# molex

Part Number: 50841120

Product Description: 2.13mm Diameter MLX Power Crimp Housing Plug, 12 Circuits,

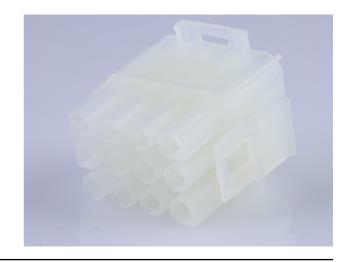
Natural

Series Number: 42021

**Status:** Active

**Product Category:** Connector Housings

**Engineering Number: 42021-12A** 



#### **Documents & Resources**

#### **Drawings**

<u>050841120\_sd.pdf</u> PK-42021-XX-001.pdf

#### 3D Models and Design Files

050841120\_stp.zip

#### **Specifications**

PS-42022-0001-001.pdf TS-42022-0001-001.pdf

# **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Not Relevant
China RoHS	<b>@</b>
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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, 12 Circuits, Natural
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	Glow Wire Equivalent Part Number 366430007; Maximum current per contact 20A if used with 36663 and 36664 terminal
Product Name	MLX
UPC	800753683877

#### Agency

CSA	LR19980
UL	E29179

## **Physical**

Circuits Detail	12
Circuits (maximum)	12
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	6.680/g
Number of Rows	4
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	42002
2.13mm Diameter MLX Pin and Socket Receptacles	42022
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	797582029
Pre-Crimped Lead MLX Male-to- MLX Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black	797582030
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	<u>36664</u>
MLX Male Crimp Terminals	42023
MLX Female Crimp Terminals	42024

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