Designed to comply with physical, electrical and environmental requirements of Micro USB Standard (USB2.0).

### PCB Mount Orientation

- **Pin 1**
- **Pin 5**

### Recommended PCB Layout

**Solder Area □ Component Outline**

### Ordering Grid

**USB3100**

**Contact Plating** 30 = 30µ" Gold

**Packing Options**

- A = Tape & Reel
  - (1.5K per Reel)

### Specifications

**Material**
- Plastic Housing: LCP, UL94V-0, Black
- Contact Terminal: Copper Alloy
- Metallic Shell: Stainless Steel
  - SUS 304, T = 0.25mm

**Plating**
- Underplating: 50µ" Nickel
- Finish: Contact Area = 30µ" Gold plating
- Solder Tails: Gold Flash
- Metallic Shell: Matte Tin

**Electrical**
- Voltage Rating: 100 V AC
- Current Rating:
  - Signal (Pins 2, 3, 4): 1.0A.
  - Power (Pins 1, 5): 1.8A.
- Operating Temperature: -30°C to +85°C
- Contact Resistance: 30mΩ max.
- Insulating Resistance: 1000MΩ min.
- Dielectric Withstand Voltage: 500V AC/Minute

**Mechanical & Environmental**
- Mating Force: 35N max.
- Unmating Force: 10N min.
- Durability: 10,000 Cycles

**Not to Scale**

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**Drawn By**: ASE

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**Part Number**

USB3100

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**Product Description**

Micro USB Receptacle, Type B, Surface Mount, Horizontal, Top (Reverse) Mount, without Peg
End of reel approximately 15 pcs empty carrier

Start of reel approximately 15 pcs empty carrier

120°

I/O Direction

Cover Tape

Carrier Tape

Peel off Angle

ø330

Reel

Protection Tape

Waterproof bag

Detail F

I/O Direction

Cover Tape

Carrier Tape

ø25

Detail F

500 mm min.

Cover Tape

Carrier Tape

Carton

Waterproof bag

Detail F

I/O Direction

Carton

Label

Protection Tape

Detail F

 ø19.5

 ø13.5

 Ø23

I/O Direction

ø330

Reel

Protection Tape

Label

Detail F

1500 pcs/reel

1500 件/卷

4 Reels

700x600x0.05

200mm min.

Notes:
1. Peeling off force of top tape: 0.1-1.3N
2. Part Conforms to EIA-481-C Standards
3. All dimensions in millimeters
4. 10 sprocket hole pitch cumulative tolerance ±0.2mm

Product Description

USB3100 Micro USB Receptacle, Type B, Surface Mount, Horizontal, Top (Reverse) Mount, without Peg

Packaging

Revisions

By AJO

Detail Revisions

1st June 2012

Drawing Date

23/03/15

Not to Scale

Drawn By ASE

Sheet No. 2/2

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Scale

Units:

1. Metric (mm)

Tolerances (Except as Noted)

X.X ± 0.5

X.XX ± 0.3

X.XXX ± 0.2