



Part Number : [475901001](#)

Product Description : Micro-USB AB Receptacle, Right-Angle, Top Mount, Surface Mount, Lead-Free

Series Number : 47590

Status : Active

Product Category : I/O Connectors

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## Documents & Resources

### Drawings

[Drawing 475901001\\_sd.pdf](#)

[Packaging Design Drawing PK-47589-001-001.pdf](#)

### 3D Models and Design Files

[3D Model 475901001\\_stp.zip](#)

[Electrical Model Document EE-47590-001-001.pdf](#)

[S-Parameter Model SP-47590-001-001.zip](#)


### Specifications

[Product Specification PS-47589-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	I/O Connectors
Series	47590
Description	Micro-USB AB Receptacle, Right-Angle, Top Mount, Surface Mount, Lead-Free
Application	Wire-to-Board
Comments	Signal contacts 1.0A, Power contacts 1.8A
Component Type	Receptacle
Product Family	USB Connectors: USB Type-A, USB Type-B, and USB Type-C Plugs and Receptacles
Product Name	USB
Standard	USB 2.0
Type	Micro-AB
UPC	884982783737

### Agency

UL	E107635
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### Electrical

Current - Maximum per Contact	1.8A, 1.0A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V AC (RMS)

### Physical

Circuits (Loaded)	5
Circuits (maximum)	5

Color - Resin	Gray
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	0.263/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Retention	None
Pitch - Mating Interface	0.65mm
Pitch - Termination Interface	0.65mm
Polarized to Mating Part	Yes
Ports	1
Temperature Range - Operating	-30° to +85°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

### Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	245