



**Part Number :** [1050171001](#)  
**Product Description :** Micro-USB B Receptacle,  
Bottom Mount, Surface Mount, Lead-Free, 0.60mm  
Tabs  
**Series Number :** 105017  
**Status :** Active  
**Product Category :** I/O Connectors



## Documents & Resources

### Drawings

[1050171001\\_sd.pdf](#)  
[PK-105017-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-105017-001-001.pdf](#)  
[473460001TS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 33; 44;<br>34                                                                       |
| 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

---

## Part Details

### General

|                |                                                                             |
|----------------|-----------------------------------------------------------------------------|
| Status         | Active                                                                      |
| Category       | I/O Connectors                                                              |
| Series         | 105017                                                                      |
| Description    | Micro-USB B Receptacle, Bottom Mount, Surface Mount, Lead-Free, 0.60mm Tabs |
| Application    | Wire-to-Board                                                               |
| Comments       | Signal contacts 1.0A, Power contacts 1.8A                                   |
| Component Type | Receptacle                                                                  |
| Product Name   | USB                                                                         |
| Standard       | USB 2.0                                                                     |
| Type           | Micro-B                                                                     |
| UPC            | 884982346024                                                                |

### Agency

|    |         |
|----|---------|
| UL | E107635 |
|----|---------|

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 1.8A, 1.0A |
|-------------------------------|------------|

|                    |              |
|--------------------|--------------|
| Grounding to Panel | Yes          |
| Shielded           | Yes          |
| Shield Type        | Full Shield  |
| Voltage - Maximum  | 30V AC (RMS) |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 5                              |
| Circuits (maximum)             | 5                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 10000                          |
| Flammability                   | 94V-0                          |
| Gender                         | Female                         |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | No                             |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Gold                           |
| Material - Resin               | High Temperature Thermoplastic |
| Mounting Style                 | Bottom-Mount                   |
| Net Weight                     | 0.237/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | No                             |
| PCB Retention                  | None                           |
| Pitch - Mating Interface       | 0.65mm                         |
| Pitch - Termination Interface  | 0.65mm                         |
| Polarized to Mating Part       | Yes                            |
| Ports                          | 1                              |
| Temperature Range - Operating  | -30° to +85°C                  |
| Termination Interface Style    | Surface Mount                  |
| Waterproof / Dustproof         | No                             |

## Solder Process Data

|              |   |
|--------------|---|
| Max-Duration | 3 |
|--------------|---|

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
| Max-Cycle                    | 2   |
| Max-Temp                     | 255 |

---

This document was generated on Sep 14, 2025