



Part Number : [50842062](#)

Series Number : [42022](#)

Product Category : [Connector Housings](#)

Product Description : [2.13mm Diameter MLX Pin and Socket Receptacle, 6 Circuits, Natural](#)

Status : [Active](#)

Engineering Number : [42022-6C](#)

Documents & Resources


Drawings
[Drawing 050842062_sd.pdf](#)
[Packaging Design Drawing PK-42022-XX-001.pdf](#)

3D Models and Design Files
[3D Model 050842062_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	Contains Melamine 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	42022
Description	2.13mm Diameter MLX Pin and Socket Receptacle, 6 Circuits, Natural
Application	Power, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366440005; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800754386685

Agency

CSA	LR19980
UL	E29179

Physical

Circuits Detail	6
Circuits (maximum)	6
Color - Resin	Natural
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	5.080/g
Number of Rows	2
Packaging Type	Carton

Panel Mount	Yes
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
2.13mm Diameter MLX Power Crimp Housing Plugs	<u>42021</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	/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582029.html
Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582030.html
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-pdf.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-pdf.html/797582032.html
MLX Male Crimp Terminals	<u>42023</u>
MLX Female Crimp Terminals	<u>42024</u>