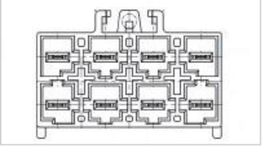
1827197-1 Product Details

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Power Double-Lock Connectors

AMP PDL 6.5MM PITCH 8P ASS'Y

1827197-1

TE Internal Number: 1827197-1

Product Highlights View All

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header
- Header Type = Shrouded

Pricing & Availability

Request Sample

Add to My Part List

Buy Product through Distributor

Documents | Features | Compliance

Please Note:
Use the Product Drawing for all design activity

Product Type Features

Product Type	Connector
Connector Type	Header
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Post(s)
PCB Mounting Orientation	Vertical
PCB Mount Alignment	With
Sealed	No

Mechanical Attachment

Mating Retention Type	Latch(ing)

Electrical Characteristics

Operating Voltage Reference	AC
Operating Voltage (VAC)	300

Termination Features

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

Dimensions

Tail Length (mm [in])	3.8 [0.148]
PCB Thickness, Recommended (mm [in])	1.60 [0.063]

Body Features

Header Type	Shrouded
Mating Retention	With

Contact Features

Contact Type	Tab
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Plating, Mating Area, Material	Tin
Contact Plating, Termination Area, Thickness (µm [µin])	1 [39.37]
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	Tab
Centerline, Matrix (mm [in])	6.5 x 6.5 [.256 x .256]
Housing Material	Nylon 6/6 GF
Housing Color	Natural
Mating Alignment	With
Mating Alignment Type	Polarization

Configuration Features

Number of Positions	8
Number of Rows	2

Industry Standards

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
RoHS/ELV Compliance History	Always was RoHS compliant
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	Glow Wire
For Use With	Plug: 1827196

Operation/Application

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

Packaging Features

Packaging Method	Tray
Packaging Quantity	119

Other

Brand	AMP

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