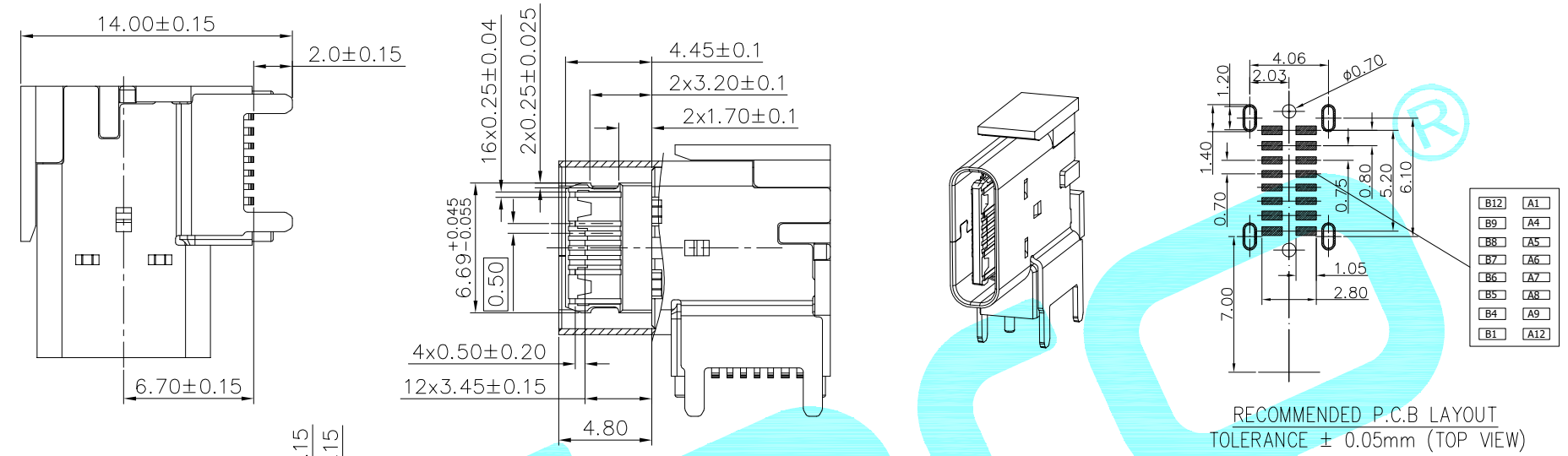
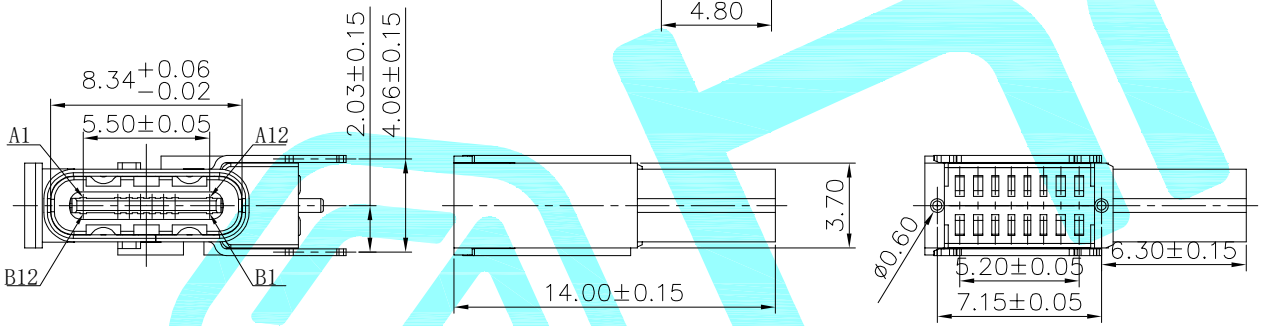
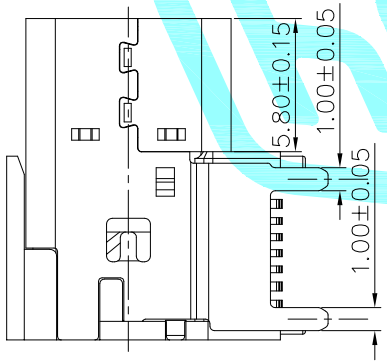
ROHS

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

MATERIALS

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

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

APPROVALS		DATE	
DRAWN	LIUCAN	2020/10/28	
CHECKED			TITLE: USB CONNECTOR
APPROVALS			PART NO. TYPE−C−31−M−53A
TOLERANCES ARE	30~以上 ±0.30 / 10~30 ±0.25 / 5~10 ±0.20 / ~5 ±0.15	ANGLE ±2°	UNIT: mm / SCALE: 1:1 / PROJ: / DRAWING NO. / SHEET 1 OF 1