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Part Number: [10-84-4061](#)
Status: **Active**
Overview: [MLX™ Power Connectors](#)
Description: 6.35mm Pitch MLX™ Power Connector Header, Vertical, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Brick Red

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family	PCB Headers
Series	42002
Application	Power, Wire-to-Board
Comments	Solder Type
Overview	MLX™ Power Connectors
Product Name	MLX™
UPC	800753619807

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Red
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Resin	Polyester
Net Weight	3.865/g
Number of Rows	3
Orientation	Vertical
PC Tail Length	4.27mm
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Bag
Pitch - Mating Interface	6.35mm
Polarized to PCB	Yes
Shrouded	Fully
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

Electrical

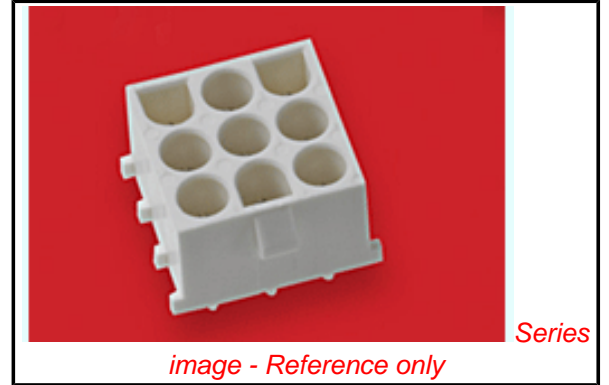
Current - Maximum per Contact	13.5A, 20A
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Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

Old Part Number	A-42002-6B1A1
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EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[42002Series](#)

Mates With

[42021 Plug](#)

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