

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1051640001](#)  
**Status:** **Active**  
**Overview:** [USB Products and Solutions](#)  
**Description:** Micro-USB B Receptacle without Flange, Top Mount, Surface Mount, Lead-Free

**Documents:**

[3D Model](#) [3D Model \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E107635

**General**

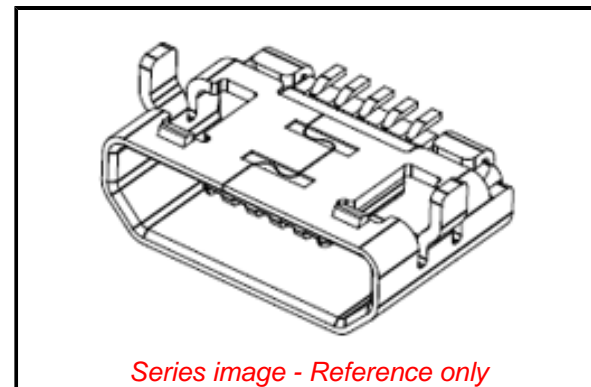
Product Family I/O Connectors  
 Series [105164](#)  
 Application Wire-to-Board  
 Comments Signal contacts 1.0A, Power contacts 1.8A  
 Component Type Receptacle  
 Electrical Model Yes  
 Overview [USB Products and Solutions](#)  
 Product Name USB 2.0  
 Type Micro-B  
 UPC 884982383401

**Physical**

Boot Color N/A  
 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  
 Net Weight 0.234/g  
 Number of Rows 1  
 Orientation Right Angle  
 PCB Retention None  
 Packaging Type Embossed Tape on Reel  
 Panel Mount No  
 Pitch - Mating Interface 0.65mm  
 Pitch - Termination Interface 0.65mm  
 Polarized to Mating Part Yes  
 Ports 1  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -30° to +85°C  
 Termination Interface: Style Surface Mount  
 Waterproof / Dustproof No

**Electrical**

Current - Maximum per Contact 1.8A, 1.0A  
 Grounding to Panel Yes  
 Shield Type Full Shield



**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2020)4578-DC (25  
 June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[105164 Series](#)

|                   |              |
|-------------------|--------------|
| Shielded          | Yes          |
| Voltage - Maximum | 30V AC (RMS) |

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| Lead-free Process Capability                   | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

This document was generated on 07/27/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**