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Part Number: [47642-0001](#)
Status: **Active**
Overview: Consumer USB Products
Description: Micro-USB B Receptacle, Mid-Mount, with Through Hole Solder Tab, Gold (Au) Flash Plating, without Mylar, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-47642-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|---------------------------------------|
| Product Family | I/O Connectors |
| Series | 47642 |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Overview | Consumer USB Products |
| Product Name | Micro-USB |
| Type | B |
| UPC | 883906099435 |

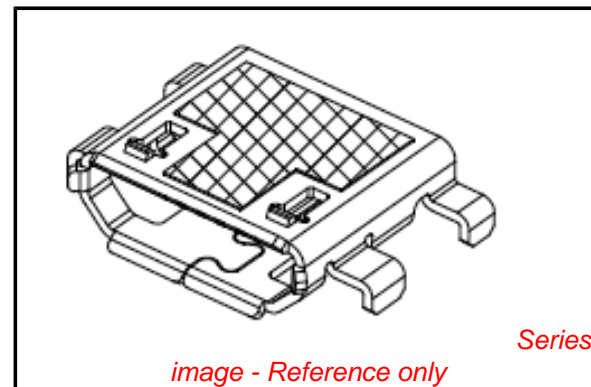
Physical

| | |
|--------------------------------|--------------------------------|
| Boot Color | N/A |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Durability (mating cycles max) | 10,000 |
| 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 | 0.273/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) | No |
| Temperature Range - Operating | -30°C to +85°C |
| Termination Interface: Style | Through Hole |
| Waterproof / Dustproof | No |

Electrical

| | |
|-------------------------------|--------------|
| Current - Maximum per Contact | 1.8A, 1A |
| Grounding to Panel | Yes |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 30V AC (RMS) |

Solder Process Data



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Low-Halogen Status
Low-Halogen**

China RoHS



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

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[47642Series](#)

| | |
|--|---------------------------|
| Duration at Max. Process Temperature (seconds) | 2 |
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 255 |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|----------------------------|
| Electrical Model Document | EE-47642-001, EE-47642-002 |
| Product Specification | PS-47642-001 |
| Sales Drawing | SD-47642-001 |

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