



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

PIN ASSIGNMENTS

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

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 50μ" MIN. UNDER PLATED OVER ALL. Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - 2-2. FRONT SHELL: PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-3. SHIELD PLATE&EMI PLATE: SEE TABLE1. 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:
 6. IIR REFLOW: OPERATING TEMPERATURE: -25°C~+85°C. THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES

X.	±0.20	X°	±2°
X.X	±0.15	X.X°	±1°
X.XX	±0.10	X.XX°	±0.5°
X.XXX	±0.05		

DONGDUAN DEALON ELECTRONICS CO.,LTD

TITLE: TYPE-C 16Pin 板上型(3次模顶不带铜片)

Drawn: JACK.LI PART NO: USB-TYPE-C-018

Checked: PETER.LIU SCALE: 1:8 UNIT: mm

Approved: JACK.D SIZE: A4 SHEET: 1 OF 1

PROJ: REV. A

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