



# HEADERS & RECEPTACLES



## TE CONNECTIVITY (TE) 2.0mm,HDR,2pos,Vertical HPI | HDR

440054-2  
TE Internal Number: 440054-2

Always EU RoHS/ELV Compliant

Centerline **2 mm [ .079 in ]**

Number of Positions **2**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

#### 2.0 MM PITCH HPI VERTICAL POST HEADERS

PDF  
English

### CAD Files

#### Customer View Model

2D\_DXF.ZIP  
English

#### 3D PDF

PDF  
3D

#### Customer View Model

3D\_IGS.ZIP  
English

#### Customer View Model

3D\_STP.ZIP  
English

### Product Specifications

#### Product Specification

#### Metric Interconnect System (Restricted To Sony Corporation)

PDF  
English

#### AMP 2.0MM PITCH HPI WIRE-TO-BOARD SYSTEM.

PDF  
English

#### AMP 2.0mm Pitch HPI High Performance Interconnect (Low Cost) Wire-To-Board System

TIF  
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#### AMP 2.0mm Pitch HPI High Performance Interconnect (Low Cost) Wire-To-Board System

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#### Engineering Report

#### Test Report For Cross Use Test, AMP 2.0mm HPI With JST PH

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#### Test Report For Cross Use Test, AMP 2.0mm HPI With JST PH

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**AMP 2.0MM PITCH HPI WIRE-TO-BOARD SYSTEM.**

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**AMP 2.0mm Pitch HPI High Performance Interconnect (Low Cost) Wire-To-Board System**

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**AMP 2.0mm Pitch HPI High Performance Interconnect (Low Cost) Wire-To-Board System**

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**Product Environmental Compliance**

TE Material Declaration

[MD\\_440054-2\\_05032014521\\_dmtec](#)

PDF  
English

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**

PCB Mounting Orientation	<b>Vertical</b>
Product Type	<b>Connector</b>
Connector Type	<b>Header</b>
Connector System	<b>Wire-to-Board</b>
Wire/Cable Type	<b>Discrete Wire</b>
Sealed	<b>No</b>
Connector Style	<b>Plug</b>
Applies To	<b>Printed Circuit Board</b>

**Configuration Features**

Number of Positions	<b>2</b>
Number of Rows	<b>1</b>
Tail Orientation	<b>Straight</b>
Backwall/Post Interruptions	<b>Without</b>

**Electrical Characteristics**

Operating Voltage	<b>250 VAC [ 250 VDC ]</b>
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**Body Features**

Header Type	<b>Partially Shrouded</b>
Post Material	<b>Brass</b>
Post Plating Material	<b>Tin</b>

**Contact Features**

Contact Mating Area Plating Material	<b>Tin</b>
Contact Style	<b>Straight</b>
Contact Shape	<b>Square</b>
Contact Termination Area Plating Material	<b>Tin</b>

	Contact Type	<b>Pin</b>
	Contact Plating Material	<b>Tin</b>
	Contact Plating Material Finish	<b>Bright</b>
	Contact Current Rating (A)	<b>3</b>
	Contact Base Material	<b>Brass</b>
Termination Features	Contact Termination Type	<b>Through Hole</b>
	Termination Post Length	<b>.134 in, 3.4 mm</b>
	Termination Method to PC Board	<b>Through Hole</b>
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>Without</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Kinked Tines</b>
	Contact Retention	<b>With</b>
	Contact Retention Type	<b>Locking Lance</b>
Housing Features	Centerline	<b>2 mm [ .079 in ]</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon 66 GF</b>
Dimensions	Tail Length	<b>3.4 mm [ .134 in ]</b>
	Mating Post Length	<b>3.35 mm [ .131 in ]</b>
	PCB Thickness (Recommended)	<b>1 – 1.6 mm [ .039 – .063 in ]</b>
	Height	<b>6.05 mm [ .238 in ]</b>
	Wire/Cable Size (AWG)	<b>30 – 24</b>
	Width	<b>4.7 mm [ .185 in ]</b>
	Insulation Diameter	<b>.9 mm [ .0354 – .059 in ]</b>
	Length	<b>6 mm [ .236 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-25 – 85 °C [ -13 – 185 °F ]</b>
Operation/Application	For Use With	<b>440129-x</b>
	Pick and Place Cover	<b>Without</b>

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

Bag

Packaging Quantity


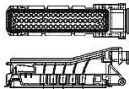

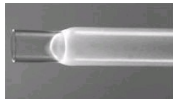
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Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

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Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Wire-to-Board Connector  
Housings  
HPI | HPI  
**HPI 2.0mm, HSG, 2pos,  
Black - 6-440129-2**  
TE INTERNAL NUMBER: 6-440129-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2 mm**

Number of Positions **2**

Number of Rows **1**

Color **Black**

Mating Retention **Without**

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Wire-to-Board Connector  
Housings  
HPI | HPI  
**HPI 2.0mm, HSG, 2pos,  
Yellow - 4-440129-2**  
TE INTERNAL NUMBER: 4-440129-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2 mm**

Number of Positions **2**

Number of Rows **1**

Color **Yellow**

Mating Retention **Without**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Wire-to-Board Connector  
Housings  
HPI | HPI  
**HPI 2.0mm, HSG, 2pos,  
Red - 8-440129-2**  
TE INTERNAL NUMBER: 8-440129-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2 mm**

Number of Positions **2**

Number of Rows **1**

Color **Red**

Mating Retention **Without**



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