
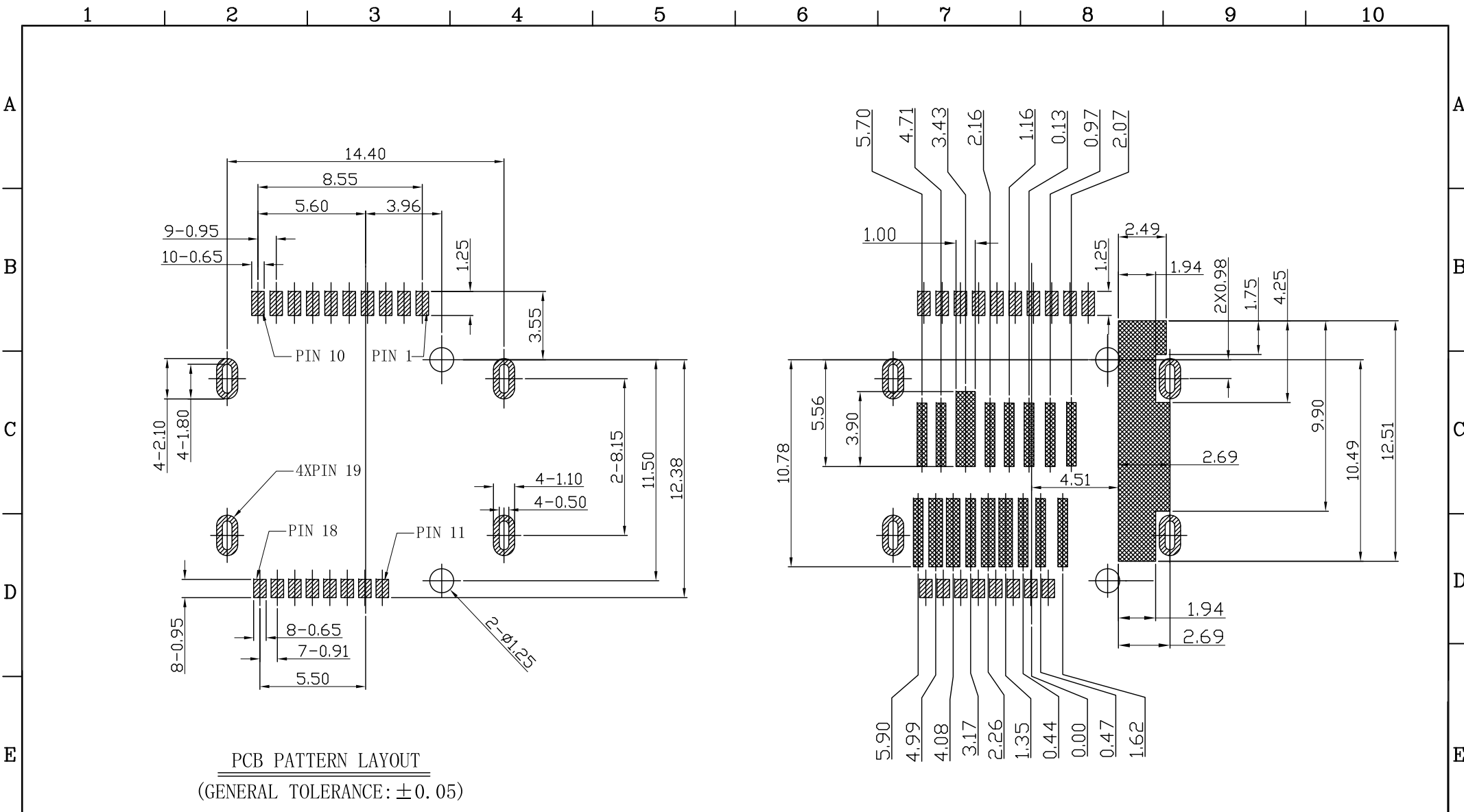




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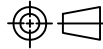
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.X ± 0.30	APPROVED: Chris	 http://www.rego.com.tw
.XX ± 0.20	CHECKED: Andy	
.XXX ± 0.15	DRAWN: Vic	
X* ± 3'		
UNITS: mm	SCALE: NONE	TITLE: Micro SD 4.0 PUSH-PUSH H:1.5mm PART NO: 9177MSD40-F00006 SHEET: 1 OF 3



PCB PATTERN LAYOUT
(GENERAL TOLERANCE: ± 0.05)

 PAD
 NO trace, NO test point
 NO via hole, NO ground area

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X* $\pm 3^*$	UNITS: mm	SCALE: NONE
		PART NO: 9177MSD40-F00006
		SHEET: 2 OF 3

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A
B
C
D
E
F

A
B
C
D
E
F

Pin Define

Connector PinNo.	MicroSD 4.0 Card Pin No.	Micro SD with UHS-II and SWIO support		
		Name	Type	Description
P1	P9	V _{DD2}	S	Supply voltage(1.8V)
P2	P1	DAT2	I/O	Data Line[Bit 2]
P3	P2	CD/DAT3	I/O	Card Detect/Data Line[Bit 3]
P4	P3	CMD	I/O	Command/Response
P5	P4	V _{DD1}	S	Supply voltage(3.3V)
P6	P5	CLK	I	Clock
P7		CD		
P8	P6	V _{SS}	S	Supply voltage ground
P9	P7	DAT0/RCLK+	I/O	Data Line[Bit 0]/RCLK+
P10	P8	DAT1/RCLK-	I/O	Data Line[Bit 1]/RCLK-
P11	P17	SWIO	I	Single Wire Protocol Interface
P12	P10	V _{SS}	S	Supply voltage ground
P13	P11	D0+	I/O	UHS-II D0+
P14	P12	D0-	I/O	UHS-II D0-
P15	P13	V _{SS}	S	Supply voltage ground
P16	P14	D1-	I/O	UHS-II D1-
P17	P15	D1+	I/O	UHS-II D1+
P18	P16	V _{SS}	S	Supply voltage ground
P19	GND		GROUND	

NOTES :

1. MATERIAL :

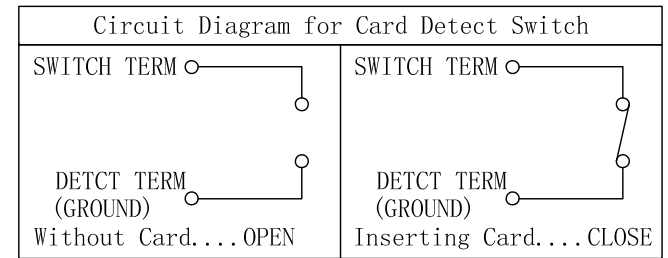
- 1.1 HOUSING:LCP UL94 V-0, BLACK COLOR.
- 1.2 SHELL: STAINLESS STEEL
- 1.3 CONTACT: COPPER ALLOY

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 NICKEL PLATING OVERALL.



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.



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