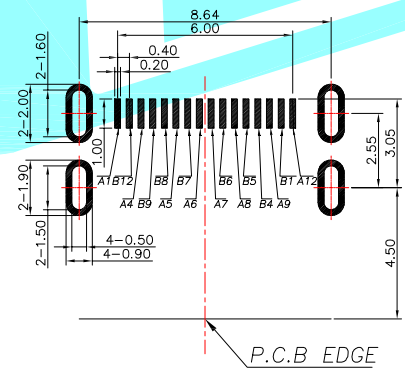
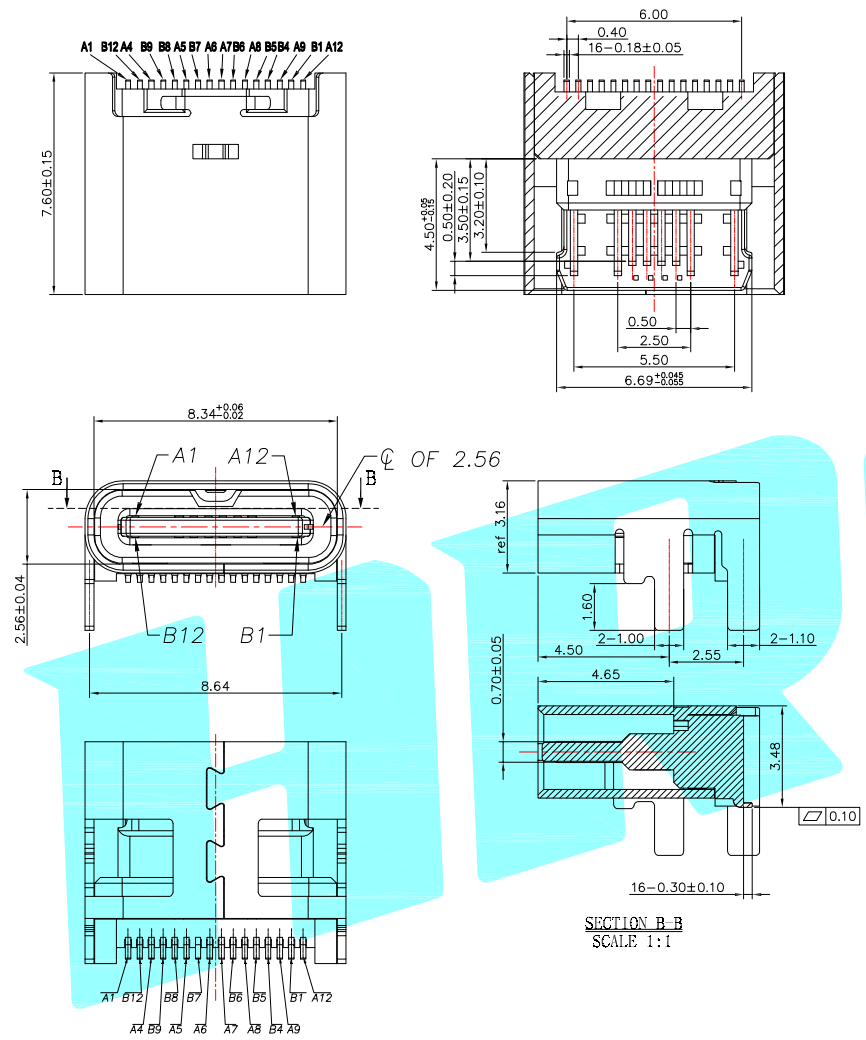
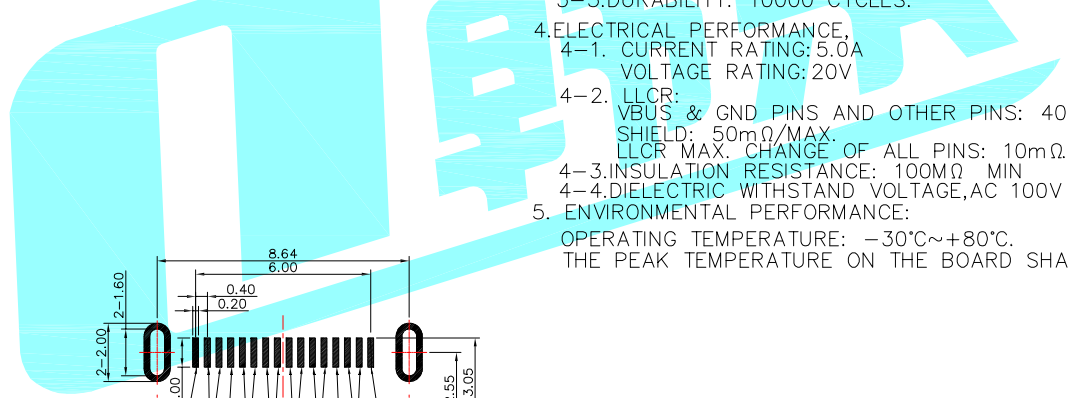
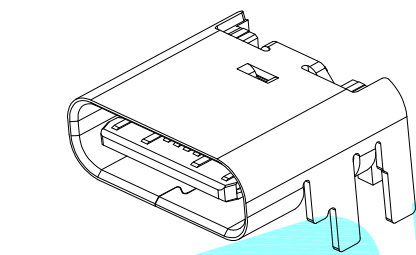


NOTE:

- 1.MATERIAL SPECIFICATION:
  - 1.HOUSING: LCP.
  - 2.CONTACTS: COPPER ALLOY
  - 3.MID PLATE: STAINLESS STEEL
  - 4.FRONT SHELL: STAINLESS STEEL
  - 5.EMI PLATE: STAINLESS STEEL
  - 6.TOP SHELL: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
  - 2-1.CONTACTS:
    - Ni 50u" MIN. UNDER PLATED OVER ALL.
    - Au 3u"PLATED ON THE FUNCTIONAL AREA OF CONTACT.
    - Au G/F PLATED ON SOLDER AREA.
  - 2-2.FRONT SHELL&TOP SHELL:
    - Ni 30u" MIN. UNDER PLATED OVER ALL.
  - 2-3.SHIELD PLATE&EMI PLATE:
- 3.MECHANICAL PERFORMANCE,
  - 3-1.INSERTION FORCE: 0.5~2.0kgf.
  - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
  - 3-3.DURABILITY: 10000 CYCLES.
- 4.ELECTRICAL PERFORMANCE,
  - 4-1. CURRENT RATING: 5.0A  
VOLTAGE RATING: 20V
  - 4-2. LLCR:
    - VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
    - SHIELD: 50mΩ/MAX.
    - LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
  - 4-3.INSULATION RESISTANCE: 100MΩ MIN
  - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
  - OPERATING TEMPERATURE: -30°C~+80°C.
  - THE PEAK TEMPERATURE ON THE BOARD SHALL



A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

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

APPROVALS			DATE		HRO 新華 ELECTRONICS CO.,LTD			
DRAWN		LIUCAN	2023.2.7		TITLE:		USB CONNECTOR	
CHECKED					PART NO.		TYPE-C-31-M-39	
APPROVALS					UNIT: mm		SCALE: 1:1	
TOLERANCES ARE		30~以上	±0.30	ANGLE	UNIT: mm		SCALE: 1:1	
		10~30	±0.25		DRAWING NO.		SHEET 1 OF 1	
		5~10	±0.20					
		~ 5	±0.15					
ECN NO.	REV.	DATE.	NEW	CHANGE.	CHECK.	APPRO.		