



Part Number : [50841020](#)

Series Number : [42021](#)

Product Category : [Connector Housings](#)

Product Description : [2.13mm Diameter MLX Power Crimp Housing Plug, 2 Circuits, Natural](#)

Status : [Active](#)

Engineering Number : [42021-2A](#)

Documents & Resources

Drawings
[Drawing 050841020_sd.pdf](#)
[Packaging Design Drawing PK-42021-XX-001.pdf](#)

3D Models and Design Files
[3D Model 050841020_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(2024)4144-DC (27 June 2024)
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

Part Details

General

Status	Active
Category	Connector Housings
Series	42021
Description	2.13mm Diameter MLX Power Crimp Housing Plug, 2 Circuits, Natural
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366430002; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800753577503

Agency

CSA	LR19980
UL	E29179

Physical

Circuits Detail	2
Circuits (maximum)	2
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	1.960/g
Number of Rows	1
Packaging Type	Bag

Panel Mount	No
Pitch - Mating Interface	6.35mm
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-pdf.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-pdf.html/797582030.html</u>
Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582031.html</u>
Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582032.html</u>
MLX Crimp Terminals	<u>36663</u>
MLX Female Terminals	<u>36664</u>
MLX Male Crimp Terminals	<u>42023</u>
MLX Female Crimp Terminals	<u>42024</u>

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