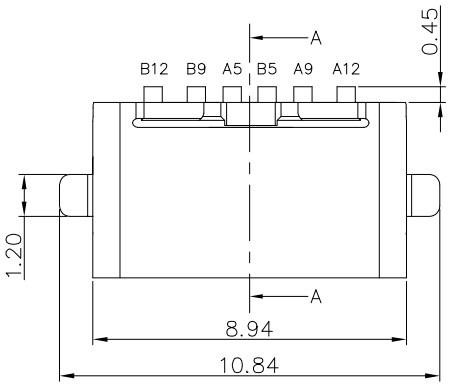
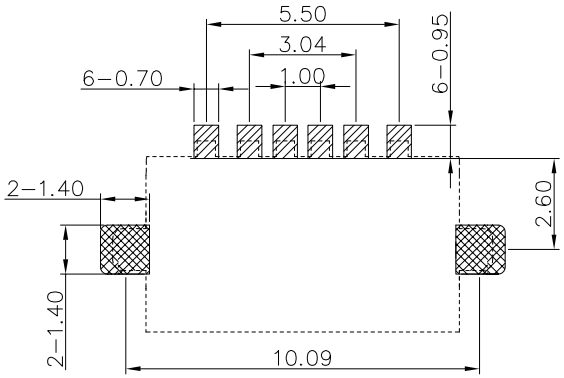
ROHS

Http://www.krhro.com

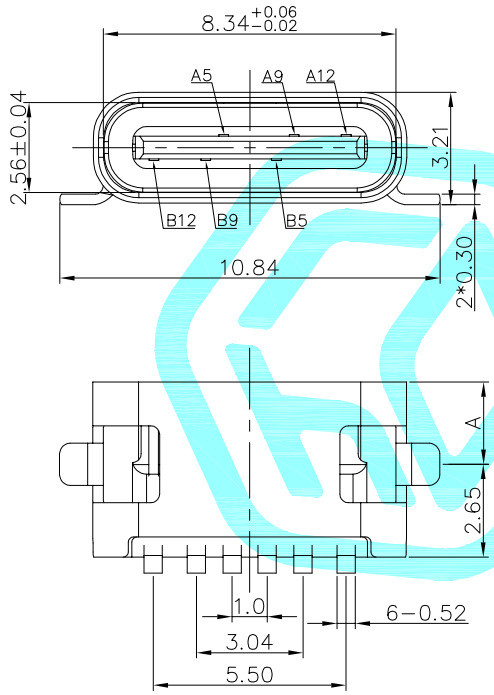


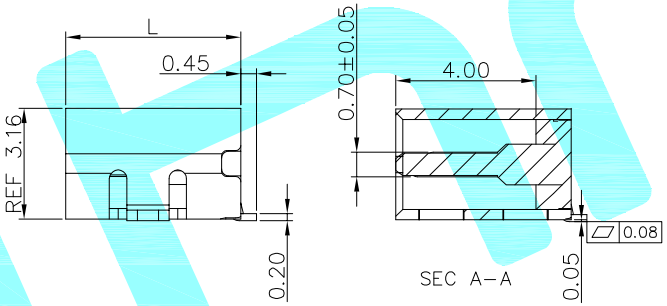


RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

NOTE:

1.MATERIAL SPECIFICATION:
  1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
  2.CONTACTS: COPPER ALLOY
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: 0.5~2.0kgf.
  3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
  3-3.DURABILITY: 3000 CYCLES.
4.ELECTRICAL PERFORMANCE,
  4-1. CURRENT RATING: 5.0A
       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
5. ENVIRONMENTAL PERFORMANCE:
  OPERATING TEMPERATURE: -30°C~+80°C.
6.IR REFLOW:
  THE PEAK TEMPERATURE ON THE BOARD SHALL
  BE MAINTAINED FOR 10 SECONDS AT 260°C.





PIN	A5	A9	A12	B12	B9	B5
SIGNAL NAME	CC1	VBUS	GND	GND	VBUS	CC2

PART NO.	L	A
TYPE-C-31-M-57	5.0	2.35
TYPE-C-31-M-57A	5.5	2.85

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

APPROVALS		DATE
DRAWN	LIANG	2026.03.27
CHECKED		
APPROVALS		

TOLERANCES ARE			ANGLE
	30~以上	±0.30	
	10~30	±0.20	
	5~10	±0.15	±2°
	~ 5	±0.10	

hro®

TITLE:	USB CONNECTOR
PART NO.	
UNIT: mm	SCALE: 1:1
DRAWING NO.	———
PROJ:	SHEET 1 OF 1