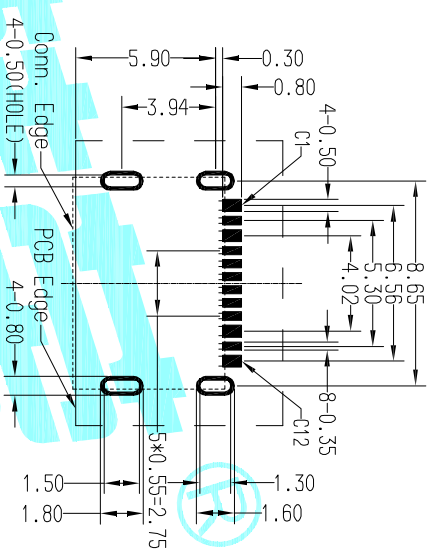
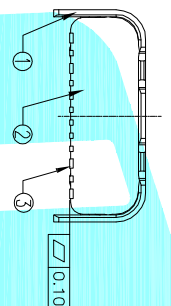
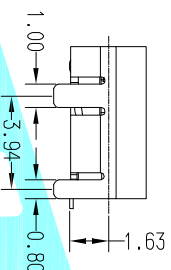
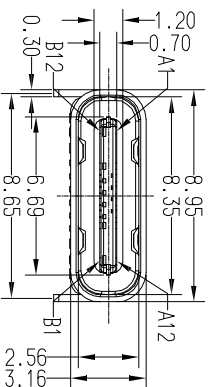
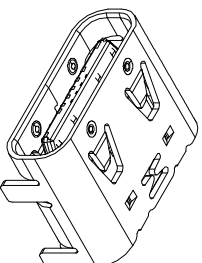
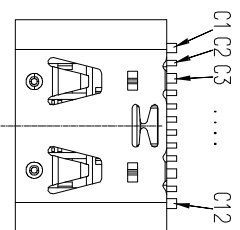




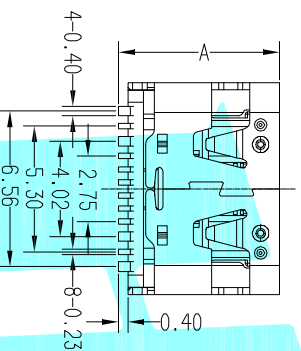
RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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:
 - 50MILLIOMH MAX FOR ALL OTHER CONTACTS.
 - 5MILLIOMH MAX FOR ALL OTHER CONTACTS.
 - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100 VOMS 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, 3-5 SECONDS.
4. THE CONNECTOR IS ROHS COMPLIANT.



INTERFACE (FRONT VIEW)											
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V _{bus}	CC1	D-	D-	VSU1	V _{bus}	/	/	GND
B12	B11	B10	V _{bus}	VSU2	D+	D+	CC2	V _{bus}	/	/	GND
			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	 ELECTRONICS CO.,LTD
DRAWN JIANKUN.LU	2018.08.01	

[illegible]