



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## POWER DBL LOCK PLUG HSG 4P

Power Double Lock | Power Double Lock

177900-1

TE Internal Number: 177900-1

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 **4**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[AMP POWER DOUBLE LOCK CONN. 3.96mm PITCH PLUG HOUSING 4 Pos \(DBL ROW\)](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.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

Qualification Test Report

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

TIF  
English

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

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_177900-1\\_01212015220\\_dmtec](#)

PDF  
English

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## 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.

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#### Product Type Features

Product Type

**Housing**

Housing Type

**Plug**

Contact Type

**Socket**

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#### Configuration Features

Number of Positions

**4**

Centerline

**3.96 mm [ .156 in ]**

Number of Rows

**2**

Row-to-Row Spacing (in)

**.181, 4.6**

Contact Layout

**Matrix**

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#### Electrical Characteristics

Operating Voltage (VAC)

**50, 300**

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#### Termination Features

Wire Type

**Stranded**

Wire/Cable Type

**Discrete Wire**

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#### Housing Features

UL Flammability Rating

**UL 94V-0**

Housing Color

**Natural**

Housing Material

**Nylon 6/6**

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#### Dimensions

Height (mm)

**20.6**

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#### Usage Conditions

Sealed Condition

**Not Sealed**

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#### Operation/Application

Connector System

**Wire-to-Board, Wire-to-Wire**

Applies To

**Wire/Cable**

Operating Temperature

**-30 – 105 °C [ -22 – 221 °F ]**

Circuit Application


**Signal/Power**

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Identification Marking	Circuit Identification Feature	<b>With</b>
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	VDE Tested	<b>Yes</b>
	Agency/Standard	<b>CSA</b>
Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>300</b>
Other	For Use With	<b>Cap: 177908 or 179465, Contacts: 177914 or 177915, Double Lock Plate 177918-1, Header: 179840</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p>RECTANGULAR POWER CONNECTORS</p> <p>POWER DBL LOCK CAP HSG P/M 4P 177908-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>RECTANGULAR POWER CONNECTORS</p> <p>POWER DBL LOCK CAP HSG P/M 4P 177908-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>RECTANGULAR POWER CONNECTORS</p> <p>POWER DBL LOCK PLUG HSG 4P 177900-6</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>RIBBON CABLE CONNECTORS</p>  <p>A/L UNIV HDR 16P RA LG LAT 5499786-3</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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Products - 13 Results

[View All](#)

Compare 0/10 [↔](#)

Relation Type ▼

### RELATIONSHIP

#### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

	<p>PRODUCT - CONTACTS</p> <p>Connectors - Power Contacts AMP I Power Double Lock</p> <p><b>AMP POWER D/LOCK</b></p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Contact</b></p>	<input checked="" type="checkbox"/>
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## RECCONT. L/P - 179593-1

TE INTERNAL NUMBER: 179593-1

✓ Active

Contact Current Rating **10 A**

Wire/Cable Size **20 – 16 AWG**

Wire/Cable Size **.51 – 1.38 mm<sup>2</sup>**

Circuit Application **Power, Signal**

### 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

## AMP POWER D/LOCK T/HDR ASSY 4P - 179840-1

TE INTERNAL NUMBER: 179840-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **9 A**

Number of Positions **4**



### RELATIONSHIP

## Glow Wire Equivalent

Used to identify the Glow Wire Tested Equivalent Part

[See All Glow Wire  
Equivalent](#)

### PRODUCT - GLOW WIRE EQUIVALENT



Connectors - Rectangular Connector Housings  
Power Double Lock | Power Double Lock

## PDL 4P PLUG 3.96 D/R(GWT) NAT - 368575-1

TE INTERNAL NUMBER: 368575-1

✓ Active

Always EU RoHS/ELV Compliant

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

Centerline **3.96 mm**

Number of Positions **4**

Number of Rows **2**

Housing Material **PA 66**

