

PIN ASSIGNMENT(Front)																							
A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1	
GND	TX1+	TX1-	Vbus	CC1	D+	D-	SBU1	Vbus	RX2-	RX2+	GND	GND	RX1+	RX1-	Vbus	SBU2	D-	D+	CC2	Vbus	TX2-	TX2+	GND

REV.	ECN NO. OR DESCRIPTION	REVISED	DATE
B	ECN NO.:S202101-R21	XIAO	2021.01.19
C	ECN NO.:S202106-R14	XIAO	2021.07.07
D	ECN NO.:S202108-C01	XIAO	2021.09.01

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:

1-1. LLCR:

VBUS & GND PINS: 40mΩ /PIN MAX.

OTHER PINS: 40mΩ /PIN MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

1-2. CURRENT RATING: 3.0 A Max.

1-3. VOLTAGE RATING: 5.0 V.

1-4. INSULATION RESISTANCE: 100MΩ MIN.

1-5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -55°C~+85°C.

2. MECHANICAL CHARACTERISTICS:

2-1. MATING FORCE : 5-20 N.

2-2. UNMATING FORCE : 14N Min. After test 8N Min.

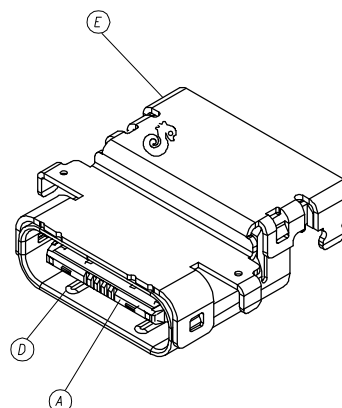
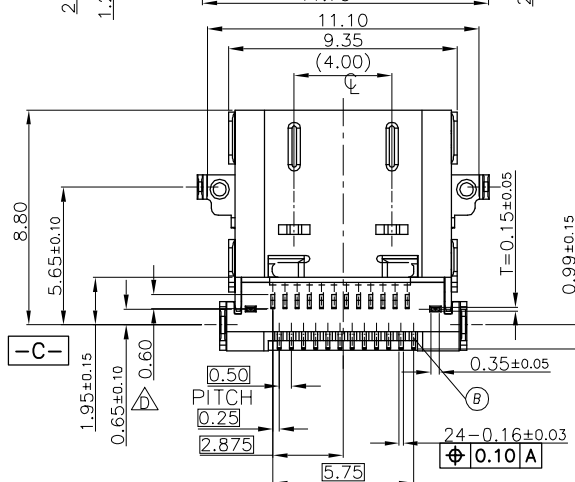
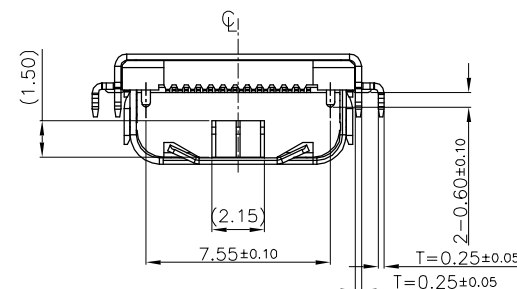
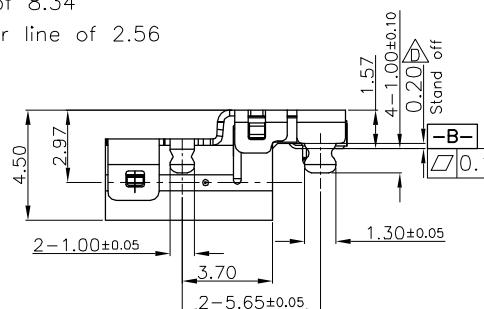
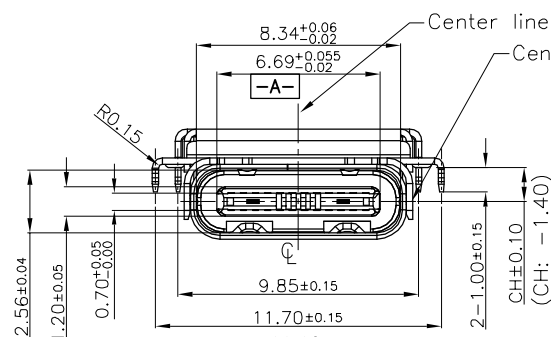
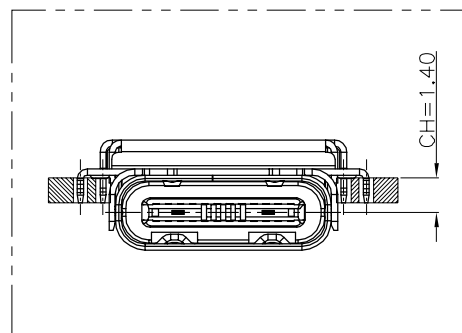
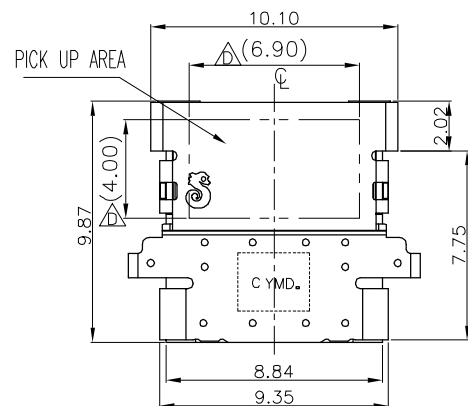
3. LIFE TEST: 10000 CYCLES MIN.

4. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.

5. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK: Ⓢ

6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: Ⓢ

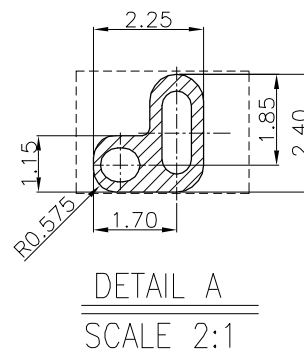
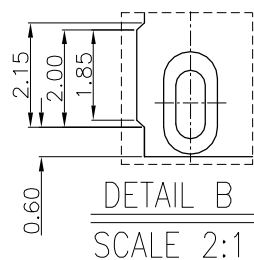
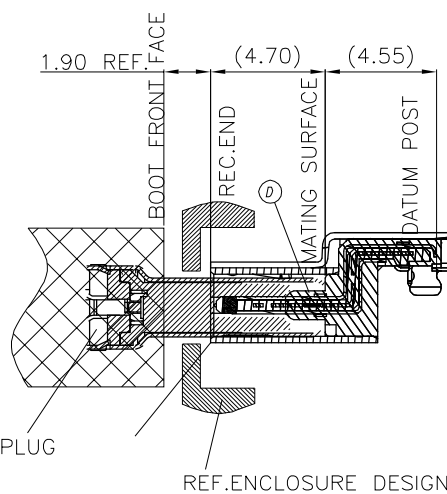
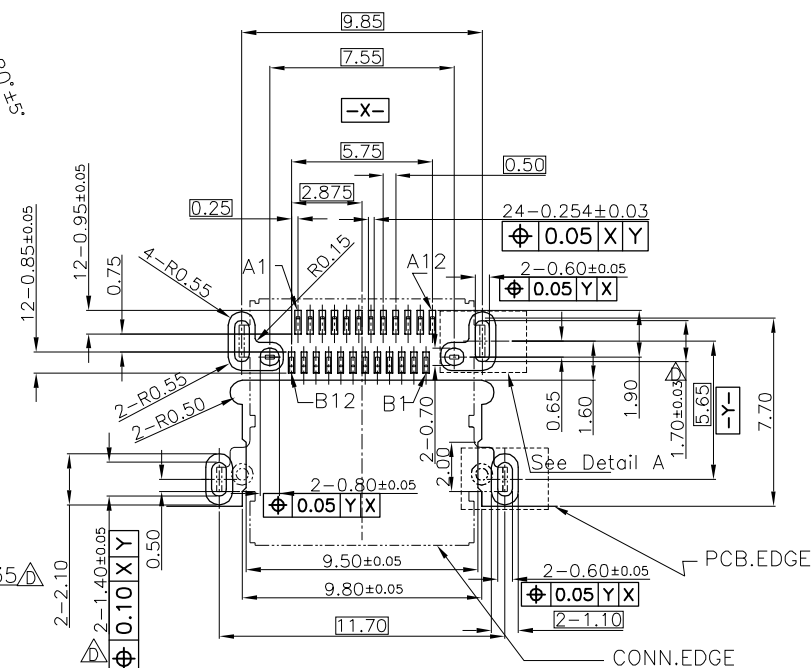
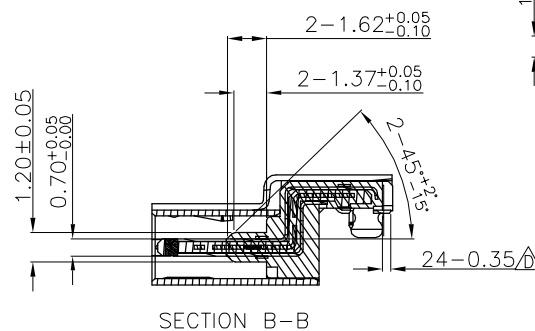
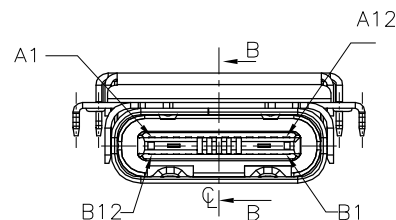
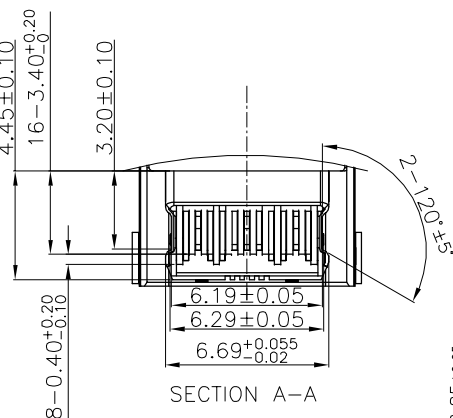
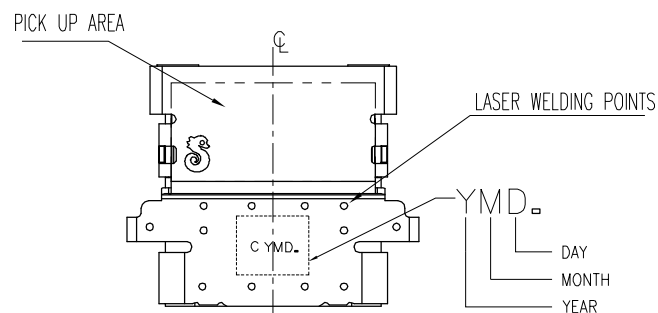
7. FOR REFLOW SOLDERING LEAD-FREE PROCESS.



E	TOP SHELL	1	STAINLESS STEEL,T=0.25	80μin Min. Solderable Nickel plating.
D	SHELL	1	STAINLESS STEEL,T=0.25	80μin Min. Solderable Nickel plating.
C	MID-GND	1	SUS301 T=0.15	N/A
B	CONTACT	24	C7205 T=0.12	30μin Min. Gold plating on contact area. G/F plating on solder tail area. 80μin Min. NICKEL under plating.
A	BODY	1	LCP E471i UL94-V0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES			Singatron Enterprise Co., Ltd. 信音企業股份有限公司	
DECIMALS:		ANGLES:	TITLE	
X	:±0.5	X	:±2°	USB TYPE -C Dual SMT (C.H.=-1.40) TBT4
X.X	:±0.3	X.X	:±1°	DWN XIAO PART NO: 2UB3C39-000111F
X.XX	:±0.2			CHKD ALLEN SCALE:4:1 UNIT: mm
				APVD BOYE SIZE: A3 SHEET:1 OF 2 REV: D
CUSTOMER COPY				

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	TX1+	TX1-	V _{bus}	CC1	D+	D-	SBU1	V _{bus}	RX2-	RX2+	GND	GND	RX1+	RX1-	V _{bus}	SBU2	D-	D+	CC2	V _{bus}	TX2-	TX2+	GND

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D	ECN NO.:S202108-C01	XIAO	2021.09.01



RECOMMENDED P.C.B LAYOUT(TOP VIEW)

TOLERANCE=±0.05(THK:1.00mm)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES			Singatron Enterprise Co., Ltd. 信音企業股份有限公司	
DECIMALS:	ANGLES:	TITLE	USB TYPE -C Dual SMT (CH: -1.40) TBT4	
X :±0.5	X :±2°	DWN	XIAO	PART NO: 2UB3C39-000111F
X.X :±0.3	X.X :±1°	CHKD	ALLEN	SCALE:4:1 UNIT: mm 
X.XX :±0.2		APVD	BOYE	SIZE: A3 SHEET:2 OF 2 REV: D
CUSTOMER COPY				