



**Notes:**

1. Electrical Specifications:
  - Meets USB 3.0 specifications
  - Low level Contact Resistance:
    - 30 mOhm max for VBUS and GND Contacts
    - 50 mOhm max for all other contacts
  - Insulation Resistance 1000 MOhm min.
  - Current Rating: 2A max. @ 25°C
  - DWV: 500V AC/60s Pin to Pin; 1000V AC/60s Pin to shell
  - 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 Gland: PA (Black) or Brass, Nickel Plated
  - Cable Gland Seal: NBR, Color: Black
  - Cable Gland Insert (Metal Version): Nylon, Color: White
  - USB Metal Shell: SPCC, Nickel Plated
  - USB Insulator: PBT, UL94 V-0, Blue
  - USB Contacts: Copper Alloy,
  - USB Contact Finish: 30 u" Gold min. over Nickel for mating area, Tin over Nickel for solder cup

3. USB Type A Plug accepts AWG34 to AWG20 wires, Cable OD of 4.0 mm to 6.0 mm
4. IP67 & IP68 rated when fully mated with the appropriate mating connector

RoHS Compliant

Version	Part Number
Plastic Version	17-240071
Metallized Plastic Version	17-240081

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	Name	Title	Approval Date			Material: See Notes	
	2016	Date	Name			Title: IP67 & IP68 USB3.0	
	Draw.	Mar. 03	Vincent Ke			USB 3.0 Type A Plug Assembly Kit	
			Appd.	Mar. 03	Thomas Koch	Solder Cup Version	
			Norm			Drawing No.: 17K1A557	DIN A3
			D-old			Part No.: SEE PART NUMBER TABLE	Sheet 1/1
b	1 x b	Apr/21/2017	Vincent Ke				
a	original						
Rev.	Changes	Date	Name				

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