



NOTE:

- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
 - 2.CONTACTS: COPPER ALLOY
 - 3.MID PLATE: STAINLESS STEEL
 - 4.FRONT 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)
 - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2.FRONT SHELL: SEE TABLE1.
 - 2-3.SHIELD PLATE&EMI PLATE: CLEAR ONLY
- 3.MECHANICAL PERFORMANCE,
 - 3-1.INSERTION FORCE: 0.5~2.0kgf.
 - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3.DURABILITY: 5000 CYCLES.
- 4.ELECTRICAL PERFORMANCE,
 - 4-1. CURRENT RATING: 3.0A
 - VOLTAGE RATING: 5.0V
 - 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: -25°C~+85°C.
- 6.IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

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

APPROVALS		DATE	HROELECTRONICS CO.,LTD					
DRAWN	LIUCAN	2021.01.20	TITLE:		DETECTOR SWITCHES			
CHECKED			PART NO.		TYPE-C-31-M-32			
APPROVALS			TOLERANCES ARE		ANGLE	UNIT: mm		
			30~以上	±0.30	±2'	SCALE: 1:1		
			10~30	±0.20				
			5~10	±0.15				
			~ 5	±0.10				
ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.	DRAWING NO.	SHEET 1 OF 1