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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:**

|                                |   |
|--------------------------------|---|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-47642-001-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-105164-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

UL E107635

**General**

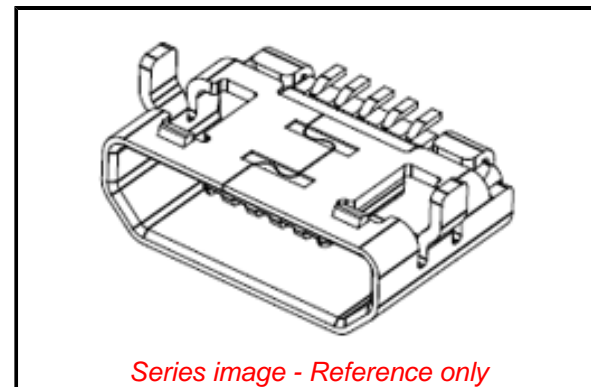
|                  |  |
|------------------|--|
| Product Family   | I/O Connectors                             |
| Series           | 105164                                     |
| Application      | Wire-to-Board                              |
| Comments         | Signal contacts 1.0A, Power contacts 1.8A  |
| Component Type   | Receptacle                                 |
| Electrical Model | Yes  |
| Overview         | <a href="#">USB Products and Solutions</a> |
| Product Name     | USB  |
| Standard         | USB 2.0                                    |
| Type             | Micro-B                                    |
| UPC              | 884982383401                               |

**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                 | Top-Mount                      |
| 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



**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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](#)

|                    |              |
|--------------------|--------------|
| Grounding to Panel | Yes          |
| Shield Type        | Full Shield  |
| 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-105164-001-001 |
| Packaging Specification   | PK-105164-001-001 |
| Product Specification     | PS-47642-001-001  |
| S-Parameter Model         | SP-105164-001-001 |
| Sales Drawing             | SD-105164-001-001 |

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