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**Part Number:** [1050170001](#)  
**Status:** **Active**  
**Overview:** Consumer USB Products  
**Description:** Micro-USB B Receptacle, Bottom Mount, Surface Mount, with Solder Tabs, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-105017-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E107635

**General**

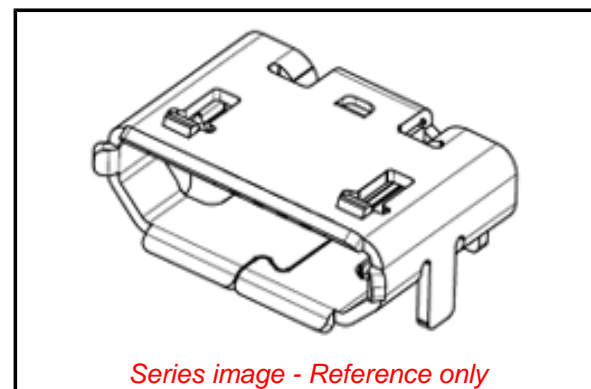
Product Family I/O Connectors  
Series [105017](#)  
Application Wire-to-Board  
Comments Signal contacts 1.0A, Power contacts 1.8A  
Component Type Receptacle  
Overview [Consumer USB Products](#)  
Product Name Micro-USB  
Type B  
UPC 822350969109

**Physical**

Boot Color N/A  
Circuits (Loaded) 5  
Circuits (maximum) 5  
Color - Resin Black  
Durability (mating cycles max) 10,000  
Flammability 94V-0  
Gender Receptacle  
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 0.233/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°C 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  
Shielded Yes



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(15.  
June 2015): No

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[105017 Series](#)

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**

**Reference - Drawing Numbers**

Product Specification PS-105017-001

Sales Drawing SD-105017-001

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