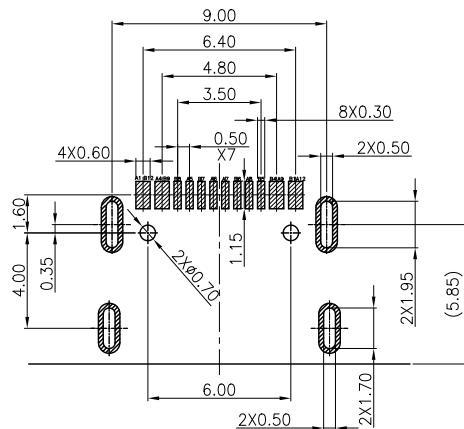
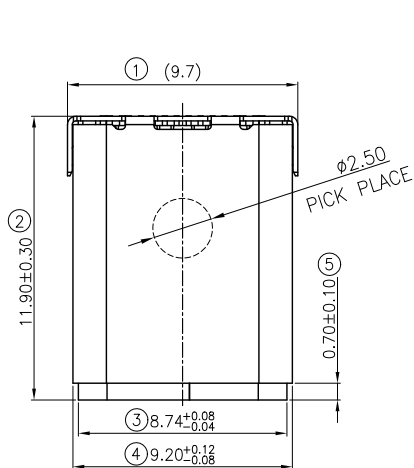


REV	DESCRIPTION	DATE	ECN	CHANGE
X-0	New Release	20.09.14	xxxx	Dave.zhao
X-1	修改柱子结构	20.09.30		Dave.zhao

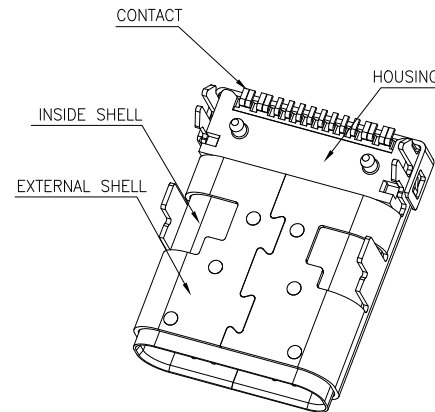


RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05

THICKNESS 1.20mm

KEEP OUT AREA



NOTE:

1. MATERIAL:

1.1 HOUSING: LCP E130I UL 94 V-0; Black Color

1.2 CONTACT: C1814 (T=0.12mm)

1.3 EXTERNAL SHELL: SUS304 (T=0.20mm)

1.4 INSIDE SHELL: SUS304 (T=0.20mm)

1.5 MID PLATE: SUS301 (T=0.15mm)

2. ELECTRICAL CHARACTERISTICS:

2.1 CONTACT RESISTANCE:

40mΩ Max FOR VBUS, GND AND OTHER CONTACTS,

50mΩ CHANGE AFTER ENVIRONMENT TEST,

MEASURE AT 20mV, 100mA.

2.2 CONTACT CURRENT RATING:

5A FOR VBUS PIN AND GND PIN,

1.25A FOR VCONN PIN, 0.25A OTHERS PIN

2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

2.4 INSULATION RESISTANCE: 100MΩ Min

2.5 OPERATING TEMPERATURE: -40°C ~ 95°C

3. MECHANICAL CHARACTERISTICS:

3.1 MATING FORCE (maximum rate of 12.5mm per minute): 5~20 N.

3.2 UNMATED FORCE (maximum rate of 12.5mm per minute): INITIAL 8~20N;

6~20N AFTER 10000 CYCLES

3.3 DURABILITY: 10,000 CYCLES

4. RECOMMENDED PROCESS: IR REFLOW (260°±5 10 SECONDS)

5. THE CONNECTOR IS ROHS/HALOGEN COMPLIANT

6. THE PART CONFORMS TO USB TYPE C SPEC UNLESS SPECIFIED

7. FORCE OF THE HARPOON FOOT INTO THE PCB: 25N MAX

8. PLATING

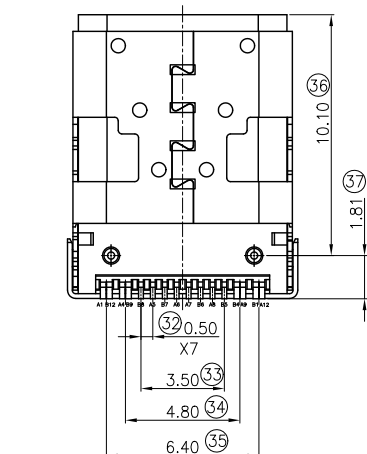
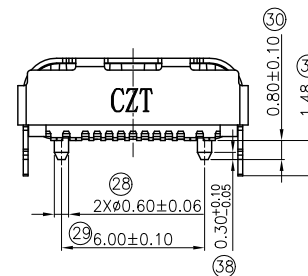
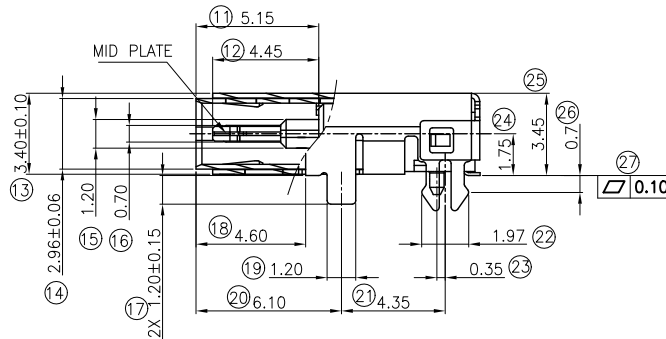
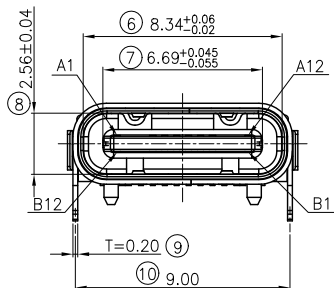
8.1 TERMINAL CONTACT: 30u" Min NICKEL PLATING OVER ALL

6u" Min AU PLATING ON THE CONTACT AREA
AU FLASH ON THE SOLDER AREA.

8.2 EXTERNAL SHELL: 30u" Min NICKEL PLATING.

8.3 INSIDE SHELL: 30u" Min NICKEL PLATING.

8.4 MID PLATE: 30u" Min NICKEL PLATING.



Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A4	VBUS	First	B9	VBUS	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	VBUS	First	B4	VBUS	First
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

CZT DONGGUAN ZHENGDE (YIHUA) CONNECTOR CO., LTD

X. ±0.38	X.* ±4°	UNIT:	mm	DR:		TITLE:	USB 2.0 C TYPE Female		
.X ±0.25	.X* ±2°	3RD:		DE:			CH1.75 L11.90mm SMT TYPE		
.XX ±0.20	.XX*	SCALE:	1:1	CHKD:		SHEET:	1/1	P/N:	10317016C001
.XXX ±0.10	.XXX*	CUSTOMER DRAWING	REV:	X-1	APPD:	D/N:	131A-0078	M/N:	