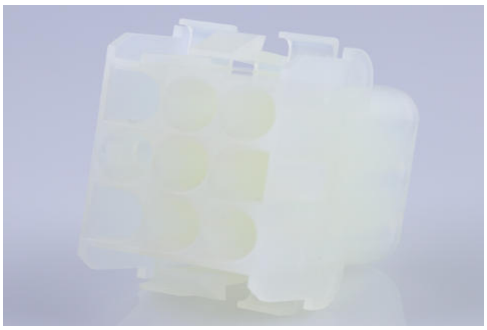
molex



**Part Number :** 50842092
**Product Description :** 2.13mm Diameter MLX Pin and Socket Receptacle, 9 Circuits, Natural
**Series Number :** 42022
**Status :** Active
**Product Category :** Connector Housings
**Engineering Number :** 42022-9C

## Documents & Resources

### Drawings

050842092_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 | 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 42022 |
| Description | 2.13mm Diameter MLX Pin and Socket Receptacle, 9 Circuits, Natural |
| Application | Power, Wire-to-Wire |
| Comments | Glow Wire Equivalent Part Number 366440006; Maximum current per contact 20A if used with 36663 and 36664 terminal |
| Product Name | MLX |
| UPC | 800754386821 |

### Agency

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

### Physical

| | |
|---|---|
| Circuits Detail | 9 |
| Circuits (maximum) | 9 |
| 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 | 6.944/g |
| Number of Rows | 3 |
| 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 | 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 | 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 Male Crimp Terminals | 42023 |
| MLX Female Crimp Terminals | 42024 |