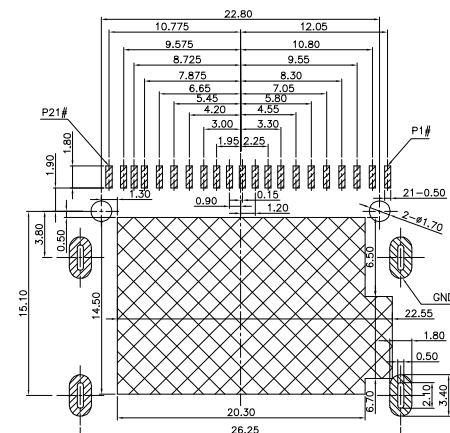
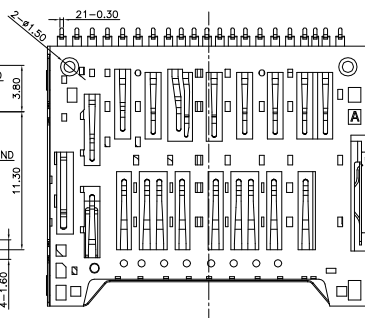
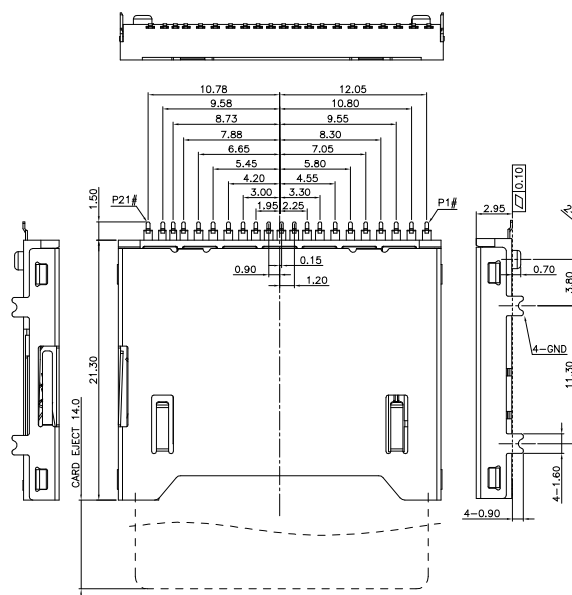


RECOMMEENDER PCB LAYOUT

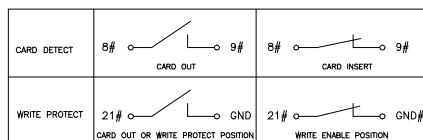
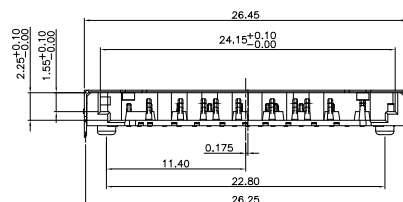
TOLERANCE UNLESS OTHERWISE IS ± 0.05

PIN DEFINE:

SD Mode			UHS- τ Mode			SD Express Mode		
PIN#	NAME	DESCRIPTION	PIN#	NAME	DESCRIPTION	PIN#	NAME	DESCRIPTION
1			1	VSS3	Supply voltage ground	1	VSS3	Supply voltage ground
2			2			2	RESERVED	Reserved Area for future pad external
3	DAT2	DATA LINE BIT2	3			3	CLKREQ#	Reference clock request signal, Also used by L1 PM sub-states
4			4	DD+	DIFFERENTIAL DATA 0+	4	PCIE TX+	
5	CD/DAT3	CARD DETECT/DATA LINE BIT3	5		NOT Used	5	PERST#	PE-Reset is a functional reset
6			6	DD-	DIFFERENTIAL DATA 0-	6	PCIE TX-	
7	CMD	COMMAND/RESPONSE	7		NOT Used	7		NOT Used
8	CD	CARD DETECT	8	CD	CARD DETECT	8	CD	CARD DETECT
9	VSS1	SUPPLY VOLTAGE GROUND	9	VSS1	Supply voltage ground	9	VSS1	Supply voltage ground
10			10	VSS4	Supply voltage ground	10	VSS4	Supply voltage ground
11			11	VDD2	Supply voltage(1.8V)	11	VDD2	Supply voltage(1.8V)
12	VDD	SUPPLY VOLTAGE	12	VDD1	Supply voltage(3.3V)	12	VDD1	Supply voltage(3.3V)
13			13	D1-	DIFFERENTIAL DATA 1-	13	PCIE RX-	
14	CLK	CLOCK	14		NOT Used	14		NOT Used
15			15	D1+	DIFFERENTIAL DATA 1+	15	PCIE RX+	
16	VSS2	SUPPLY VOLTAGE GROUND	16	VSS2	Supply voltage ground	16	VSS2	Supply voltage ground
17			17	VSS5	Supply voltage ground	17	VSS5	Supply voltage ground
18	DAT0	DATA LINE BIT0	18	RCLK+		18	REFCLK+	PCIE Ref CLOCK
19			19			19	VDD3	Supply voltage(1.2V)-TBD
20	DAT1	DATA LINE BIT1	20	RCLK-		20	REFCLK-	PCIE Ref CLOCK
21	WP	WRITE PROTECT	21	WP	WRITE PROTECT	21	WP	WRITE PROTECT

NOTES :

- NOTES:
1. MATERIAL :
 - 1.1 HOUSING:LCP UL94 V-0, BLACK COLOR.
 - 1.2 SHELL:STAINLESS STEEL SUS304.
 - 1.3 CONTACT:COPPER ALLOY C7025.
 2. FINISH :
 - 2.1 CONTACT: GOLD PLATING ON CONTACT AREA,
MATTE TIN 80u"MIN ON SOLDERTAIL AREA.
50u" MIN NICKEL PLATING OVERALL.
 - 2.2 SHELL: 30U" MIN SOLDERABLE NICKEL PLATED OVER ALL.
 3. ELECTRICAL CHARACTERISTICS:
 - 3.1 OPERATING VOLTAGE : 100V 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.



GENERAL TOLERANCE		KINGCONN	皇海科技股份有限公司	
X± 0.50	X.* 5 °			
.X± 0.30	.X.* 2 °			
.XX± 0.20	.XX.* 1 °			
		名 稱(TITLE)	SD70 NON PUSH	
單 位(UNIT)	料 號(PART NO)	圖 號(DWG NO)		
mm	7SD70-F0-0003	7SD70-F0-0003		
審 核(APPROVAL)	核 對(CHECKED)	製 圖(DRAWN)	比 例 SCALE 1:1	張 數 SHEET 1 / 1
			角 度 FOV 	更改 REV A

