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**Part Number:** [47590-0001](#)  
**Status:** **Active**  
**Overview:** [Consumer USB Products](#)  
**Description:** Micro-USB AB Receptacle, Right Angle, Top Mount, Surface Mount, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-47589-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E107635

**General**

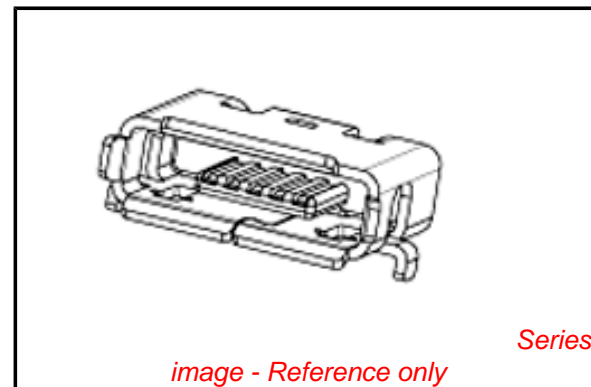
Product Family I/O Connectors  
 Series [47590](#)  
 Application Wire-to-Board  
 Component Type Receptacle  
 Electrical Model Yes  
 Overview [Consumer USB Products](#)  
 Product Name Micro-USB  
 Type AB  
 UPC 800756710150

**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 0.265/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, 1A  
 Grounding to Panel Yes  
 Shield Type Full Shield



**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](mailto: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**

47590Series

Shielded	Yes
Voltage - Maximum	30V AC (RMS)

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

### **Material Info**

### **Reference - Drawing Numbers**

Electrical Model Document	EE-47590-001
Product Specification	PS-47589-001
S-Parameter Model	SP-47590-001
Sales Drawing	SD-47590-001

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