

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **280**

Centerline (Pitch): **.6 mm [.024 in]**

**Features**

**Product Type Features**

Ground Component Type	Grounding Contact, Grounding Plate
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	280
Board-to-Board Configuration	Parallel

**Electrical Characteristics**

Dielectric Withstanding Voltage (Max)	200 VAC
Insulation Resistance	2 MΩ
Operating Voltage	50 VAC

**Body Features**

Primary Product Color	Black
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**Contact Features**

Contact Layout	Inline
Contact Mating Area Length	1 mm, 1.3 mm



PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Mating Tab Width	.3 mm[.012 in]
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.2 $\mu\text{m}$ [7.874 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	.5 A

### Termination Features

Square Termination Post & Tail Dimension	.2 mm[.008 in]
Termination Method to Printed Circuit Board	Surface Mount

### Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
PCB Mount Retention Type	Solder Peg
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	.6 mm[.024 in]
Housing Material	High Temperature Thermoplastic

### Dimensions

Connector Height	8 mm[.314 in]
Stack Height	8 mm, 16 mm[.63 in]
	.2 in

### Usage Conditions

Operating Temperature Range	-40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$ ]
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### Operation/Application

Assembly Process Feature	Vacuum Cover
Circuit Application	Signal



### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	400
Packaging Type	Tape

### 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 2022 (224) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



## Also in the Series | Free Height



## Documents

### Product Drawings

[.6FHP08H,280,B,STD,08/Sn,TR,NSYes](#)

Japanese

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5353135-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5353135-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5353135-0\\_A.3d\\_stp.zip](#)

English



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

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## Datasheets & Catalog Pages

### Fine Pitch Stacking Connectors - 0.6mm Free Height (FH) and GIGA Connectors

English

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## Product Specifications

### Application Specification

English