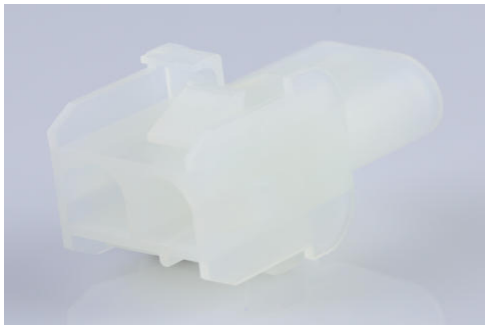




**Part Number :** [50842020](#)  
**Product Description :** 2.13mm Diameter MLX Pin and Socket Receptacle, 2 Circuits, Natural  
**Series Number :** 42022  
**Status :** Active  
**Product Category :** Connector Housings  
**Engineering Number :** 42022-2A



## Documents & Resources

### Drawings

[050842020 sd.pdf](#)  
[PK-42022-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         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                               |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(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

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## Part Details

### General

|              |                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                            |
| Category     | Connector Housings                                                                                                |
| Series       | 42022                                                                                                             |
| Description  | 2.13mm Diameter MLX Pin and Socket Receptacle, 2 Circuits, Natural                                                |
| Application  | Power, Wire-to-Wire                                                                                               |
| Comments     | Glow Wire Equivalent Part Number 366440002; Maximum current per contact 20A if used with 36663 and 36664 terminal |
| Product Name | MLX                                                                                                               |
| UPC          | 800753577404                                                                                                      |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

### Physical

|                    |         |
|--------------------|---------|
| Circuits Detail    | 2       |
| Circuits (maximum) | 2       |
| Color - Resin      | Natural |

|                               |                |
|-------------------------------|----------------|
| Flammability                  | 94V-2          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Keying to Mating Part         | None           |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 2.280/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 |
|------------------------------|-----|

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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     | <u>797582029</u> |
| Pre-Crimped Lead MLX Male-to-MLX Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Black     | <u>797582030</u> |
| Pre-Crimped Lead MLX Female-to-MLX Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Black | <u>797582031</u> |
|                                                                                             |                  |

|                                                                                                    |                  |
|----------------------------------------------------------------------------------------------------|------------------|
| Pre-Crimped Lead MLX Female-to-<br>MLX Female, Tin (Sn) Plating,<br>300.00mm Length, 18 AWG, Black | <u>797582032</u> |
| MLX Male Crimp Terminals                                                                           | <u>42023</u>     |
| MLX Female Crimp Terminals                                                                         | <u>42024</u>     |