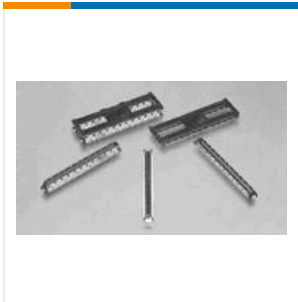




BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

.5FHR04H,220,S,GIG,08/Sn,HT,NSYes

0.5mm FH | .5mm FH

3-6318490-6

TE Internal Number: 3-6318490-6

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.0197 mm [.5 in]**

Stack Height (mm) **4, 5, 8**

Stack Height (in) **.315**

Number of Positions **220**

Packaging Method **Hard Tray**

Product Drawings

[HARD TRAY ASSY FH 0.5BTB CONNECTOR 220POS REC 4H WITH GROUND PLATE](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Catalog Pages/Data Sheets

[Fine Pitch Stacking Connectors - 0.5mm Free Height \(FH\) Connectors](#)

PDF
English

[2-1773454-6_Stacking_Connectors](#)

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English

Product Specifications

Product Specification

[0.5mm Pitch Board To Board Connector, Free Height Type](#)

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Application Specification

[0.5mm Pitch Board To Board Connector, Free Height Type](#)

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[0.5 Mm Free Height \(FH\) Connectors \(Parallel Board-To-Board\)](#)

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Product Environmental Compliance

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Connector Style	Receptacle
	Board-to-Board Configuration	Mezzanine
	Type	COM Express
	PCB Mounting Orientation	Vertical
	Applies To	Printed Circuit Board
	Product Type	Connector
	Boss	With
	Series	Free Height

Configuration Features	Number of Positions	220
	Preloaded	Yes
	Number of Rows	2
	Stackable	No

Electrical Characteristics	Voltage (VAC)	50
	Dielectric Withstanding Voltage (VAC)	200

Body Features	Grounding Plate	Without
	Sealant	Without

Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness (µin)	8
	Contact Current Rating (A)	.5
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin
	Contact Layout	Inline
	Grounding Contact	With
	Solder Tail Contact Plating Thickness	1 µm [39.37 µin]
	Contact Base Material	Copper Alloy

Termination Features	Termination Method to PC Board	Surface Mount
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Mechanical Attachment	Mating Alignment Type	Polarization
	PCB Mount Retention	With
	PCB Mount Retention Type	Solder Peg
	PCB Mount Alignment Type	Locating Posts
Housing Features	Centerline	.0197 mm [.5 in]
	Housing Material	High Temperature Thermoplastic
	Housing Color	Black
Dimensions	Stack Height (mm)	4, 5, 8
	Stack Height (in)	.315
	Height	4 mm [.157 in]
Usage Conditions	Operating Temperature Range	-40 – 80 °C [-40 – 176 °F]
	Housing Material Temperature	High
Operation/Application	Pick and Place Cover	Without
	For Use With	Plug
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Hard Tray
	Packaging Quantity	210
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>SO DIMM SOCKETS</p> <p>SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 6 1612773-4</p>	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p> <p>05P MTA100 HRD ASSY F/L LF 3-647630-5</p>	<p>STANDARD RECTANGULAR CONNECTORS</p> <p>RP 2A 0.25W 54K9 0.1% 25PPM 1K RL 7-2176093-0</p>	<p>STANDARD RECTANGULAR CONNECTORS</p> <p>14P VAL-U-LOK R/A HDR SCRMT V2 1-1586043-4</p>
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Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles
0.5mm FH | .5mm FH

.5FHP05H, 220, S, GIG, 08/Sn, HT, NSYes
- 3-1827253-6

TE INTERNAL NUMBER: 3-1827253-6

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.0197 mm**

Stack Height **5 mm, 9 mm**

Number of Positions **220**

Packaging Method **Hard Tray**

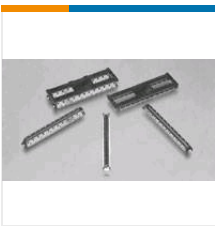
RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles
0.5mm FH | .5mm FH

.5FHP08H, 220, S, GIG, 08/Sn, HT, NSYes
- 3-6318491-6

TE INTERNAL NUMBER: 3-6318491-6

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.0197 mm**

Stack Height **8 mm**

Number of Positions **220**

Packaging Method **Hard Tray**