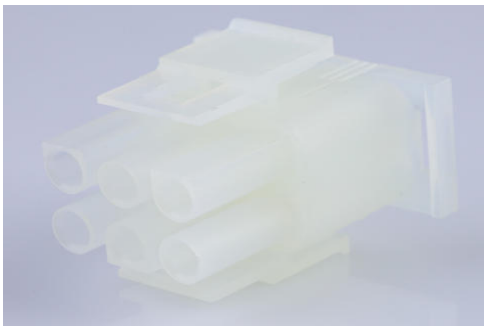
molex



Part Number : 50841065
Product Description : 2.13mm Diameter MLX Power Crimp Housing Plug, 6 Circuits, Natural
Series Number : 42021
Status : Active
Product Category : Connector Housings
Engineering Number : 42021-6C

Documents & Resources

Drawings

050841065_sd.pdf

PK-42021-XX-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-42022-0001-001.pdf

TS-42022-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Melamine per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS

- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Connector Housings
Series	42021
Description	2.13mm Diameter MLX Power Crimp Housing Plug, 6 Circuits, Natural
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366430005; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Name	MLX
UPC	800754385886

Agency

CSA	LR19980
UL	E29179

Physical

Circuits Detail	6
Circuits (maximum)	6
Color - Resin	Natural

Flammability	94V-0
Gender	Plug
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	4.000/g
Number of Rows	2
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

Mates With / Use With

Mates with Part(s)

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

Use with Part(s)

Description	Part Number
Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	797582029
Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating,	797582030

300.00mm Length, 18 AWG, Black	
Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black	797582031
Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	797582032
MLX Crimp Terminals	36663
MLX Female Terminals	36664
MLX Male Crimp Terminals	42023
MLX Female Crimp Terminals	42024