

Pin NO.	Name	Description
Pin 1	CD/DAT3	Card Detect/Date I/O
Pin 2	CMD	Command
Pin 3	VSS1	Ground
Pin 4	VDD	Power
Pin 5	CLK	Clock
Pin 6	VSS2	Ground
Pin 7	DAT0	Data I/O
Pin 8	DAT1	Data I/O
Pin 9	DAT2	Data I/O

**SPECIFICATIONS**

- General Characteristics :
  - SD Memory Card Connector
  - PUSH-PUSH Normal Type
  - Card Detect Enable, Write Protect Enable
  - Durability: 10000 Cycles Min.
  - Card Insertion/Eject Force: 1.40Kgf Max.
  - Card Withdraw Force: 0.15Kgf Min.(From The State of Card Lock)
  - Stand Off= 0 mm
- Material&Finish:
  - Housing: High Temperature Thermoplastic Glass Fibre Filled, UL94 V-0
  - Contact: Phosphor Bronze
  - Finish: Gold Flash Over Nickel.
  - Shell: Stainless Steel, Gold Plated
  - On Soldering Tails
- Electrical Characteristics:
  - Voltage Rating: 100V
  - Current Rating: 0.5A
  - Insulator Resistance: 1000 Megohms Min.
  - Contact Resistance: 80 Milliohms Max.
  - Dielectric Withstanding Voltage: AC 500V
- Resistance To Soldering Heat :
  - Wave : Not Applicable
  - Vapor Phase : 215°C, 30 Sec. Max.
  - IR Reflow : 260°C, 15 Sec. Max.
  - Manual Soldering : 360°C, 3 Sec. Max.
- Environmental Characteristics:
  - Operation Temperature: -20°C ~ +85°C.
  - Operating Humidity: 10%~95% RH
  - Storage Temperature : -20°C to +85°C
  - Storage Humidity: 10%~95% RH
- RoHS Compliant

**4UCON** 元化興業股份有限公司  
4UCON TECHNOLOGY INC.

DRAWING No. 19646

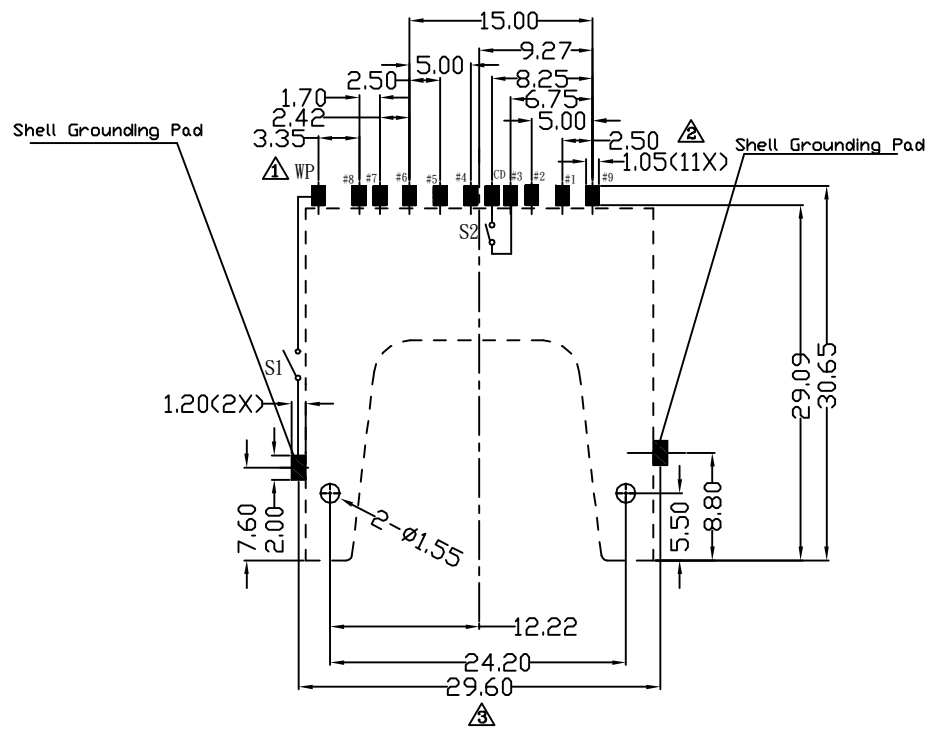
APPROVED BY VIVIAN  
CHECKED BY LYS  
DRAWING BY LYS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE  
.X ±0.38  
.XX ±0.15  
ANG.

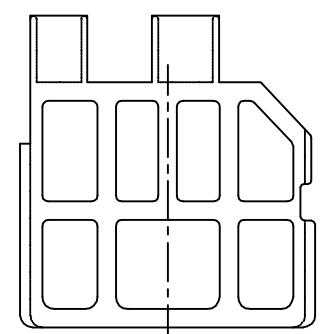
SCALE NONE REV. A4

UNIT mm

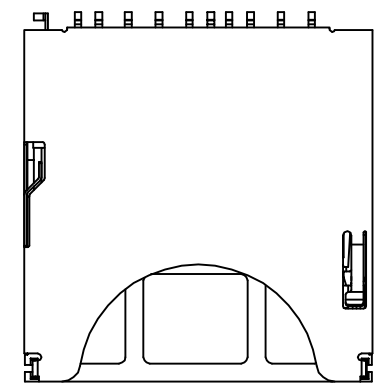
NO.	REV.	REVISIONS	CHK	DATE
△A4		Added dimension	LYS	02/10/2012
△A3		Added dimension	LYS	10/19/2010
△A2		Marked △ were changed	LYS	05/05/2010
△A1		Marked △ were changed	LYS	01/14/2010
△A0		NEW RELEASE	LYS	11/09/2009



Reference PCB Layout  
(TOLERANCES : .xx ±0.05)

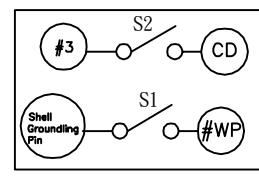


Connector's protecting card

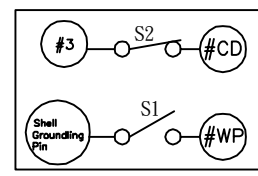


Please keep "protecting card" being inserted into connector while soldering process.

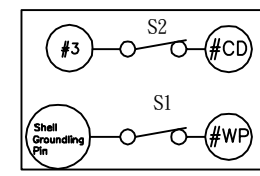
### Switches Circuit Schematic



Without Card



Card Inserted  
Write Protect:lock



Card Inserted  
Write Protect:Unlock

**4UCON** 元化興業股份有限公司  
4UCON TECHNOLOGY INC.

DRAWING No.		APPROVED BY		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE .X ±0.38 .XX ±0.15 ANG.	△ A4	Added dimension	LYS	02/10/2012
19646		VIVIAN			△ A3	Added dimension	LYS	10/19/2010
		LYS			△ A2	Marked △ were changed	LYS	05/05/2010
		DRAWING BY			△ A1	Marked △ were changed	LYS	01/14/2010
		LYS			△ A0	NEW RELEASE	LYS	11/09/2009
SCALE	NONE	REV.	A4	UNIT	NO. REV.	REVISIONS	CHK	DATE
				mm				