



CONNECTORS

HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

AMP UNIVERSAL POWER PLG 3C PCB

Power Double Lock | AMP Universal Power

176976-1

TE Internal Number: 176976-1

Always EU RoHS/ELV Compliant

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

Number of Positions **3**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**



Product Drawings

[AMP UNIVERSAL POWER CONN. 3POS TAB HEADER ASS'Y \(V TYPE\)](#)

PDF (**TIFF AVAILABLE**)
English

[AMP UNIVERSAL POWER CONN. 3POS TAB HEADER ASS'Y \(V TYPE\)](#)

PDF (**TIFF AVAILABLE**)
English

CAD Files

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Product Specifications

[Product Specification](#)

[AMP Universal Power Connector](#)

Product Specification

[AMP Universal Power Connector](#)

PDF
Japanese

[AMP Universal Power Connector](#)

TIF
Japanese

[Power Cord Connector](#)

TIF
English

[Power Cord Connector](#)

PDF
English

Instruction Sheets

Instruction Sheet (non U.S.)

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

TIF
English

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

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.

Product Type Features

PCB Mounting Orientation	Vertical
Product Type	Connector
Connector Type	Header
Connector System	Wire-to-Board
Glow Wire Rating	Standard Part - Not Glow Wire
Applies To	Printed Circuit Board
Sealed	No

Configuration Features

Number of Positions	3
Number of Rows	1
Backwall/Post Interruptions	Without

Electrical Characteristics

Operating Voltage (VAC)	50
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Body Features

Header Type	Shrouded
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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

	Contact Termination (Typical)	Through Hole
	Underplate Material Thickness	.8 – 1.8 µm, 31.496 – 70.866 µin
	Contact Current Rating (A)	11
	Contact Layout	Inline
	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	Without
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Kinked
	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]
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

400

Other

Comment

Mating with 176272

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

