molex

Part Number : <u>50842032</u>

Series Number : 42022
Product Category : Connector Housings

Product Description : 2.13mm Diameter MLX Pin and Socket Receptacle, 3 Circuits, Natural
Status : Active
Engineering Number : 42022-3C

Documents & Resources

Drawings
Drawing <u>050842032_sd.pdf</u>
Packaging Design Drawing <u>PK-42022-XX-001.pdf</u>

3D Models and Design Files
3D Model <u>050842032_stp.zip</u>

Specifications
Product Specification <u>PS-42022-0001-001.pdf</u>
Test Summary <u>TS-42022-0001-001.pdf</u>

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(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

<u>Multiple Part Product Compliance Statements</u>
- Eu RoHS
- REACH SVHC
- Low-Halogen

<u>Multiple Part Industry Compliance Documents</u>
- 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	42022
Description	2.13mm Diameter MLX Pin and Socket Receptacle, 3 Circuits, Natural
Application	Power, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366440003; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800754386470

Agency

CSA	LR19980
UL	E29179

Physical

Circuits Detail	3
Circuits (maximum)	3
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	3.230/g
Number of Rows	1
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

Mates With / Use With

Mates with Part(s)

Description	Part Number
2.13mm Diameter MLX Power Crimp Housing Plugs	42021

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.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.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.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 Male Crimp Terminals	42023
MLX Female Crimp Terminals	42024