



**Notes:**

1. Electrical Specifications:
  - Meets USB 2.0 Specification
  - Contact Resistance: 30 mOhm max.
  - Insulation Resistance: 1000 MOhm min. @ 100 VDC
  - Current Rating: 1.5 A max. at 25°C
  - Working Voltage: 30 V (RMS) max.
  - DWV: 500 VAC/60s at sea level
  - Operating Temperature: -40°C to +85°C

2. Material and Finish:

- Ⓐ Receptacle Housing, Zinc Die-Cast, Nickel Plated
  - Metal Cover, Panel Nut: Brass, Nickel Plated
  - Ball Chain: Copper Alloy, Nickel Plated
  - Panel Gasket, Silicon, Color: White
- Ⓒ Cover Gasket: Silicon, Color: White
  - USB Adaptor Insulator: PBT, UL94 V-0, Black
  - USB Adaptor Metal Shell: Copper Alloy, Nickel Plated
  - USB Adaptor Overmold: PBT UL94 V-0, Black
  - USB Contacts: Copper Alloy, Finish: 30 u" Gold min. over Nickel

3. Connector can be front or rear mounted to a maximum panel thickness of 3.2 mm.

4. IP67 rated when fully mated with appropriate mating connector

**Pin-Assignment**

| Type A F    | Type A F |
|-------------|----------|
| Pin1 -----  | Pin1     |
| Pin2 -----  | Pin2     |
| Pin3 -----  | Pin3     |
| Pin4 -----  | Pin4     |
| Shell ----- | Shell    |

Directive 2002/95/EC RoHS Compliant

Recommended Panel Cutout Ⓑ

|  |           |             |               |   |             |            |                                 |             |
|--|-----------|-------------|---------------|---|-------------|------------|---------------------------------|-------------|
| THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC CORPORATION. | Customer: |             |               | Tolerance<br>Unless otherwise specified |             |            | Scale: 1:2:1                    | Dim. in mm  |
|  | Name      | Title       | Approval Date | 0 PLC ±0.50                             | 1 PLC ±0.38 |            | 2 PLC ±0.25                     | 3 PLC ±0.10 |
| Rev.   | Changes   | Date        | Name          | 2009                                    | Date        | Name       | Material: See Notes             |             |
| e  | 1 x e     | May/22/2013 | Vincent ke    | Draw.                                   | Jun. 05     | Vincent Ke | IP67 USB Receptacle + Cover Kit |             |
| d  | 1 x d     | Jan/12/2012 | Vincent Ke    | Appd.                                   | Jun. 05     | J. Chaudry | with USB 2.0 Type A F/F Adaptor |             |
| c  | 1 x c     | Jul/12/2011 | Vincent ke    | Norm                                    |             |            | Metal Version                   |             |
| b  | 2 x b     | Mar/08/2011 | Vincent ke    | D-old                                   |             |            | Drawing No.: 17K1A250           |             |
| a  | original  |             |               |   |             |            | Part No.: 17-200431             |             |
|  |           |             |               |   |             |            | DIN A3                          | Sheet 1/1   |