



RECOMMENDED P.C. BOARD LAYOUT
 PCB THICKNESS=1.60mm
 (TOP VIEW)(TOL.±0.05)

SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING: 1.8A (PIN1,4) ; OTHER CONTACTS 0.25A
 - CONTACT RESISTANCE: 40mΩ MAX.FOR VBUS AND PGND(B1 PIN&B4 PIN) 50mΩ MAX.(FOR OTHER PIN)
 - DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE
 - INSULATION RESISTANCE: 100MΩ/MIN
 - SHELL-1 SHOULD CONTACT WITH SHELL-2
- MECHANICAL CHARACTERISTICS:
 - INSERTION FORCE : 3.5 kgf MAX
 - WITHDRAWAL FORCE :
 - INITIAL : 1.0 kgf MIN, 3.5 kgf MAX
 - TEST AFTER : 0.8 kgf MIN, 3.5 kgf MAX
- DURABILITY: 5,000 MATING CYCLES.
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK:
- HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
- FOR WAVE SOLDERING LEAD-FREE PROCESS.
- DATE : YYMMDD
- PACKAGING : TAPE & REEL.

Pin Number	Signal ASSIGNMENT
PIN 1	VBUS
PIN 2	D-
PIN 3	D+
PIN 4	GND
PIN 5	SIDA_S5RX-
PIN 6	SIDA_S5RX+
PIN 7	GND_DRAIN
PIN 8	SIDA_S5TX-
PIN 9	SIDA_S5TX+

J	MYLAR	1	KAPTON	9.7mm±0.05mm/0.3mm
I	SHELL-2	1	STAINLESS STEEL	
H	SHELL-1	1	STAINLESS STEEL	NICKEL 80µm MIN
G	BOTTOM TERMINAL (4PIN)	4	COPPER ALLOY	
F	BOTTOM TERMINAL 5PIN	5	COPPER ALLOY	
E	TOP TERMINAL 4PIN	4	COPPER ALLOY	
D	TOP TERMINAL 5PIN	5	COPPER ALLOY	
C	BASE-2	1	THERMOPLASTIC UL94V-0	BLUE (300C)
B	BASE-1	1	THERMOPLASTIC UL94V-0	BLUE (300C)
A	HOUSING	1	THERMOPLASTIC UL94V-0	BLUE (300C)
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

Singatron Enterprise Co., Ltd.
 信登企業股份有限公司

TITLE: USB 3.0 CONNECTOR
 DWG: HAOLAN PART NO.2UB3902-014101F
 CHKD: ALEN SCALE 1:1 UNIT: mm
 APVD: BOYE SIZE: A3 SHEET: 1 OF 1 REV: B

DECIMALS: ANGLES:
 X :±0.50 X :±2°
 X.X :±0.30 X.X :±1°
 X.XX :±0.20

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