



NOTE:

1.MATERIAL SPECIFICATION:

- 1.1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
- 1.2.CONTACTS: COPPER ALLOY
- 1.3.MID PLATE: STAINLESS STEEL
- 1.4.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		UNIT: mm	
			30~以上	±0.30	ANGLE	SCALE: 1:1
			10~30	±0.20		
			5~10	±0.15		
			~ 5	±0.10		
			±2'	DRAWING NO.		PROJ:
ECN NO.	REV.	DATE.	DESCRIPTION.		CHANGE.	CHECK.

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

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