



NOTE:

1. MATERIAL SPECIFICATION:
  1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
  2. CONTACTS: COPPER ALLOY
  3. MID PLATE: STAINLESS STEEL
  4. FRONT SHELL: STAINLESS STEEL
2. PLATING SPECIFICATION:
  - 2-1. CONTACTS: Ni 50u" MIN. UNDER PLATED OVER ALL. Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
  - 2-2. FRONT SHELL: SEE TABLE 1.
  - 2-3. SHIELD PLATE & EMI PLATE: CLEAR ONLY
3. MECHANICAL PERFORMANCE:
  - 3-1. INSERTION FORCE: 0.5~2.0kgf.
  - 3-2. REMOVAL FORCE: 0.8kgf~2.0kgf.
  - 3-3. DURABILITY: 10000 CYCLES.
4. ELECTRICAL PERFORMANCE:
  - 4-1. CURRENT RATING: 3.0A VOLTAGE RATING: 5.0V
  - 4-2. LLCR: VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX. SHIELD: 50mΩ/MAX. LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3. INSULATION RESISTANCE: 100MΩ MIN
- 4-4. DIELECTRIC WITHSTAND VOLTAGE: AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
  - 5.1. OPERATING TEMPERATURE: -25°C~+85°C.
  - 5.2. IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

PCB LAYOUT (Recommend)  
(General Tolerance: ±0.05)

PIN ASSIGNMENTS

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2
PIN	SIGNAL NAME	PIN	SIGNAL NAME

UNLESS OTHERWISE SPECIFIED TOLERANCES		DONGDUAN DEALON ELECTRONICS CO., LTD	
DECIMALS:	ANGLES	TITLE:	TYPE-C 16Pin 板上型 (8次模顶带铜片)
X. ±0.20	X°. ±2°	Drwdw/JACK.LI	PART NO. USB-TYPE-C-017
X.X ±0.15	X.X° ±1°	Checked: PETER.LIU	SCALE: 1:8 UNIT: mm
X.XX ±0.10	X.XX° ±0.5°	Approved: JACK.D	SIZE: A4 SHEET: 1 of 1
X.XXX ±0.05			REV. A
CUSTOMER COPY			

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