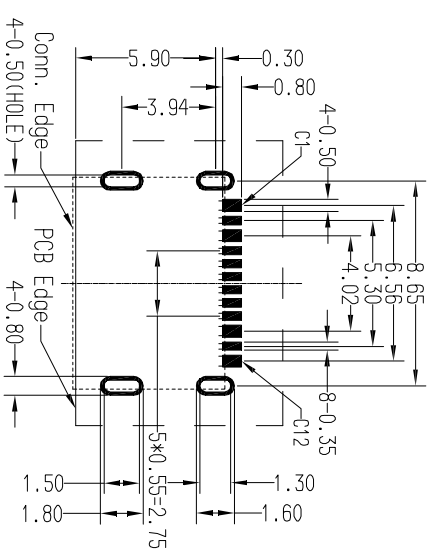
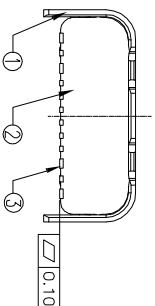
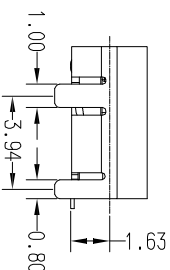
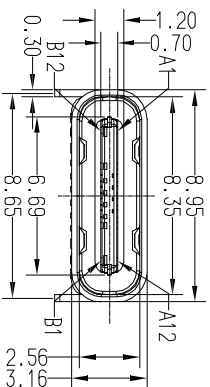
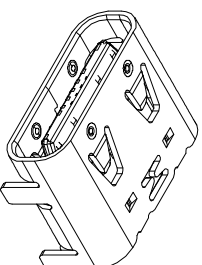
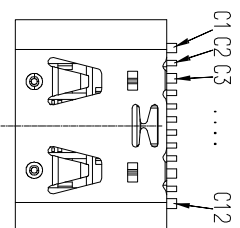




RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

PCB THICKNESS: 0.80±0.05mm
DEFAULT TOLERANCE: ±0.05mm

NOTES:

1. ELECTRICAL CHARACTERISTICS:

- 1-1. CONTACT CURRENT RATING:

5.0A FOR VBUS PIN AND GND PIN.
0.25A MIN FOR ALL OTHER TERMINALS.

1-2. CONTACT RESISTANCE:

30MILLIOM MAX FOR VBUS AND GND CONTACTS.

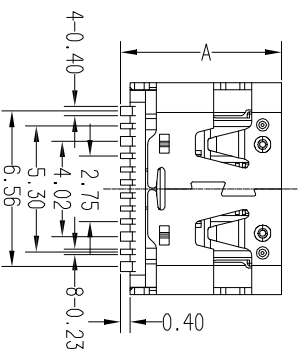
50MILLION MAX FOR ALL OTHER CONTACTS.

- 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100 VRMS AC MIN.
1-4. INSULATION RESISTANCE: 100 MEGOHMS MIN.

2. MECHANICAL CHARACTERISTICS:

- 2-1. CONNECTOR INSERTION FORCE:5~20N.
AT A MAXIMUM RATE OF 12.5MM PER SECOND.
- 2-2. CONNECTOR EXTRACTION FORCE:8~20N.
AT A MAXIMUM RATE OF 12.5MM PER SECOND.

- 2-3. DURABILITY: 10000 CYCLES.
- 2-4. OPERATING TEMPERATURE: -55° C TO +85° C.
3. RECOMMENDED PROCESS: IR REFLOW 260° C, 3~5SECONDS.
4. THE CONNECTOR IS ROHS COMPLIANT.



INTERFACE (FRONT VIEW)											
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	Vbus	CC1	D+	D-	SRU1	Vbus	/	/	GND
BND	/	/	Vbus	SRU2	D-	D+	CC2	Vbus	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

INTERFACE (FRONT VIEW)

PIN ASSIGNMENT:

ITEM	PART No.	Dim A	Dim B
1	TYPE-C-31-M-23	6.50	4.40
2	TYPE-C-31-M-24	6.80	4.70
3	TYPE-C-31-M-25	8.30	6.20

Pin No.	A1&B12	A5	A4&B9	A6	B8	B7	B6	B5	A7	A9&B4	A8	A12&B
Signal Name	GND	CC1	V _{bus}	D+ SBU2	D-	D+	CC2	D-	V _{bus}	SBU1	GND	
PCB PAD No.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12

ITEM	PART NAME	TER.NO.	QTY.	MATERIAL	FINISHING
③	Snell	—	1	STAINLESS STEEL	Ni Plated
②	Contact	—	12	COPPER ALLOY	Au Plated
①	Housing	—	1	LCP	Black

APPROVALS		DATE	LCZY ELECTRONICS(SHEN ZHEN)CO.,LTD
	S.L.L	2019.10.12	
DRAWN			

			CHECKED	TITLE:	USB CONNECTOR
			APPROVALS	PART NO.	
A		NEW			
ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.
				APPRO.	
			TOLERANCES ARE	UNIT: mm	SCALE: 1:1
			30~81.1 10~30 5~10 ~5	±0.30 ±0.25 ±0.20 ±0.15	ANGLE ±2°
			DRAWING NO.	SHEET 1 OF	PROJ.