


Recommended P.C.B Layout (THK:1.0mm)  
Top View (Tol:±0.05)

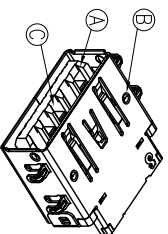
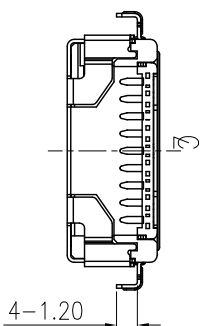
**SPECIFICATIONS:**

**1. ELECTRICAL CHARACTERISTICS:**

- 1-1. CURRENT RATING: 2.0A (PIN1,4) ; OTHER CONTACTS 0.25A
- 1-2. CONTACT RESISTANCE: 30mΩ Max.
- 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE
- 1-4. INSULATION RESISTANCE: 100MΩ Min.

**2. MECHANICAL CHARACTERISTICS:**

- 2-1. INSERTION FORCE : 3.5kgf Max. INITIAL.
- 2-2. WITHDRAWAL FORCE : 1.0kgf Min. INITIAL, 0.8kgf Min. FOR AFTER TEST.
- 3. DURABILITY: 5,000 CYCLES,
- 4. OTHER SPEC TO REFER USB 3.1 SPEC.
- 5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- 6. HALOGEN FREE PRODUCT IDENTIFICATION MARK : ◎
- 7. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: 
- 8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
- 9. PACKAGING : TAPE & REEL.



Pin Number	Signal ASSIGNMENT
PIN 1	VBUS
PIN 2	D-
PIN 3	D+
PIN 4	GND
PIN 5	SDA_SSRX-
PIN 6	SDA_SSRX+
PIN 7	GND_DRAIN
PIN 8	SDA_SSTX-
PIN 9	SDA_SSTX+

TOIN PLATING ON CONTACT AREA.  
40-80um Nickel, Sn PLATING ON SOLDERING AREA.  
ALL OVER 80um NICKEL PLATING.

C	9PIN TERMINAL	9	C5210-EH T=0.20mm
B	SHELL	1	SUS304 1/2H T=0.20mm
A	HOUSING	1	PA9T+45%GF UL94V-0
NO	DESCRIPTION	QTY	MATERIAL
UNLESS OTHERWISE SPECIFIED TOLERANCES			
 Singatron Enterprise Co., Ltd. 信營企業股份有限公司			
TITLE USB 3.0 REVERSE CONNECTOR			
DECIMALS:	ANGLES:	PART NO. 2UB3M04-072201F	
X : ±0.5	X : ±2°	DWN	LIRUI
X.X : ±0.3	X.X : ±1°	CHKD	ALLEN
X.XX : ±0.2		APVD	BOYE
SHEET: 1 OF 1 REV: A			

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REV	ECN NO	OR DESCRIPTION	REVISED	DATE
A	PDR NO. T230301-8A	LIRUI		2023.06.12