



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

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)
PLATING SPECIFICATIONS OF THE SOLDER AREA 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: 5000 CYCLES.

4. ELECTRICAL PERFORMANCE:

- 4-1. CURRENT RATING: 3.0A
- 4-1. VOLTAGE RATING: 5.0V
- 4-2. LCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LCR MAX. CHANGE OF ALL PINS: 10mΩ.

5. ENVIRONMENTAL PERFORMANCE:

- 4-3. INSULATION RESISTANCE: 100MΩ MIN
- 4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- 5. OPERATING TEMPERATURE: -25°C~+85°C.
- 6. I.R. REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

PIN ASSIGNMENTS

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

APPROVALS		DATE	TITLE:	
DRAWN	G.M.Chen	2015/7/17	USB-TYPE-C-025	
ELECTRONICS CO., LTD				

ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.	TOLERANCES ARE	30±0.15	±0.30	ANGLE	PART NO.	SCALE:	SHEET
	A		NEW				10±0.10	±0.20		UNIT: mm	USB-TYPE-C-025	1:1	1 OF 1
							5±0.10	±0.10	±2°	DRAWING NO.			PROJ.

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