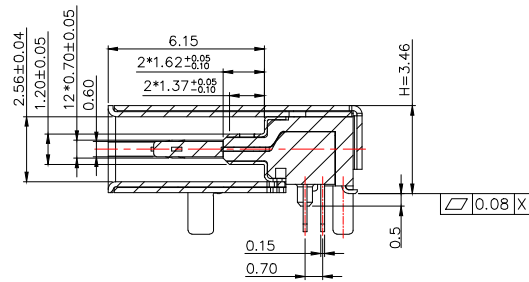
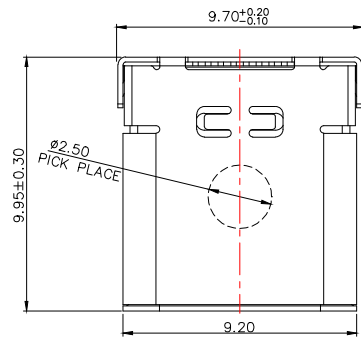
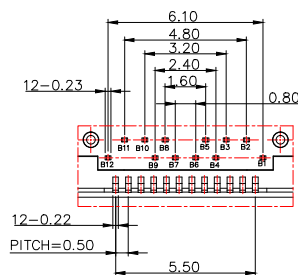
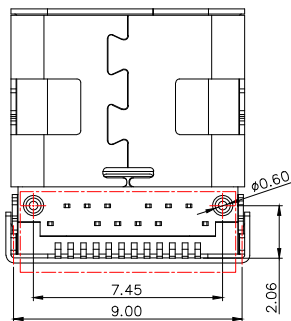
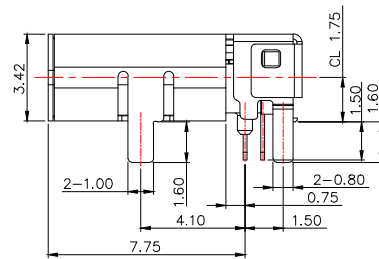
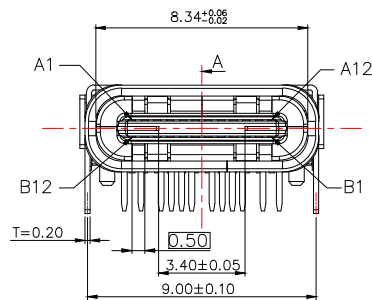
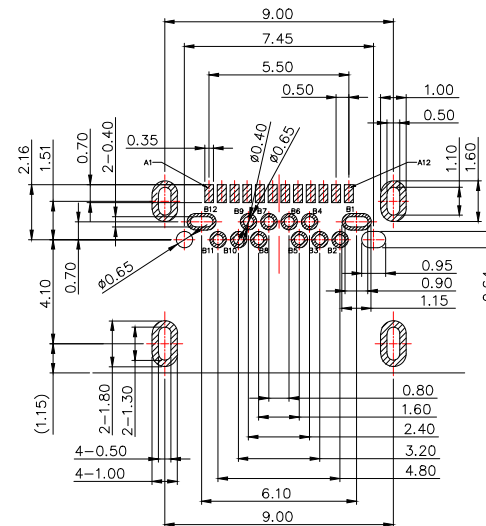
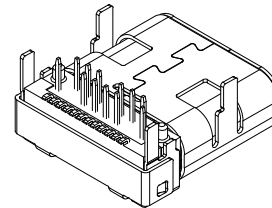
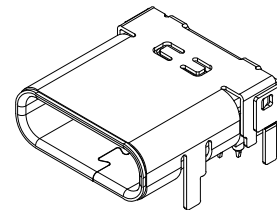


ROHS

Section A-A
Scale 1:1Detail A
Scale 1:1

RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05



PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel 1	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use (SBU)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

1.MATERIAL:

MOLDING: LCP UL94 V-0

CONTACT: COPPER ALLOY.

GOLD PLATED Min ON CONTACT AREA,100u"
Min TIN (LEAD FREE) ON SOLDER AREA,

SHELL: SUS304-H,T=0.20±0.03mm

50u" NICKEL PLATING OVER ALL.

SHILD:SUS304-H,T=0.12±0.03mm

2.MECHANICAL:

INSERTION: 5~20N.

EXTRACTION: 8~20N AFTER TEST.

DURABILITY: 10000 CYCLES

3.ELECTRICAL:

CURRENT: 5A FOR VBUS;

1.25A FOR GND PIN.

0.25A FOR OTHER.

VOLTAGE: 20 V MAX

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

CONTACT RESISTANCE: 40mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN.

4.ENVIRONMENTAL

TEMPERATURE RANGE -55°C ~ +85°C

APPROVALS		DATE	LCZY ELECTRONICS(SHEN ZHEN)CO.,LTD		
DRAWN	S.L.L	2019.10.12			
CHECKED			TITLE:	USB CONNECTOR	
APPROVALS			PART NO.	TYPE-C-31-M-02	
TOLERANCES ARE	30~以上	±0.30	ANGLE	UNIT: mm	SCALE: 1:1
	10~30	±0.25			
	5~10	±0.20	±2'	DRAWING NO.	PROJ:
	~ 5	±0.15			
ECN NO.	REV.	DATE.	CHANGE.	CHECK.	APPRO.



NEW

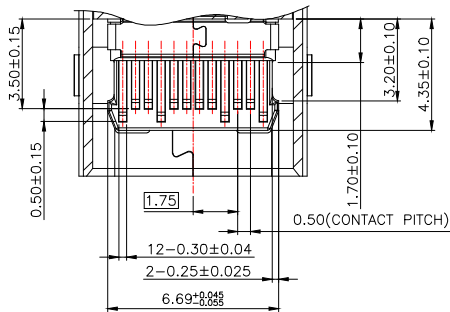
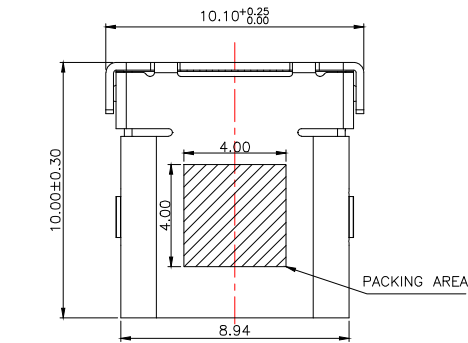
DESCRIPTION.

CHANGE.

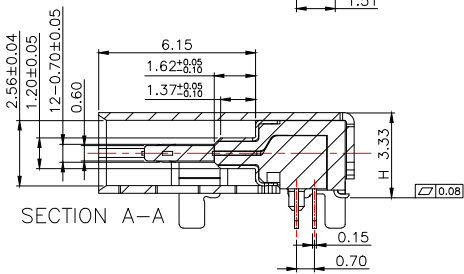
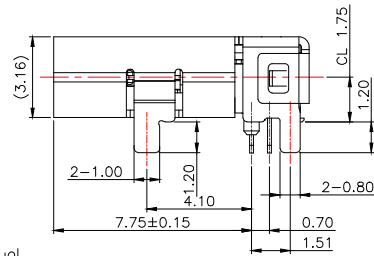
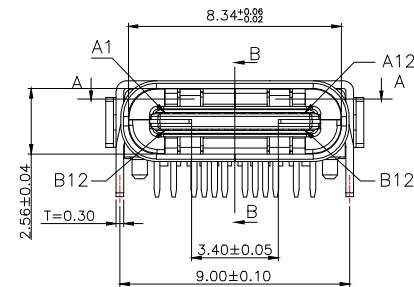
CHECK.

APPRO.

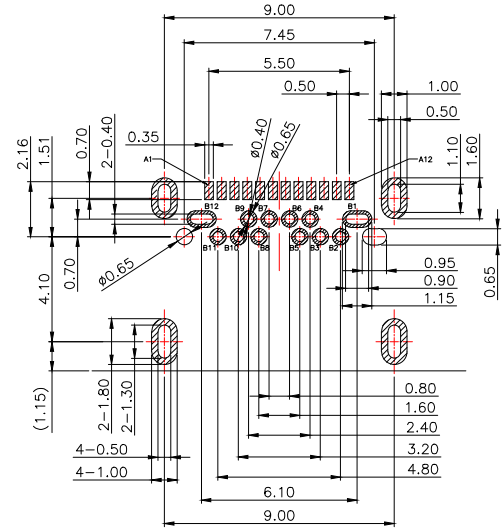
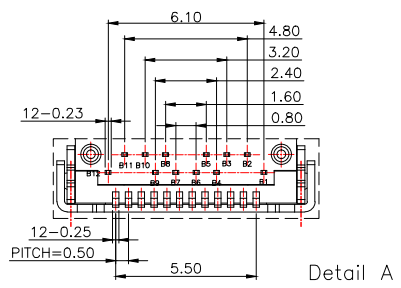
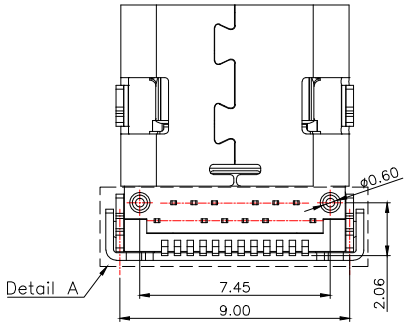
SHEET 1 OF 1



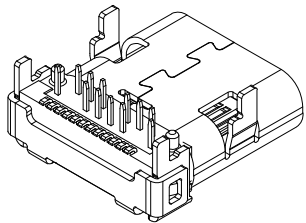
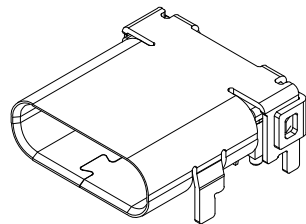
SECTION B-B



SECTION A-A



RECOMMEND P.C. LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05
KEEPOUT AREA



PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Groundreturn	B12	GND	Groundreturn
A2	SSTxp1	Positivehalf of first SuperSpeed TX differential pair	B11	SSRxp1	Positivehalf of first SuperSpeed RX differential pair
A3	SSTxn1	Negativehalf of first SuperSpeed TX differential pair	B10	SSRxn1	Negativehalf of first SuperSpeed RX differential pair
A4	VBS	BusPower	B9	VBS	BusPower
A5	CC1	Configuration Channel	B8	SBU2	SidebandUse (SBU)
A6	Dp1	Positivehalf of the USB2.0 differential pair-Position 1	B7	Dn2	Negativehalf of the USB2.0 differential pair-Position 2
A7	Dn1	Negativehalf of the USB2.0 differential pair-Position 1	B6	Dp2	Positivehalf of the USB2.0 differential pair-Position 2
A8	SBU1	SidebandUse (SBU)	B5	CC2	Configuration Channel
A9	VBS	BusPower	B4	VBS	BusPower
A10	SSRx2	Negativehalf of second SuperSpeed TX differential pair	B3	SSTXn2	Negativehalf of second SuperSpeed TX differential pair
A11	SSRx2	Positivehalf of second SuperSpeed TX differential pair	B2	SSTXp2	Positivehalf of second SuperSpeed TX differential pair
A12	GND	Groundreturn	B1	GND	Groundreturn

- 1.MATERIAL:
MOLDING: LCP UL94 V-0
CONTACT: COPPER ALLOY.
GOLD PLATED Min ON CONTACT AREA, 100u"
Min TIN (LEAD FREE) ON SOLDER AREA,
SHELL: SUS304-H, T=0.30±0.03mm
50u" NICKEL PLATING OVER ALL.
SHILD: SUS304-H, T=0.12±0.03mm
- 2.MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 8~20N AFTER TEST.
DURABILITY: 10000 CYCLES
- 3.ELECTRICAL:
CURRENT: 5A FOR VBUS;
1.25A FOR GND PIN.
0.25A FOR OTHER.
VOLTAGE: 20 V MAX
WITHSTANDING VOLTAGE: 100V AC R.M.S.
CONTACT RESISTANCE: 40mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN.

			APPROVALS			DATE		LCZY ELECTRONICS(SHEN ZHEN)CO.,LTD		
			DRAWN	S.L.L		2019.10.12		TITLE:	单壳10.0MM	
			CHECKED					PART NO.	TYPE-C-31-M-02B	
			APPROVALS					UNIT: mm	SCALE: 1:1	PROJ:
ECN NO.	REV.	DATE.	NEW DESCRIPTION.			TOLERANCES ARE	30~以上 ±0.30 10~30 ±0.25 5~10 ±0.20 ~ 5 ±0.15	ANGLE ±2°	DRAWING NO.	SHEET 1 OF 1