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

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-105164-001 \(PDF\)](#)  
[Product Specification PS-47642-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E107635

**General**

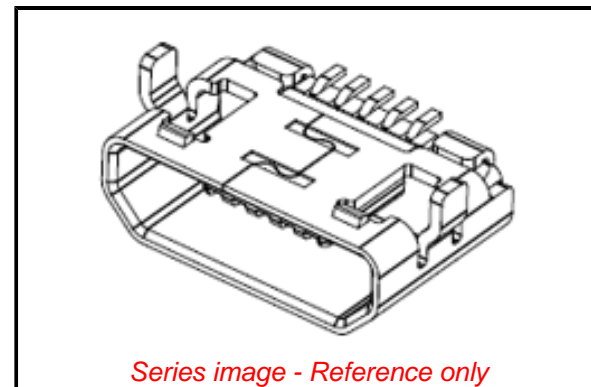
Product Family I/O Connectors  
 Series [105164](#)  
 Application Wire-to-Board  
 Comments Signal contacts 1.0A, Power contacts 1.8A  
 Component Type Receptacle  
 Electrical Model Yes  
 Overview [USB Products and Solutions](#)  
 Product Name USB 2.0  
 Type Micro-B  
 UPC 884982383401

**Physical**

Boot Color N/A  
 Circuits (Loaded) 5  
 Circuits (maximum) 5  
 Color - Resin Black  
 Durability (mating cycles max) 10000  
 Flammability 94V-0  
 Gender 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 0.234/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°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



**EU ELV**

**Not Reviewed**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**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	Green Image
ELV	Not Reviewed
RoHS Phthalates	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****Reference - Drawing Numbers**

Electrical Model Document	EE-105164-001, REE-105164-001
Packaging Specification	PK-105164-001
Product Specification	PS-47642-001-001
S-Parameter Model	SP-105164-001
Sales Drawing	SD-105164-001

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