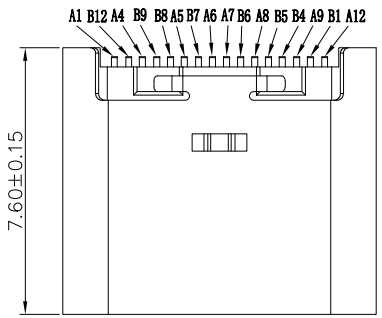
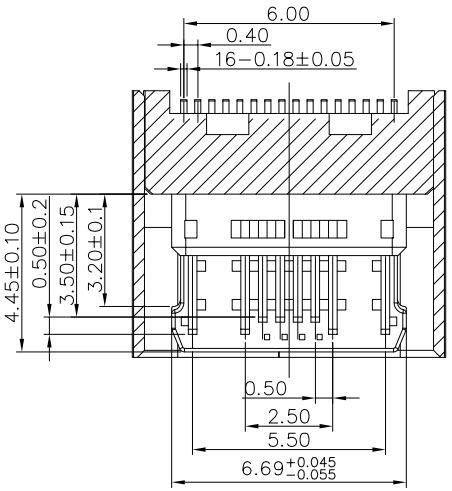
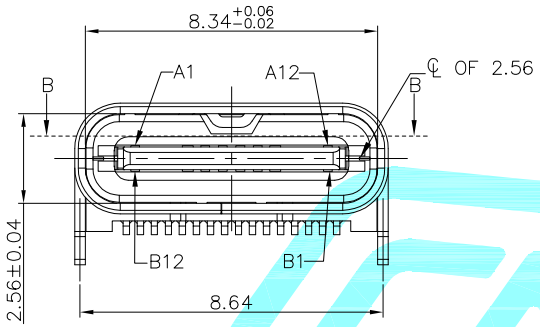
ROHS

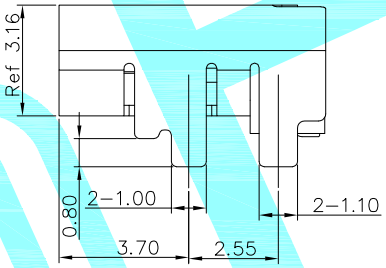
Http://www.krhro.com

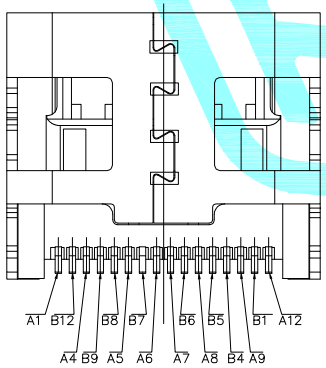




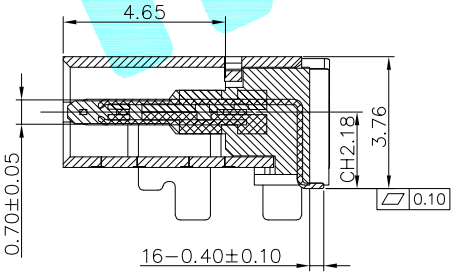
NOTE:
1.MATERIAL SPECIFICATION:
1-1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC,UL94V-0.1-2.CONTACTS: COPPER ALLOY
1-3.SHELL: STAINLESS STEEL
1-4.MID PLATE: STAINLESS STEEL
2.PLATING SPECIFICATION:
2-1.CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.(GOLD PLATING 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: 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.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



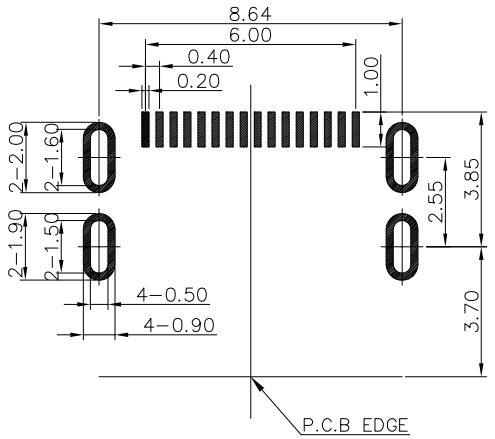




A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME



SECTION B-B
SCALE 1:1



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

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

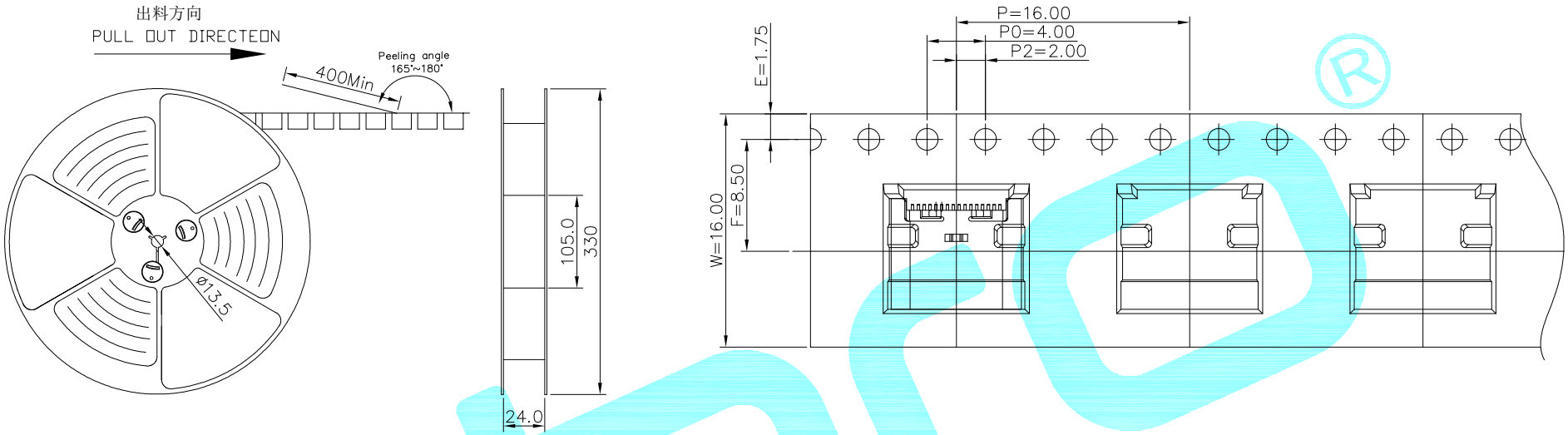
APPROVALS		DATE
DRAWN	LIANG	2026.05.12
CHECKED		
APPROVALS		

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

TITLE:	USB CONNECTOR
PART NO.	TYPE-C-31-M-59
UNIT: mm	SCALE: 1:1
DRAWING NO.	———
PROJ:	SHEET 1 OF 2

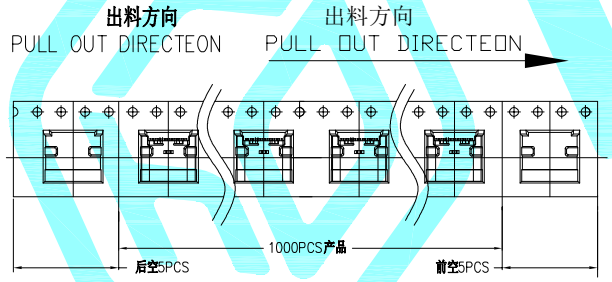
ROHS

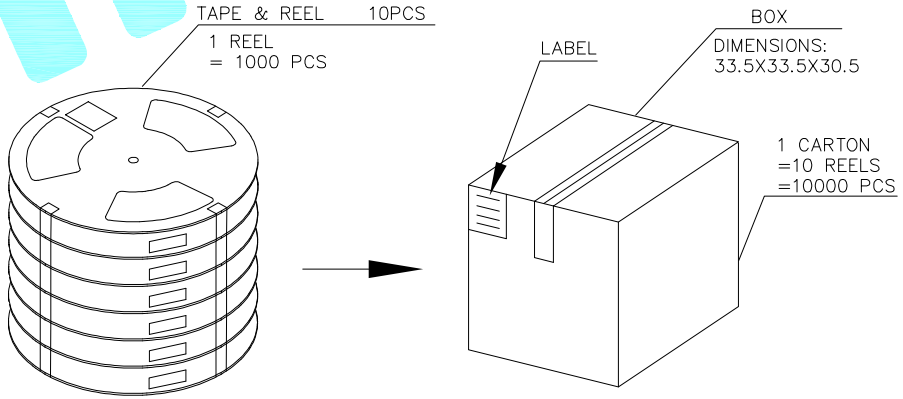
Http://www.krhro.com



NOTES

1. **带子引导长度**
LEAD TAPE LENGTH





2. 上带 剥力力为：0.1~1.3N(10.2gf~130gf)
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)
出货运输过程中一定注意：
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:
卷带在运输过程中不能散开
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION

APPROVALS		DATE	
DRAWN	LIANG	2026.05.12	hro®
CHECKED			TITLE: USB CONNECTOR
APPROVALS			PART NO. TYPE-C-31-M-59

TOLERANCES ARE			ANGLE	UNIT: mm	SCALE: 1:1	PROJ:
	30~以上	±0.30				
	10~30	±0.20				
	5~10	±0.15	±2°	DRAWING NO.	———	SHEET 2 OF 2
	~ 5	±0.10				

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