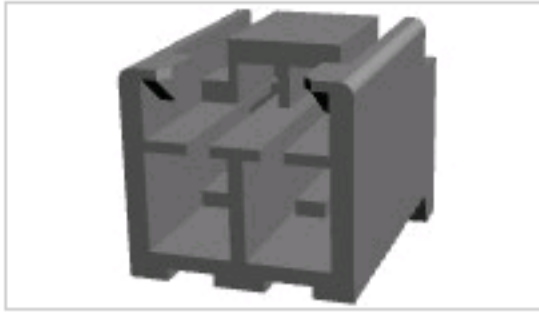




1-176975-9 Product Details

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2, 2.5, 3.3, 3.5, 3.96 & 6.2 Centerline 600 V, 12 A max.

UNIV POWER HDR ASSY 2P BLACK

1-176975-9

TE Internal Number: 1-176975-9

Active

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Product Highlights [View All](#)

- Universal Power Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Connector

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Feedback

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Please Note:

Use the Product Drawing for all design activity

Product Type Features	
Product Line	Universal Power
Product Type	Connector
Connector Type	Header
PCB Mounting Orientation	Vertical
PCB Mount Retention	With
PCB Mount Retention Type	Kinked
Sealed	No

Mechanical Attachment	
Mating Retention Type	Latch(ing)

Electrical Characteristics	
Contact - Rated Current (A)	3 - 7
Operating Voltage Reference	AC
Operating Voltage (VAC)	50

Termination Features	
Termination Method to Wire/Cable	Solder
Termination Method to PC Board	Through Hole - Solder

Dimensions	
Tab Width (mm [in])	1.1 [0.0433]
Tail Length (mm [in])	3.8 [0.148]
PCB Thickness, Recommended (mm [in])	1.60 [0.063]

Body Features	
Mating Retention	With

Contact Features	
Contact Type	Tab
Contact Layout	In-Line
Contact Base Material	Brass
Contact Plating, Mating Area, Material	Tin
Contact Plating, Mating Area, Thickness (µm [µin])	1 [39.37]
Multiple Contact Types	Without
Tail Plating Material	Tin
Tail Plating Thickness (µm [µin])	1 [39.37]
Underplate Material	Nickel
Underplate Material Thickness (µm [µin])	0.80 - 1.80 [31.496 - 70.866]

Housing Features	
Connector Style	Plug
Centerline (mm [in])	3.96 [0.156]
Housing Material	Nylon 6/6 GF
Housing Color	Black
Mating Alignment	With
Mating Alignment Type	Polarization

Configuration Features	
Number of Positions	2
Number of Rows	1

Industry Standards	
RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
RoHS/ELV Compliance History	Converted to comply with RoHS directive
UL Flammability Rating	UL 94V-0

Environmental	
Operating Temperature (°C [°F])	-30 - +105 [-22 - +221]

Conditions for Usage	
Applies To	Printed Circuit Board
Glow Wire Rating	Standard Part - Not Glow Wire
For Use With	Plug Housing

Operation/Application	
Application Use	Wire-to-Board
Contact Transmits (Typical Application)	Power

Packaging Features	
Packaging Method	Bag/Box
Packaging Quantity	400

Other	
Brand	AMP
Comment	50 VAC (3.96mm pitch W-B)

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