



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## AMP POWER D/LOCK T/HDR ASSY 6P

[Power Double Lock](#) | [Power Double Lock](#)

179841-1

TE Internal Number: 179841-1

[Always EU RoHS/ELV Compliant](#)

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **8**

Number of Positions **6**

Active

[PRODUCT DRAWING](#)  
English

[3D PDF](#)

### Product Drawings

[AMP POWER DBL LOCK CONN 3.96mmPITCH 6P HEADER ASS'Y V TYPE](#)

PDF **(TIFF AVAILABLE)**

Japanese

[AMP POWER DBL LOCK CONN 3.96mmPITCH 6P HEADER ASS'Y V TYPE](#)

PDF **(TIFF AVAILABLE)**

English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP

English

[Customer View Model](#)

3D\_IGS.ZIP

English

[Customer View Model](#)

3D\_STP.ZIP

English

[3D PDF](#)

PDF

English

### Catalog Pages/Data Sheets

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

PDF

English

### Product Specifications

Product Specification

[AMP POWER DBL LOCK CONNECTOR](#)

PDF

English

Engineering Report

[GLOW WIRE 750 TEST FOR PDL 6P HDR ASSY 3.96 D/R NAT](#)

PDF

English

Qualification Test Report

[AMP Power DBL Lock Connector W-B Type](#)

TIF

English

[AMP Power DBL Lock Connector W-B Type](#)

PDF

English

## Instruction Sheets

Instruction Sheet (non U.S.)

### AMP POWER DOUBLELOCK CONNECTOR SERIES

PDF  
English

### AMP POWER DOUBLELOCK CONNECTOR SERIES

TIF  
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	Product Type	<b>Header</b>
	Contact Type	<b>Tab</b>
	Header Type	<b>Shrouded</b>
Configuration Features	Number of Positions	<b>6</b>
	Centerline	<b>3.96 mm [ .156 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>2</b>
	Row-to-Row Spacing	<b>4.6 mm [ .181 in ]</b>
	Contact Layout	<b>Matrix</b>
Electrical Characteristics	Contact Current Rating (A)	<b>8</b>
	Operating Voltage (VAC)	<b>50</b>
Contact Features	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>1 µm [ 39.37 µin ]</b>
Termination Features	Wire/Cable Size (AWG)	<b>26 – 16</b>
	Termination Method to Wire/Cable	<b>Solder</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>3.8 mm [ .148 in ]</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Posts</b>
	Mating Alignment Type	<b>Polarization</b>
	PCB Mount Alignment	<b>With</b>

Mating Retention Type

**Latch**

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Housing Features

UL Flammability Rating

**UL 94V-0**

Housing Color

**Natural**

Housing Material

**Nylon 6/6 GF**

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Dimensions

Insulation Diameter (Max)

**3.1 mm [ .122 in ]**

Width (mm)

**13.6**

Height (mm)

**14.6**

PCB Thickness (Recommended)

**1.6 mm [ .063 in ]**

Length (mm)

**14.8**

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Usage Conditions

Sealed Condition

**Not Sealed**

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Operation/Application

Connector System

**Wire-to-Board**

Applies To

**Printed Circuit Board**

Operating Temperature

**-30 – 105 °C [ -22 – 221 °F ]**

Circuit Application

**Signal/Power**

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Industry Standards

Glow Wire Rating

**Glow Wire**

VDE Tested

**Yes**

Agency/Standard Number

**E28476**

Agency/Standard

**CSA, UL**

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Packaging Features

Packaging Method

**Box**

Packaging Quantity

**272**

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Other

For Use With

**Plug: 177901**

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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

RECTANGULAR POWER  
CONNECTORS

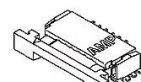














RECTANGULAR POWER  
CONNECTORS

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FPC CONNECTORS



 <p>AMP POWER TAB HDR ASSY 8P V 917845-1</p>	 <p>AMP POWER D/LOCK T/HDR ASSY 6P 179849-1</p>	 <p>AMP POWER D/LOCK T/HDR ASY 12P 179843-1</p>	 <p>1MM FPC HORZ.BTTM CONT.ASS.7P 84952-7</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



Connectors - Rectangular Power Connectors  
Power Double Lock | Power Double Lock

**POWER DBL LOCK PLUG**  
**HSG 6P - 177901-1**  
TE INTERNAL NUMBER: 177901-1

 Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Board, Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **6**

