

1-5316562-1 ✓ ACTIVE



### Free Height

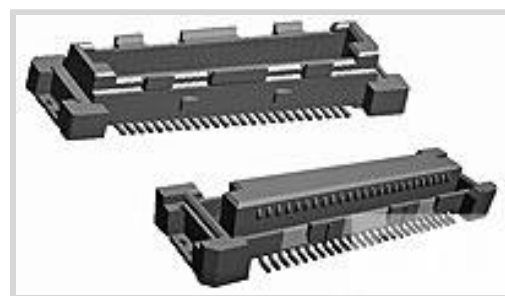
TE Internal #: 1-5316562-1

Free Height, PCB Mount Header, Vertical, Board-to-Board, 160

Position, .6mm [.024in] Centerline, Gold, Printed Circuit Board

[View on TE.com >](#)

Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **160**

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

Number of Rows	2
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	160
Board-to-Board Configuration	Parallel

### Electrical Characteristics

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

### Contact Features

Contact Layout	Inline
Contact Mating Area Length	1 mm, 1.3 mm
PCB Contact Termination Area Plating Material Thickness	1 μm[39.37 μin]
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 μm[7.874 μin]
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 Color	Black
Housing Material	High Temperature Thermoplastic

### Dimensions

Connector Height	8 mm[.31 in]
Stack Height	8 mm, 16 mm[.63 in]
	.2 in

### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F][-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	30
Packaging Method	Soft Tray

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

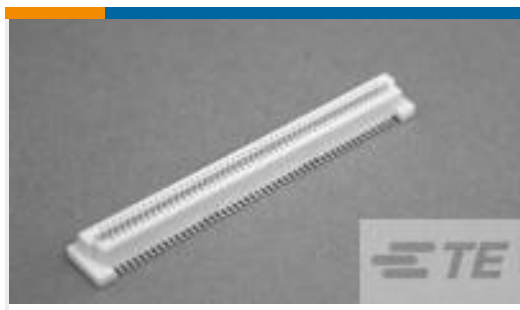
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not 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



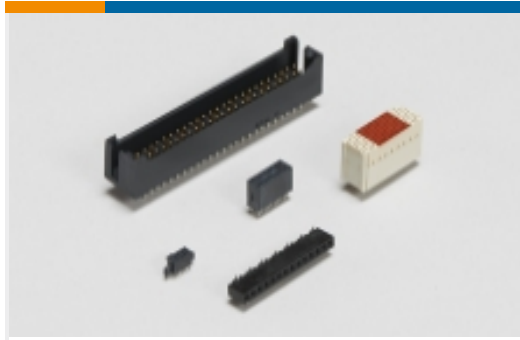


TE Part # 1-5353189-1  
.6FHR04H,160,S,STD,08/SP,TR,NSNo



TE Part # 6-5353189-1  
.6FHR04H,160,S,STD,08/SP,TR,SENo

### Also in the Series | Free Height



Board-to-Board Headers & Receptacles(764)

### Customers Also Bought



TE Part #1-1932000-0  
DDR3 DIMM SOCKETS



TE Part #102976-2  
02 MODII HDR SRST B/A .100CL



TE Part #102976-3  
03 MODII HDR SRST B/A .100CL



TE Part #1-2271457-8  
DYNAMIC 3950 ASSY



TE Part #1-2040558-3  
DYNAMIC 1200D HDR ASSY V 6P X BLACK TIN



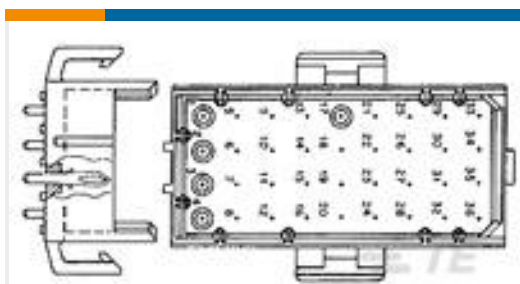
TE Part #1-2040558-6  
DYNAMIC 1200D HDR ASSY V 12P X BLACK TIN



TE Part #1-2349825-8  
D4950 REC 8POSN 1ROW TRAY AU



TE Part #1-2349849-8  
D4950 HDR H STD 8POSN 1ROW TRAY AU



TE Part #1318699-1  
MR HDR ASSY 3P COATING



TE Part #P5407601200-000  
PN-507939\_PLASTIC DUST CAP, M12



## Documents

### Product Drawings

[.6FHP08H,160,S,GIG,08/Sn,ST,NS](#)

Japanese

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### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_1-5316562-1\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1-5316562-1\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1-5316562-1\\_O.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

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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