



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

AMP POWER D/LOCK T/HDR ASSY 4P

Power Double Lock | Power Double Lock

179840-1

TE Internal Number: 179840-1

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **9**

Number of Positions **4**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

[AMP POWER DBL LOCK CONN 3.96 Mm PITCH 4P HEADER ASS'Y V TYPE](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
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[Customer View Model](#)

3D_STP.ZIP
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[3D PDF](#)

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Catalog Pages/Data Sheets

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

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Product Specifications

Product Specification

[AMP POWER DBL LOCK CONNECTOR](#)

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Qualification Test Report

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

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

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Instruction Sheets

Instruction Sheet (non U.S.)

[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

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[AMP POWER DOUBLELOCK CONNECTOR SERIES](#)

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	Header
	Contact Type	Tab
	Header Type	Shrouded
Configuration Features	Number of Positions	4
	Centerline	3.96 mm [.156 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	2
	Row-to-Row Spacing	4.6 mm [.181 in]
	Contact Layout	Matrix
Electrical Characteristics	Contact Current Rating (A)	9
	Operating Voltage (VAC)	50
Contact Features	Contact Termination Area Plating Material	Tin
	Contact Termination Area Plating Thickness	1 µm [39.37 µin]
Termination Features	Wire/Cable Size (AWG)	20 – 16
	Termination Method to Wire/Cable	Solder
	Termination Method to PC Board	Through Hole - Solder
	Termination Post/Tail Length	3.8 mm [.148 in]
Mechanical Attachment	Mating Alignment	With
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Mounting Posts
	Mating Alignment Type	Polarization
	PCB Mount Alignment	With
	Mating Retention Type	Latch
Housing Features	UL Flammability Rating	UL 94V-0

Housing Color **Natural**

Housing Material **Nylon 6/6 GF**

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

Usage Conditions Sealed Condition **Not Sealed**

Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-30 – 105 °C [-22 – 221 °F]
	Circuit Application	Signal/Power

Industry Standards	Glow Wire Rating	Glow Wire
	VDE Tested	Yes
	Agency/Standard Number	E28476
	Agency/Standard	CSA, UL





Packaging Features	Packaging Method	Box
	Packaging Quantity	392

Other For Use With **Plug: 177900**

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

SURFACE MOUNT DEVICES	RECTANGULAR POWER CONNECTORS	RECTANGULAR POWER CONNECTORS	POWER CONTACTS
			
MICROSMD110F-2 MICROSMD110F-2	AMP POWER D/LOCK T/HDR ASSY 6P 179841-1	AMP POWER TAB HDR ASSY 8P V 917845-1	POWER D/LOCK REC CONT. H/P L/P 179593-2

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Relation Type ▼

RELATIONSHIP
Mating Products
 Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



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

**POWER DBL LOCK PLUG
 HSG 4P - 177900-1**
 TE INTERNAL NUMBER: 177900-1

✓ 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 **4**

RELATIONSHIP
Mating Products
 Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

**POWER DBL LOCK PLUG
 HSG 4P - 3-177900-1**
 TE INTERNAL NUMBER: 3-177900-1

✓ Active

Always EU RoHS/ELV Compliant

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

Insertion Force **High**

Centerline **3.96 mm**

Row-to-Row Spacing **4.6 mm**

Number of Positions **4**