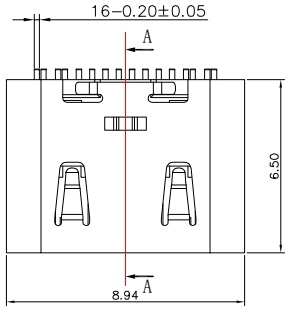
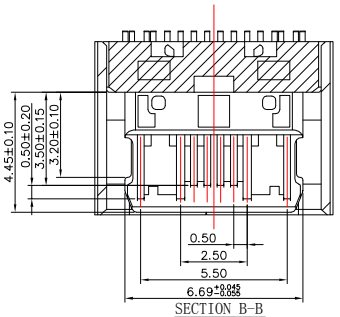
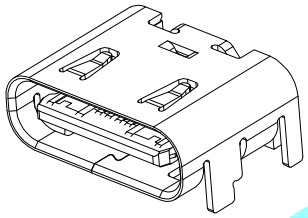
ROHS

Http://www.krhro.com



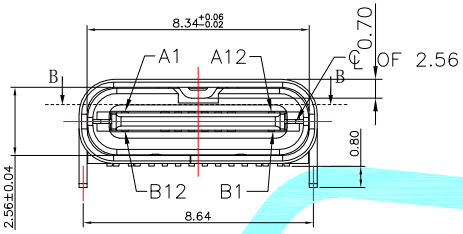


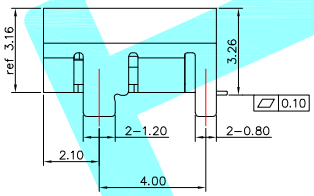
SECTION B-B
SCALE 1:1

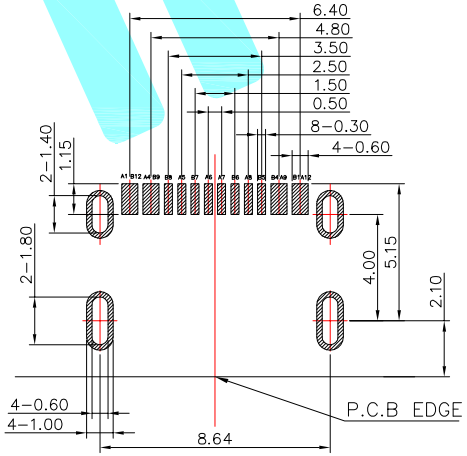


NOTE:

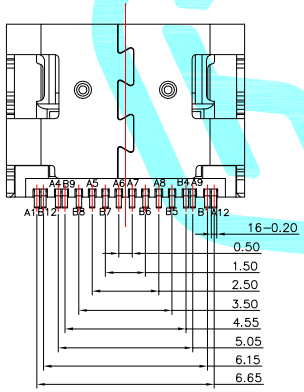
1.MATERIAL SPECIFICATION:
  1.HOUSING: LCP,UL94 V-0.
  2.CONTACTS: COPPER ALLOY
  3.MID PLATE/SHELL: STAINLESS STEEL
2.PLATING SPECIFICATION:
  2-1.CONTACTS:
    Ni 50u" MIN. UNDER PLATED OVER ALL.
    Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
    (GOLD PLATING THICKNESS FOLLOW THE P/N)
    GOLD FLASH PLATING ON SOLDER AREA
  2-2.FRONT SHELL:
    Ni 30u" MIN. UNDER PLATED OVER ALL.
3.MECHANICAL PERFORMANCE,
  3-1.INSERTION FORCE: 5~20N.
  3-2.REMOVAL FORCE: 8~20N.
  3-3.DURABILITY: 10000 CYCLES.
4.ELECTRICAL PERFORMANCE,
  4-1. CURRENT RATING: 5A
    VOLTAGE RATING: 20V
  4-2.INSULATION RESISTANCE: 100MΩ MIN
  4-3.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
  4-4.LOW CONTACT RESISTANCE: INITIAL 40mΩ
    AFTER 50mΩ
5. ENVIRONMENTAL PERFORMANCE:
  OPERATING TEMPERATURE: -30°C~+85°C.

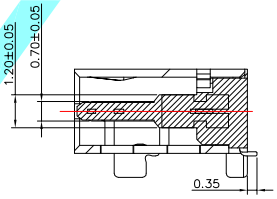






RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05





SECTION B-B
SCALE 1:1

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	*SIGNAL NAME*
A1	*GND*
A4	*VBUS*
A5	*CC1*
A6	*Dp1*
A7	*Dn1*
A8	*SBU1*
A9	*VBUS*
A12	*GND*

PIN NUMBER	*SIGNAL NAME*
B12	*GND*
B9	*VBUS*
B8	*SBU2*
B7	*Dn2*
B6	*Dp2*
B5	*CC2*
B4	*VBUS*
B1	*GND*

						APPROVALS		DATE	hro®		
						DRAWN	LIUCAN	2024.6.19			
						CHECKED			TITLE:	USB CONNECTOR	
						APPROVALS			PART NO.	TYPE-C-31-M-23A	
———	A	———	NEW	———	———	———	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:
ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.			DRAWING NO.	———	SHEET 1 OF 1