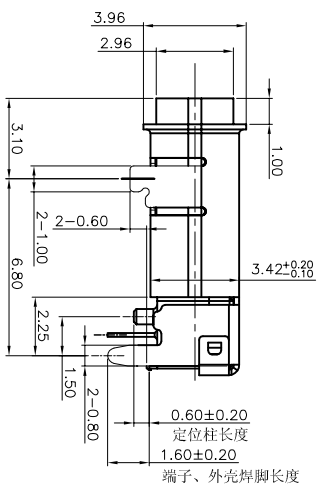
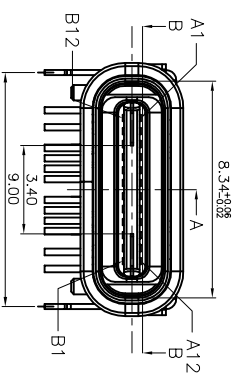
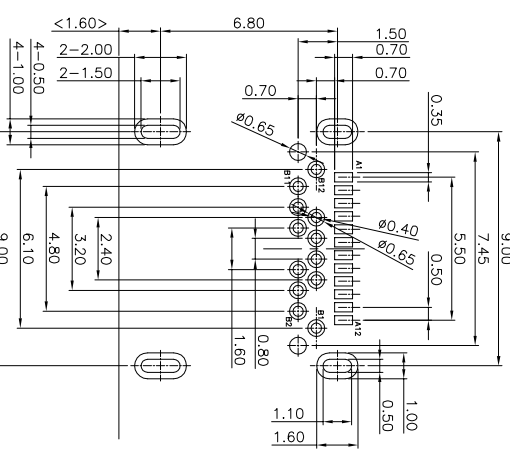
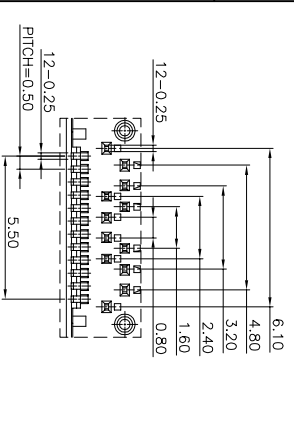
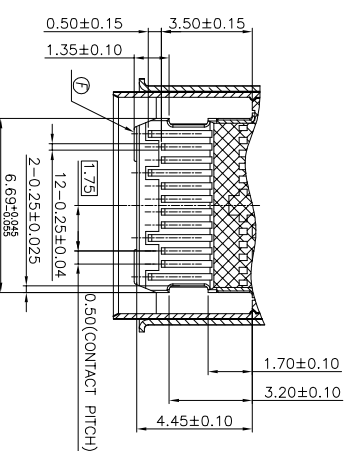


SECTION A-A



SECTION B-B



REV.	ECN NO. OR DESCRIPTION	REVISED DATE
A	PRODUCT RELEASE	Huang Yu 2020.05.18

- NOTE:
- MATERIAL:
    - INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
    - CONTACT: COPPER ALLOY(T=0.15mm)
    - SHELL: STAINLESS STEEL(T=0.20mm)
  - ELECTRICAL CHARACTERISTICS:
    - CONTACT RESISTANCE: 40mΩ Max FOR INITIAL, 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
    - CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN(PIN1,A4,A9,A12,B1,B4,B9,B12); 1.25A FOR VOSEM PIN; 0.25A FOR OTHER SIGNAL PIN.
    - DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
    - INSULATION RESISTANCE: 100MΩ Min
    - OPERATING TEMPERATURE: -40°C ~ 85°C
  - MECHANICAL CHARACTERISTICS:
    - MATING FORCE: 5~20 N.
    - UNMATED FORCE: 6~20N AFTER TEST
    - DURABILITY: 10,000 CYCLES
  - PLATING
    - TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50μ" Min NICKEL AND 80μ" Min Tin ALL OVER 50μ" Min NICKEL ON SOLDER AREA
    - OUT SHELL: 50μ" Min. NICKEL ALL OVER
    - INNER SHELL: DEGREASE
  - OTHER GENERAL SPEC. TO REFER "2UB2Y80-C00111F SPEC."
  - TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
  - HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT: (C)
  - HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: (C)
  - WATER PROOF: FOR IPX7
  - FOR REFLOW SOLDERING LEAD-FREE PROCESS, & THE O-RING CAN NOT GO THROUGH THE IR PROCESS WITH WATERPROOF CONNECTOR TOGETHER.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
A	HOUSING	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	BLACK
B	TERMINAL	24	COPPER ALLOY	GOLD FLASH ON CONTACT AREA WHITE FIN ON SOLDER AREA ALL OVER NICKEL PLATING
C	SHELL	1	STAINLESS STEEL	NICKEL PLATING
D	COVER	1	STAINLESS STEEL	NICKEL PLATING
E	GND PLATE	1	STAINLESS STEEL	NICKEL PLATING
F	GND RING	1	STAINLESS STEEL	BLACK
G	O-RING	1	STAINLESS STEEL	BLACK

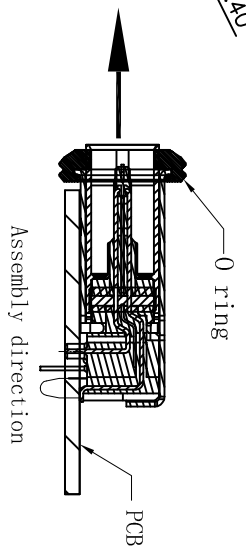
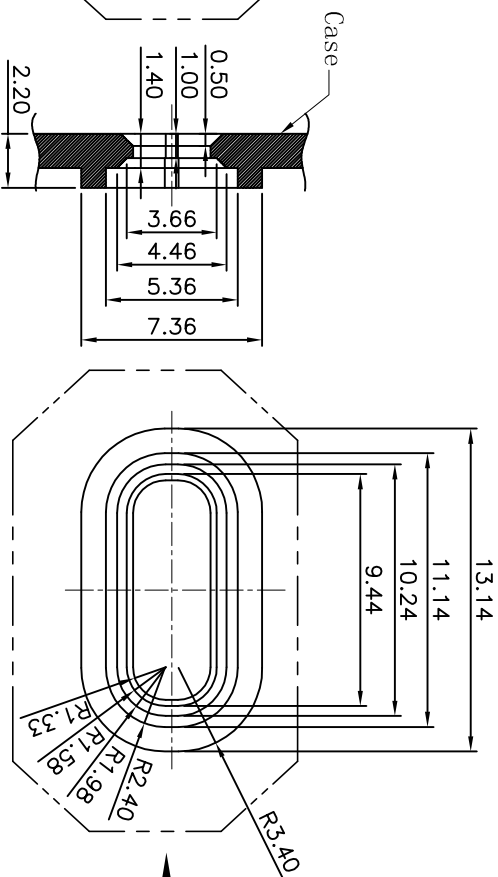
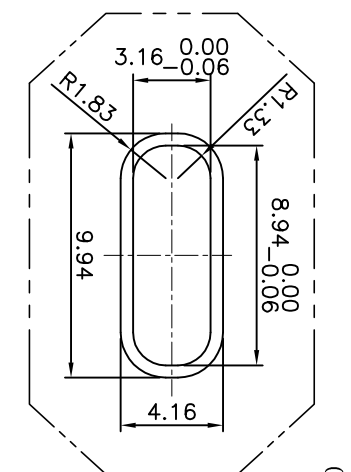
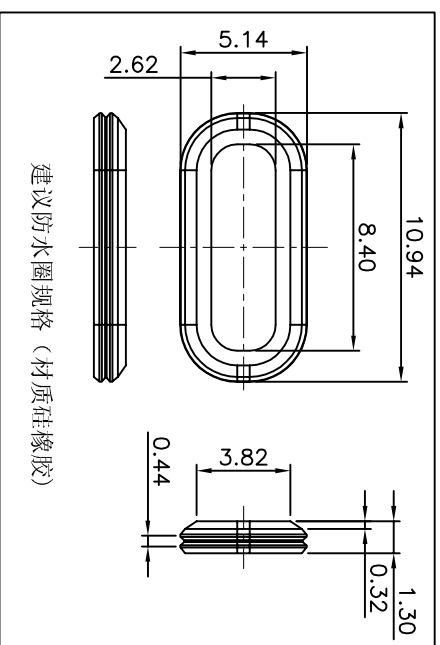
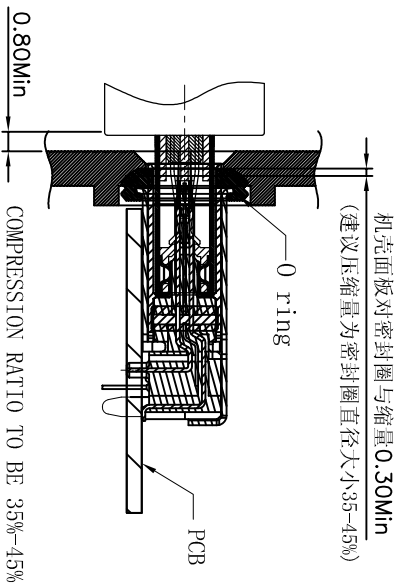
UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X : ±0.5 X : ±2°  
 X.X : ±0.3 X.X : ±1°  
 X.XX : ±0.2 X.XX : ±1°

Singatron Enterprise Co., Ltd.  
 信登企業股份有限公司  
 USB 3.1-G WATERPROOF  
 CL1.75 H3.46mm DIP TYPE IPX7  
 Part No.: 2UB2Y80-C01111F  
 Scale 1:1 Unit: mm  
 Size: A4 Sheet: 1 of 2 Rev: A

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSTXp1	Second
A3	SSTXn1	Second	B10	SSTXn1	Second
A4	V <sub>as</sub>	First	B9	V <sub>as</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dp2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>as</sub>	First	B4	V <sub>as</sub>	First
A10	SSTXp2	Second	B3	SSTXp2	Second
A11	SSTXn2	Second	B2	SSTXn2	Second
A12	GND	First	B1	GND	First
SHELL			SHELL		



RECOMMENDED OPEN DIMENSION OF CASE  
TOLERANCE: ±0.03mm  
MATING AREA WITH SEALING RING

UNLESS OTHERWISE SPECIFIED TOLERANCES		DECIMALS:		ANGLES:	
X	:±0.5	X	:±2°	X	:±0.3
X	:±0.3	X	:±1°	X	:±0.2
X	:±0.2				
TITLE		DWN		CHKD	
USB 3.1 G WATERPROOF		YU-Huang		Stone-Zhu	
CL1.75 H3.46mm DIP TYPE IPX7		PART NO.: 2UB2Y80-C01111F		SCALE 1:1	
APVD		SIZE: A4		SHEET: 2 OF 2	
CUSTOMER COPY		REV: A			

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