



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 5mm B-T-W Conn. 2P HDR ASSEMBL

AMP | Power Double Lock

1376382-1

TE Internal Number: 1376382-1

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **10**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[5.0 POWER KEY CONNECTOR 2P HEADER ASSEMBLY](#)

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

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

PDF  
English

### Product Specifications

Product Specification

[5.0 POWER KEY CONNECTOR](#)

PDF  
English

Application Specification

[5.0 POWER KEY CONNECTOR](#)

PDF  
Japanese

Qualification Test Report

[5.0 POWER KEY CONNECTOR](#)

TIF  
Japanese

[5.0 PKC QUALIFICATION TEST REPORT](#)

PDF  
Japanese

[5.0 PKC QUALIFICATION TEST REPORT](#)

TIF  
Japanese

## Product Environmental Compliance

TE Material Declaration

[MD\\_1376382-1\\_0118201629\\_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.

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Product Type Features	Product Type	<b>Header</b>
	Housing Type	<b>Receptacle</b>
	Contact Type	<b>Pin, Tab</b>
	Header Type	<b>Shrouded</b>

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Configuration Features	Number of Positions	<b>2</b>
	Centerline	<b>5 mm [ .197 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>1</b>
	Contact Layout	<b>Inline</b>

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Electrical Characteristics	Contact Current Rating (A)	<b>10</b>
	Operating Voltage (VAC)	<b>300</b>

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Contact Features	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>1 <math>\mu</math>m [ 39.37 <math>\mu</math>in ]</b>
	Contact Base Material	<b>Copper Alloy</b>
	Contact Termination Area Plating Thickness	<b>1 <math>\mu</math>m [ 39.37 <math>\mu</math>in ]</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole - Press-Fit</b>
	Termination Post/Tail Length	<b>3.5 mm [ .138 in ]</b>


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Mechanical Attachment	Mating Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Post/Kinked Legs</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention Type	<b>Latch</b>

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Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon 6/6 GF</b>
<hr/>		
Dimensions	Mating Post Length	<b>6.3 mm [ .248 in ]</b>
	Width	<b>14.1 mm [ .555 in ]</b>
	Height	<b>14.1 mm [ .55 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Length	<b>11.6 mm [ .456 in ]</b>
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Usage Conditions	Sealed Condition	<b>Not Sealed</b>
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Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Printed Circuit Board</b>
	Operating Temperature	<b>-30 – 105 °C [ -22 – 221 °F ]</b>
	Circuit Application	<b>Signal/Power</b>
<hr/>		
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	Agency/Standard Number	<b>E28476</b>
	UL Rating	<b>Recognized</b>
	CSA File Number	<b>LR7189</b>
	Agency/Standard	<b>CSA, UL</b>
<hr/>		
Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>100</b>
<hr/>		
Other	For Use With	<b>Plug Housing</b>
	Selectively Loaded	<b>No</b>
<hr/>		
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

## CUSTOMERS ALSO BOUGHT

<p>RECTANGULAR POWER CONNECTORS</p> 	<p>RECTANGULAR POWER CONNECTORS</p> 	<p>RECTANGULAR POWER CONNECTORS</p> 	<p>STANDARD POWER RELAYS</p> 
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 <p>5mm B-T-W Conn. 4P HDR ASSEMBL 1376384-1</p>	 <p>5mm B-T-W Conn. 6P(2row) HDR A 1376387-1</p>	 <p>5mm B-T-W Conn. 3P HDR ASSEMBL 1376383-1</p>	 <p>RTB14012 RTB14012</p>
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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
AMP I Power Double Lock

**5MM POWER KEY 2P  
PLUG HSG NUT  
- 1376388-1**

TE INTERNAL NUMBER: 1376388-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Wire/Cable**

Contact Current Rating **10 A**

