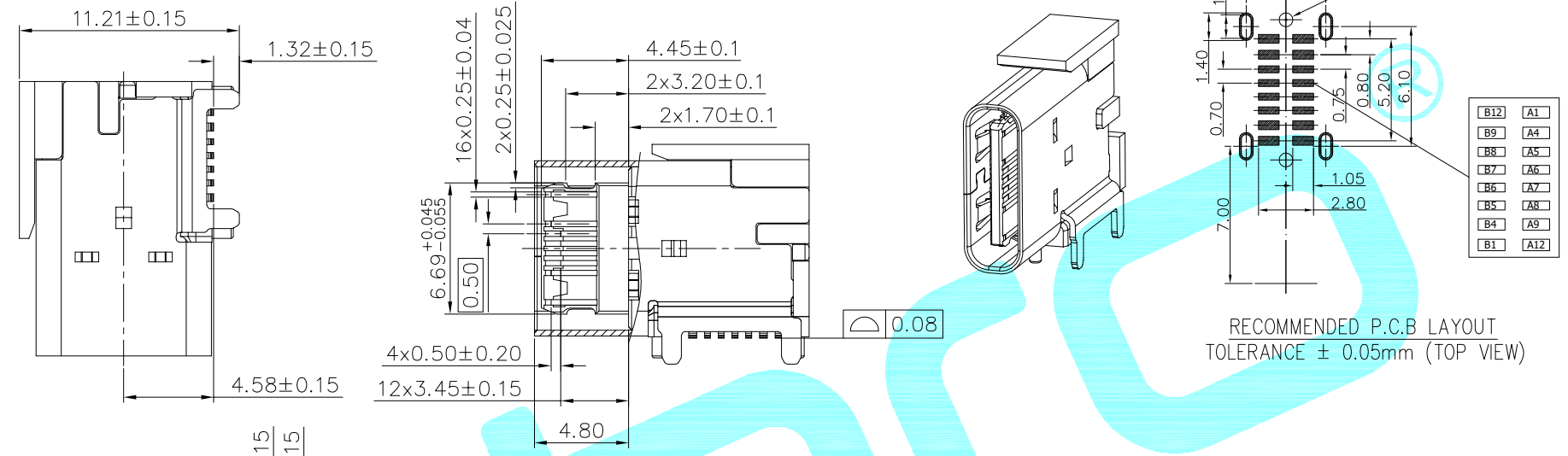
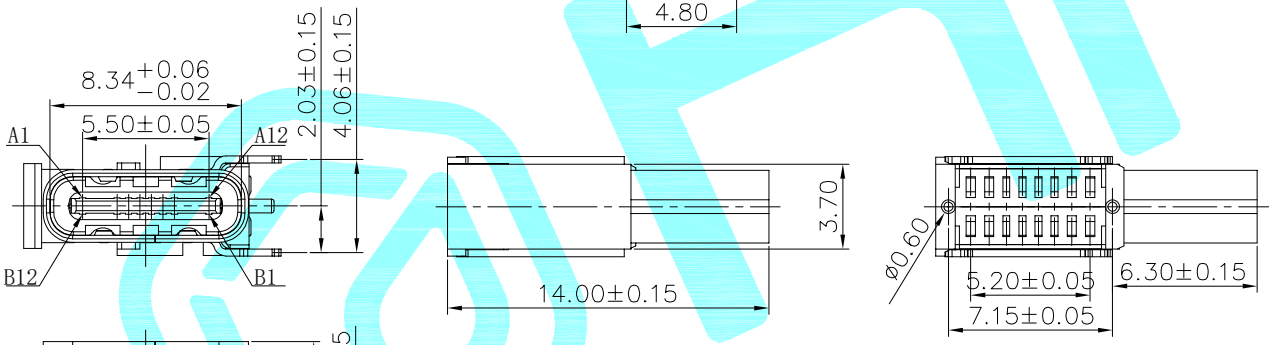
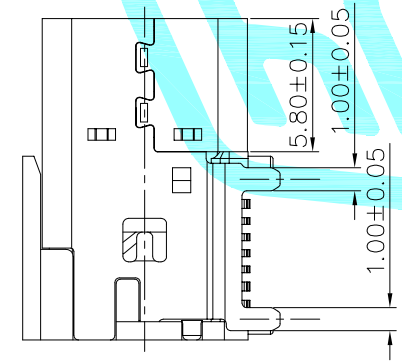
ROHS

Http://www.krhro.com



RECOMMENDED P.C.B LAYOUT
TOLERANCE ± 0.05mm (TOP VIEW)





A1	GND	B12	GND
A2		B11	
A3		B10	
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D−
A7	D−	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10		B3	
A11		B2	
A12	GND	B1	GND

GOLD FLASH PLATING ON SOLDER TAIL.

MATERIALS

1. HOUSING : LCP (UL 94V−0), BLACK.
2. TERMINAL : COPPER ALLOY,
   GOLD PLATED ON CONTACT AREA.

   NICKEL UNDERPLATED OVER ALL.
3. MID PLATE : STAINLESS STEEL.
4. SHELL : STAINLESS STEEL,NICKEL PLATING.

SPECIFICATION

1. CURRENT RATING : 5.0A FOR Vbus PIN,
   1.25A FOR Vconn PIN,
   0.25A FOR OTHER PINS.
2. CONTACT RESISTANCE : 40mΩ.
3. INSULATION RESISTANCE : 100MΩ MIN.
4. DIELECTRIC WITHSTANDING VOLTAGE : 100 VAC MIN.
5. OPERATING TEMPERATURE : −40°C TO +85°C.
6. MATING FORCE : 5~20N.
7. UNMATING FORCE : 8~20N.
8. DURABILITY : 10,000 CYCLES.
9. RECOMMENDED PROCESS :
   THE PEAK TEMPERATURE ON THE BOARD SHALL MAINTAIN 260°C.

———	A	———	NEW	———	———	———
ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.

APPROVALS		DATE	
DRAWN	LIUCAN	2020/10/28	
CHECKED			
APPROVALS			

TOLERANCES ARE			ANGLE
	30~ 以上	±0.30	
	10~30	±0.25	
	5~10	±0.20	±2°
	~ 5	±0.15	

TITLE:	USB CONNECTOR
PART NO.	TYPE−C−31−M−53
UNIT: mm	SCALE: 1:1
DRAWING NO.	———
	PROJ:
	SHEET 1 OF 1