



**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:

- Coupling Ring and Plug Housing: Polyester (Black), UL94 V-0 or Metallized ABS (Nickel Plated), UL94 V-0
- Interfacial Seal: Silicon, Color: White
- Cable Fitting: PA (Black), UL94 V-0
- Cable Fitting Rubber Ring: NBR, Color: Black
- USB Metal Shell: SPCC, Nickel Plated
- USB Insulator: PBT, UL94 V-0, White
- USB Contacts: Copper Alloy,
- USB Contact Finish: 30 u" Gold min. over Nickel for mating area, Tin over Nickel for solder cup

③ 3. USB Type A Plug accepts AWG28 to AWG24 wires, Cable OD of 4.0 mm to 5.5 mm

4. IP67 rated when fully mated with the appropriate mating connector

RoHS Compliant

	Description	Part Number
①	Plastic Version with Interfacial Seal	17-200151
②	Plastic Version without Interfacial Seal	17-220001
③	Metallized Plastic Version with Interfacial Seal	17-200731
④	Metallized Plastic Version without Interfacial Seal	17-220011

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	Name	Title	Approval Date	0 PLC ±0.50	1 PLC ±0.38		Autodesk Inventor	Material: See Notes	
	h 1 x h	Apr/21/2017	Vincent Ke	2008	Date	Name		Title: IP67 USB	
	g 1 x g	Feb/23/2017	Vincent Ke	Draw.	Sept. 09	Vincent Ke	USB Cable Strain Relief Assembly Kit		
f 2 x f	Jun/23/2014	Vincent Ke	Appd.	Sept. 09	J. Chaudry	with Solder Cup USB 2.0 Type A plug			
e 1 x e	Jul/24/2012	Vincent Ke	Norm			Drawing No.: 17K1A009			
d 1 x d	Mar/18/2010	Vincent Ke	D-old			Part No.: SEE PART NUMBER TABLE			
c	Nov/26/2009	Vincent Ke				DIN A3			
a	original					Sheet 1/1			
Rev.	Changes	Date	Name						