



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 5mm B-T-W Conn. 6P(2row) HDR A

AMP | Power Double Lock

1376387-1

TE Internal Number: 1376387-1

Not reviewed for RoHS Compliance

Product Type **Header**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **8**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

#### Product Drawings

[5.0 POWER KEY CONNECTOR 6P HEADER ASSEMBLY \(2ROW\)](#)

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

#### 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\\_1376387-1\\_042120142245\\_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>6</b>
	Centerline	<b>5 mm [ .197 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>2</b>
	Row-to-Row Spacing	<b>6.2 mm [ .244 in ]</b>
	Contact Layout	<b>Inline</b>

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Electrical Characteristics	Contact Current Rating (A)	<b>8</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 µm [ 39.37 µin ]</b>
	Contact Base Material	<b>Copper Alloy</b>
	Contact Termination Area Plating Thickness	<b>1 µm [ 39.37 µin ]</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>

Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon 6/6 GF</b>
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>16.6 mm [ .653 in ]</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
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>
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>
Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>100</b>
Other	For Use With	<b>Plug Housing</b>
	Selectively Loaded	<b>No</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	




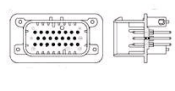
## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES

RECTANGULAR POWER CONNECTORS

WIRE-TO-BOARD HEADERS & RECEPTACLES

AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HEADERS

 <p>UP 3.96 4P TAB HDR NAT TYPE 1 178487-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>5mm B-T-W Conn. 4P HDR ASSEMBL 1376384-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>AMP UNIVERSAL POWER PLG 3C PCB 176976-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>HEADER ASSY, 35 POS VERTICAL 776231-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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Products - 1 Results

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Relation Type 

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - Rectangular Power Connectors AMPI Power Double Lock</p> <p><b>5MM POWER KEY 6P PLUG HSG NUT</b> - 1376393-1</p> <p>TE INTERNAL NUMBER: 1376393-1</p> <p> Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Housing</b></p> <p>Housing Type <b>Plug</b></p> <p>Connector System <b>Wire-to-Board</b></p> <p>Applies To <b>Wire/Cable</b></p> <p>Contact Current Rating <b>10 A</b></p>