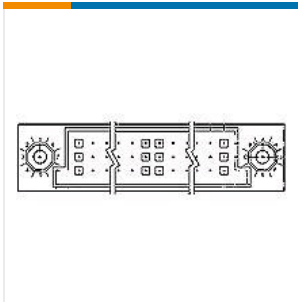




# BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## HDI PIN ASSY 3ROW 165/107 POS

AMP-HDI | HDI

650841-1

TE Internal Number: 650841-1

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Connector Style **Plug**

Centerline **2.54 mm [ .1 in ]**

Number of Positions **165**

Packaging Method **Tube**

Contact Mating Area Plating Material **Gold**

### Product Drawings

[PIN ASSEMBLY,HDI,3 ROW,165 POSITION SELECT LOADED,W/.250 ACTION PIN POSTS](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
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[Customer View Model](#)

3D\_STP.ZIP  
English

### Product Specifications

Product Specification

[Connector, Interconnect, High Density](#)

PDF  
English

Application Specification

[AMP-HDI Connectors](#)

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English

Qualification Test Report

[AMP-HDI Connectors](#)

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Japanese

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[AMP-HDI Connectors](#)

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English

### Instruction Sheets

Instruction Sheet (U.S.)

[AMP-HDI High Density Interconnection Printed Circuit \(PC\) Board Connectors](#)

PDF

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

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Product Type Features	Connector Style	<b>Plug</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Product Type	<b>Connector</b>
	Boss	<b>Without</b>
	Make First / Break Last	<b>No</b>

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Configuration Features	Number of Positions	<b>165</b>
	Center Guide	<b>Without</b>
	Number of Rows	<b>3</b>
	Stackable	<b>No</b>

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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Type	<b>Pin</b>
	Contact Configuration	<b>Four-Beam</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead</b>
	Contact Layout	<b>Matrix</b>
	Underplate Material	<b>Nickel</b>
	Contact Base Material	<b>Phosphor Bronze</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>6.35 mm [ .25 in ]</b>

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Mechanical Attachment	Mating Alignment	<b>Without</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Action/Compliant Tail</b>

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Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Material	<b>Thermoplastic</b>
	Housing Color	<b>Black</b>

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Dimensions	Mating Post Length	<b>5.33 mm [ .21 in ]</b>
	Tail Length	<b>6.35 mm [ .25 in ]</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 125</b>
Operation/Application	Pick and Place Cover	<b>Without</b>
	Assembly Process Feature	<b>Board Standoff</b>
	For Use With	<b>Receptacle Assembly</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>3</b>
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 2 Results

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Relation Type ▼

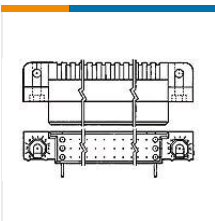
RELATIONSHIP

### Connectors

Used to identify connector relationships to other potential product

[See All Connectors](#)

PRODUCT - CONNECTORS



Connectors - Board-to-Board Headers & Receptacles  
AMP-HDI | HDI

**HDI RECP ASSY 3 ROW  
165 POS - 533268-8**

TE INTERNAL NUMBER: 533268-8

✓ Active

5 of 6 EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **2.54 mm**

Number of Positions **165**

Packaging Method **Tube**

Contact Mating Area Plating

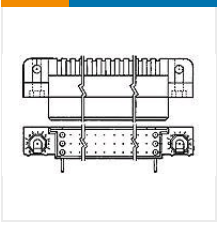
Material **Gold**

RELATIONSHIP

### Connectors

Used to identify connector relationships to other potential product

[See All Connectors](#)



Connectors - Board-to-Board Headers &  
Receptacles  
AMP-HDI | HDI

## HDI RECP ASSY 3 ROW 165 POS - 532431-8

TE INTERNAL NUMBER: 532431-8

✓ Active

5 of 6 EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **2.54 mm**

Number of Positions **165**

Packaging Method **Tube**

Contact Mating Area Plating

Material **Gold**



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