



STAND OFF  
 SPRING TIP AREA  
 PAD  
 RECOMMENDED TOLERANCE (TOP VIEW) ±0.05mm  
 P.C.B. LAYOUT

PIN NO.:	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND
5	SSRX-
6	SSRX+
7	GND_DRAIN
8	SSTX-
9	SSTX+

**SPECIFICATIONS:**

- 1. ELECTRICAL CHARACTERISTICS:**
- 1-1. CURRENT RATING: 1.8A (PIN1,4) ; OTHER CONTACTS 0.25A
  - 1-2. CONTACT RESISTANCE: 30mΩ (INITIAL)MAX.
  - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE
  - 1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC.
- 2. MECHANICAL CHARACTERISTICS:**
- 2-1. INSERTION FORCE : 35N MAX. INITIAL.
  - 2-2. WITHDRAWAL FORCE : 9.8N MIN INITIAL, 8N MIN, FOR AFTER TEST.
  - 3. LIFE TEST: 5000 CYCLES
  - 3-1. OPERATING TEMPERATURE: -55~+85°C
  - 4. OTHER GENERAL SPEC TO REFER "2UB2Y90 SERIES 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 IR REFLOW PROFILE, PEAK TEMPERATURE: 260°C MAX. 10SECS.
  - 9. PACKAGING : TAPE & REEL.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
E	SHELL	1	SUS304-1/4H	ALL OVER NICKEL 40u" MIN.
D	4P TERMINAL	4	C5191-EH	Au 30u"MIN. ON CONTACT AREA, NiATE 5u 100u"MIN. ON SOLDER TAIL, NICKEL 40u" MIN. UNDER PLATED
C	5P TERMINAL	5	C2681-EH	
B	BLOCK	1	PA-9T+30%/5F U194V-0	BLACK
A	HOUSING	1		

UNLESS OTHERWISE SPECIFIED TOLERANCES

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

TITLE	USB 3.0 CONNECTOR
DWN	19/03/18
CHKD	19/03/18
APVD	19/03/18

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	Cheney	19.03.14

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