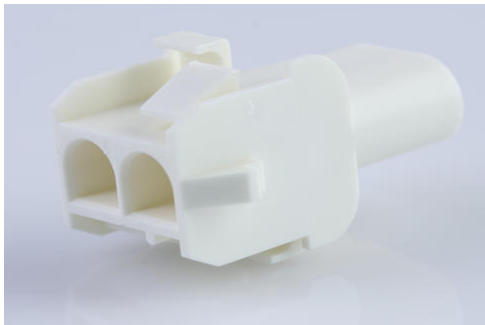




**Part Number :** [366440002](#)  
**Product Description :** 2.13mm Diameter MLX Pin and Socket Receptacle, 2 Circuit, PA Polyamide Nylon 6/6 94V-2, Glow-Wire Capable  
**Series Number :** 36644  
**Status :** Active  
**Product Category :** Connector Housings



## Documents and Resources

### Drawings

[366440002 sd.pdf](#)  
[PK-42022-XX-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### Specifications

[PS-36644-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                      |
| REACH SVHC         | Contains 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] per D(2025)7771-DC (04 Feb 2026)                  |
| 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      | 36644                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description | 2.13mm Diameter MLX Pin and Socket Receptacle, 2 Circuit, PA Polyamide Nylon 6/6 94V-2, Glow-Wire Capable                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Application | Power, Wire-to-Wire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Comments    | This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must |

|              |                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. |
| Product Name | MLX                                                                                                                                                                                                                                                                                                                                                                                                      |
| UPC          | 800756935157                                                                                                                                                                                                                                                                                                                                                                                             |

## Agency

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

## Physical

|                               |            |
|-------------------------------|------------|
| Circuits (maximum)            | 2          |
| Color - Resin                 | Natural    |
| Flammability                  | 94V-2      |
| Gender                        | Receptacle |
| Glow-Wire Capable             | Yes        |
| Keying to Mating Part         | No         |
| Lock to Mating Part           | Yes        |
| Material - Resin              | Nylon      |
| Net Weight                    | 2.530/g    |
| Number of Rows                | 1          |
| Packaging Type                | Bag        |
| Panel Mount                   | No         |
| Pitch - Mating Interface      | 6.35mm     |
| Pitch - Termination Interface | 6.35mm     |
| Polarized to Mating Part      | Yes        |
| Stackable                     | No         |

|                               |                |
|-------------------------------|----------------|
| Temperature Range - Operating | -55° to +105°C |
|-------------------------------|----------------|

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## Mates With / Use With

### Mates with Part(s)

| Description                                   | Part Number  |
|-----------------------------------------------|--------------|
| MLX Plug Housings                             | <u>36643</u> |
| 2.13mm Diameter MLX Power Crimp Housing Plugs | <u>42021</u> |

### Use with Part(s)

| Description                | Part Number  |
|----------------------------|--------------|
| MLX Male Crimp Terminals   | <u>42023</u> |
| MLX Female Crimp Terminals | <u>42024</u> |

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