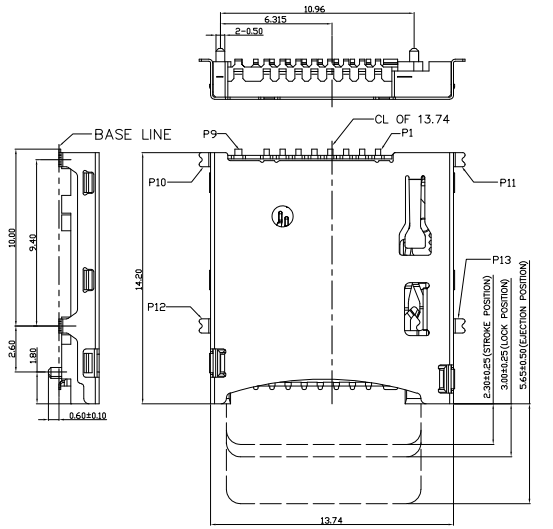
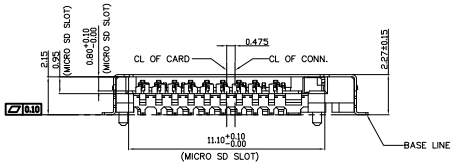
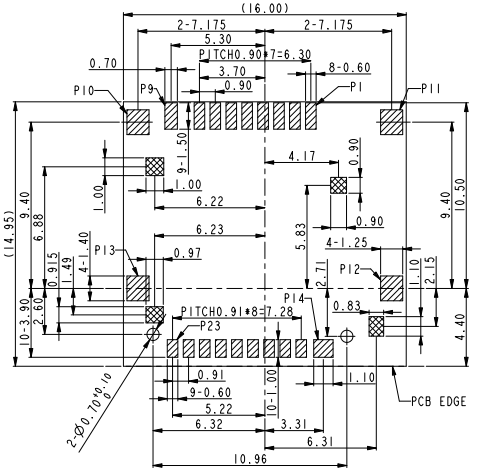
更改 REV	更改內容 MODIFICATION
A	ECXXXXX





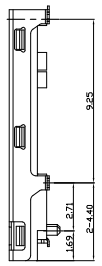


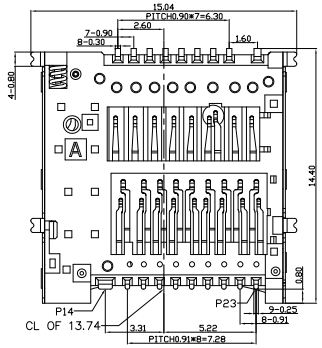
RECOMMENDED P.C.B LAYOUT
TOP VIEW(TOLERANCE+/-0.05)

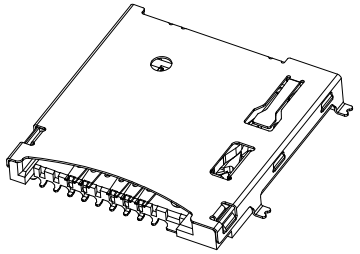
PAD AREA

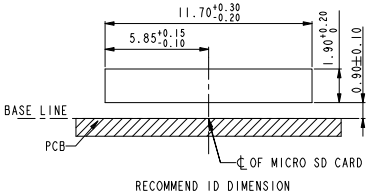
NO COMPONENT AREA(KEEP OUT AREA)

RED GLUING AREA









RECOMMEND ID DIMENSION

NOTES :
1. MATERIAL :
   1.1 HOUSING:LCP S475 UL94 V-0, BLACK COLOR.
   1.2 SHELL: Stainless Steel SUS304
   1.3 CONTACT: Copper Alloy C5210
2. FINISH :
   2.1 CONTACT: GOLD PLATED ON CONTACT AREA, GOLD FLASH ON SOLDERTAIL AREA. 50u" MIN NICKEL PLATING OVERALL.
   2.2 SHELL: 30u" MIN NICKEL PLATING OVERALL.
3. Electrical Characteristics:
   3.1 Operating voltage : 10V AC(rms)/DC.
   3.2 Current rating : 0.5 A.
   3.3 Operating Temperature: -25°C~+85°C.
   3.4 Contact resistance: 100 m ohms max.
   3.5 Insulation resistance: 1000M ohms min. at 250VDC.
   3.6 Dielectric withstanding voltage:500 VAC/1minute.

PIN ASSIGNMENT

PIN NO.	UHS-II MICRO SD CARD	MICRO SD EXPRESS CARD
P1	MICRO SD DAT2	MICRO SD DAT2/CLKREQ#
P2	MICRO SD CD/DAT3	MICRO SD CD/DAT3/PERST#
P3	MICRO SD CMD	MICRO SD CMD
P4	MICRO SD V_{DD1}	MICRO SD V_{DD1}
P5	MICRO SD CLK	MICRO SD CLK
P6	MICRO SD Vss	MICRO SD Vss
P7	MICRO SD CD	MICRO SD CD
P8	MICRO SD DAT0/RCLK+	MICRO SD DAT0/REFCLK+
P9	MICRO SD DAT1/RCLK-	MICRO SD DAT1/REFCLK-
P10	GND	GND
P11	GND	GND
P12	GND	GND
P13	GND	GND
P14	GND	GND
P15	MICRO SD V_{DD2}	MICRO SD V_{DD2}
P16	MICRO SD SWIO	MICRO SD VDD3
P17	MICRO SD Vss	MICRO SD Vss
P18	MICRO SD D0+	MICRO SD PCIe TX+
P19	MICRO SD D0-	MICRO SD PCIe TX-
P20	MICRO SD Vss	MICRO SD Vss
P21	MICRO SD D1-	MICRO SD PCIe Rx-
P22	MICRO SD D1+	MICRO SD PCIe Rx+
P23	MICRO SD Vss	MICRO SD Vss

OPENING/CLOSE OF SWITCH

	CARD DETECT SWITCH
CARD UNINSERTION	OPEN
CARD HALF INSERTION	OPEN
CARD INSERTION	CLOSE

N/O — OPEN — CLOSE (P6, P7)

GENERIAL TOLERANCE	
X.± 0.50	X.°± 5 °
.X± 0.30	.X°± 2 °
.XX± 0.20	.XX°± 1 °

KINGCONN 皇海科技股份有限公司

名 稱(TITLE): MICRO SD8.0 PUSH H:2.27mm

單 位(UNIT)	料 號(PART NO.)	圖 號(DWG NO.)
MM	7MSD8-F0-0001	7MSD8-F0-0001

審 核(APPROVAL)	核 對(CHECKED)	製 圖(DRAWN)	比 例 SCALE 1:1	張 數 SHEET 1 / 1
			投 影 PROJ.	更 改 REV A

RoHS & HF