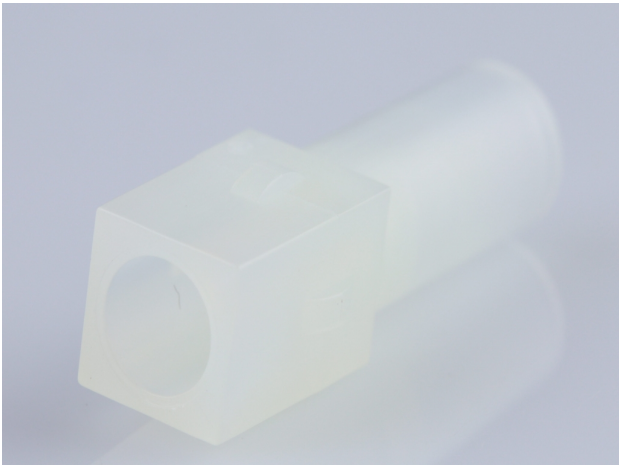




Part Number : [50841010](#)
Product Description : 2.13mm Diameter MLX
Power Crimp Housing Plug, Nylon 6/6, 94V-2,
1 Circuit, Natural
Series Number : 42021
Status : Active
Product Category : Connector Housings
Engineering Number : 42021-1A



Documents & Resources

Drawings

[Drawing 050841010_sd.pdf](#)
[Packaging Design Drawing PK-42021-XX-001.pdf](#)

3D Models and Design Files

[3D Model 050841010_stp.zip](#)

Specifications

[Product Specification PS-42022-0001-001.pdf](#)
[Test Summary TS-42022-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Connector Housings
Series	42021
Description	2.13mm Diameter MLX Power Crimp Housing Plug, Nylon 6/6, 94V-2, 1 Circuit, Natural
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366430001; Flammability Rating: 94V-2; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800754385299

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.5A, 20.0A
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Physical

Circuits Detail	1
Circuits (maximum)	1
Color - Resin	Natural

Flammability	94V-2
Gender	Plug
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.801/g
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	N/A
Pitch - Termination Interface	N/A
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-55° to +105°C

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
6.35mm Pitch MLX Vertical Power Connector Headers	<u>42002</u>
2.13mm Diameter MLX Pin and Socket Receptacles	<u>42022</u>
MLX Vertical Power Connector Headers	<u>43255</u>

Use with Part(s)

Description	Part Number
Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/797582029.html</u>
Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/797582030.html</u>

Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582031.html
Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582032.html
MLX Crimp Terminals	36663
MLX Female Terminals	36664
MLX Male Crimp Terminals	42023
MLX Female Crimp Terminals	42024

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