



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

UP 3.96 2P DIP HDR NAT

Power Double Lock | AMP Universal Power

178495-1

TE Internal Number: 178495-1

Always EU RoHS/ELV Compliant

Centerline **3.96 mm [.156 in]**

Number of Positions **2**

PCB Mounting Orientation **Right Angle**

PCB Mounting Style **Through Hole**

Number of Rows **1**

Active

PRODUCT DRAWING
Japanese

3D PDF

Product Drawings

[Amp" Up" Conn. 3.96mm Pitch H-Hdr Assy. \(Dip.Type\) 2pos](#)
PDF (TIFF AVAILABLE)
Japanese

[Amp" Up" Conn. 3.96mm Pitch H-Hdr Assy. \(Dip.Type\) 2pos](#)
PDF (TIFF AVAILABLE)
Japanese

CAD Files

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

[Customer View Model](#)
3D_STP.ZIP
English

[Customer View Model](#)
2D_DXF.ZIP
English

[3D PDF](#)
PDF
English

Product Specifications

Product Specification

[AMP Universal Power Connector](#)
PDF
Japanese

Qualification Test Report

[AMP Universal Power Connector](#)
TIF
Japanese
[XREF](#)
TIF
English

[XREF](#)
PDF
English

Instruction Sheets

Instruction Sheet (non U.S.)

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)
TIF



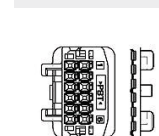

AMP UNIVERSAL POWER CONNECTOR SERIES

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	PCB Mounting Orientation	Right Angle
	Product Type	Connector
	Connector Type	Header
	Connector System	Wire-to-Board
	Glow Wire Rating	Standard Part - Not Glow Wire
	Connector Style	Plug
	Applies To	Printed Circuit Board
	Sealed	No
Configuration Features	Number of Positions	2
	Number of Rows	1
	Backwall/Post Interruptions	Without
Electrical Characteristics	Operating Voltage (VAC)	50
Body Features	Header Type	Shrouded
Contact Features	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Thickness	1 μm [39.37 μin]
	Contact Type	Tab
	Underplate Material	Nickel
	Tail Plating Thickness	1 μm [39.37 μin]
	Contact Transmits (Typical)	Power
	Underplate Material Thickness	.8 – 3 μm, 31.496 – 118.11 μin
	Contact Current Rating (A)	12
	Contact Layout	Inline
	Contact Style	Right Angle
	Contact Shape	Square
	Tail Plating Material	Tin
	Contact Termination Area Plating Material	Tin

	Contact Base Material	Brass
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Method to Wire/Cable	Solder
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Alignment	With
	PCB Mount Alignment Type	Locating Posts
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Contact Retention	Without
	Mating Alignment Type	Polarization
	Mating Alignment	With
	Mating Retention Type	Latch
Housing Features	Centerline	3.96 mm [.156 in]
	Housing Color	Natural
	Housing Material	Nylon 6/6 GF
Dimensions	Tail Length	3.8 mm [.148 in]
	Tab Width	.047 in, 1.2 mm
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	9.06 mm [.36 in]
	Height	9.55 mm [.38 in]
Usage Conditions	Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
Operation/Application	For Use With	Plug Housing
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Bag/Box
	Packaging Quantity	250
Other	Comment	50 VAC (3.96mm pitch W-B)

CUSTOMERS ALSO BOUGHT

POWER CONTACTS	WIRE-TO-BOARD CONNECTOR HOUSINGS	AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HOUSINGS	WIRE-TO-BOARD HEADERS & RECEPTACLES
 UNIV POWER REC CONT L/P 175156-1	 AMP UNIVERSAL POWER PLUG 2P 176271-1	 025 G 16POS CAP ASSY W TO W 1473410-1	 UNIV. POWER HDR H 4P 3.96MM NA 178497-1
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Products - 10 Results

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Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Wire-to-Board Connector Housings

Power Double Lock | AMP Universal Power

AMP UNIVERSAL POWER PLUG 2P - 176271-1

TE INTERNAL NUMBER: 176271-1

Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **2**

Number of Rows **1**

Color **Natural**

Mating Retention **With**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Wire-to-Board Connector Housings

Power Double Lock | AMP Universal Power

AMP UNIVERSAL POWER PLUG 2P - 176271-9

TE INTERNAL NUMBER: 176271-9

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **2**

Number of Rows **1**

✓ Active

Color **Black**

Mating Retention **With**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Wire-to-Board Connector

Housings

Power Double Lock I AMP Universal Power

**AMP UNIVERSAL POWER
PLUG 2P - 176271-4**

TE INTERNAL NUMBER: 176271-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **2**

Number of Rows **1**

Color **Yellow**

Mating Retention **With**

