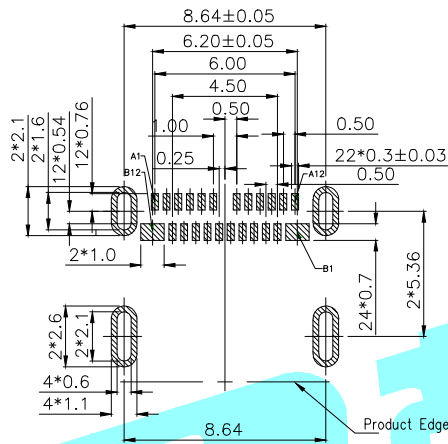
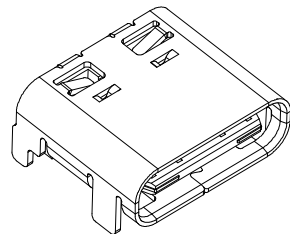
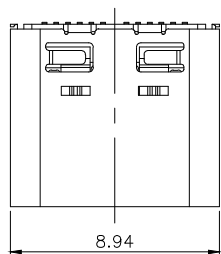
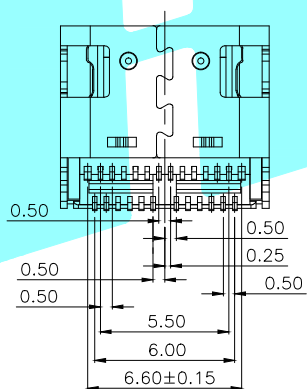
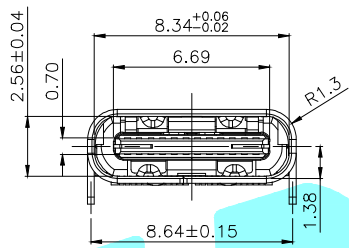
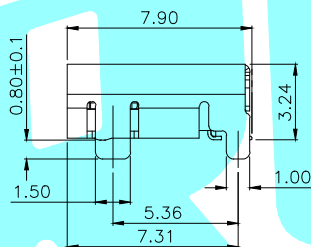


ROHS



RECOMMENDED P.C.B. LAYOUT(TOP VIEW)
TOLERANCE UNSPECIFIED ±0.05mm



NOTE:

1. MATERIALS SPECIFICATION:
 - 1-1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, WITH 30% GLASS FILLED, UL94V-0 BLACK.
 - 1-2. CONTACTS: COPPER ALLOY
 - 1-3. EMISPRING: STAINLESS STEEL
 - 1-4. FRONT SHELL: STAINLESS STEEL
 - 1-5. MIDDLE BLADE: STAINLESS STEEL
2. PLATING SPECIFICATION:
 - 2-1. CONTACTS: Ni50u"MIN. UNDERPLATED OVERALL. 1-30u"Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. Au GOLD FLASH PLATED ON SOLDER AREA.
 - 2-2. EMISPRING: CLEANING ONLY
 - 2-3. FRONT SHELL: Ni50u"MIN. UNDERPLATED OVERALL.
 - 2-4. MIDDLE BLADE: Ni50u"MIN. UNDERPLATED OVERALL. TIN 120u"Min PLATED ON SOLDER AREA.
3. MECHANICAL PERFORMANCE,
 - 3-1. INSERTION FORCE: 5~20N
 - 3-2. REMOVAL FORCE: 8~20N FROM 1 TO 1000 CYCLES, 6~20N FROM 1001 TO 10000 CYCLES
 - 3-3. DURABILITY: 10000 CYCLES.
4. ELECTRICAL PERFORMANCE,
 - 4-1. CURRENT RATING: 5.0A FOR VBUS PINS (Pin A4, A9, B4, B9) 1.25A FOR GND PINS (PINA1, A12, B1, B12) 0.25A FOR OTHER PINS (PINA1, A12, B1, B12) VOLTAGE RATING: 30V
 - 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 ~ +85°C.
6. IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

PIN ASSIGNMENT											
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

APPROVALS		DATE	HROELECTRONICS CO., LTD		
DRAWN	LIUCAN	2021.01.05	ELECTRONICS CO., LTD		
CHECKED			TITLE:	USB CONNECTOR	
APPROVALS			PART NO.	TYPE-C-31-M-30	
TOLERANCES ARE	30~以上	±0.30	ANGLE	UNIT: mm	SCALE: 1:1
	10~30	±0.25			
	5~10	±0.20			
	~ 5	±0.15	±2'	DRAWING NO.	SHEET 1 OF 1

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

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