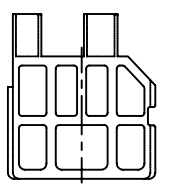
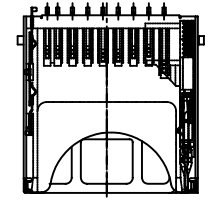


Reference PCB Layout  
(TOLERANCES : .xx ±0.05)



SD Protective Card



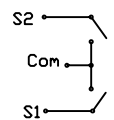
Insertion Protect Card state

Notes: Let protective card be inserted while soldering process.

SPECIFICATION

- General Characteristics :
  - SD Memory Card Connector
  - Push-push Normal Type
  - Card Detect Enable, Write Protect Enable
  - Durability: 10000 Cycles Min.
  - Card Insertion Force: 1.40Kgf Max.
  - Card Withdraw Force: 0.15Kgf Min.
  - Stand Off= 0 MM
- Material&Finish:
  - Housing: High Temperature Thermoplastic Glass  
Fibre Filled, UL94 V-0
  - Contact: Phosphor Bronze  
Finish: Gold Plated Over Nickel on contact area.  
Tin Plate Over Nickel On Solder Tails
  - Shell: Stainless Steel
- Electrical Characteristics:
  - Voltage Rating: 100V
  - Current Rating: 0.5A
  - Insulator Resistance: 1000M Ohms Min.
  - Contact Resistance: 80 Milli-Ohms Max.
  - Dielectric Withstanding Voltage: AC 500V
- Solderability
  - Wave : not applicable
  - Vapor phase : 215°C, 30 sec. max.
  - IR reflow : 230°C, 15 sec. max.
  - Manual soldering : 360°, 3sec. max.
- Environmenta Characteristics:
  - Operation Temperature: -20°C~+85°C.
  - Operating Humidity:10%~95% RH
  - Storage temperature : -20°C to +85°C
  - Storage Humidity:10%~95% RH

Switches Circuit Schematic



Switch Position	Switches Effect	
	S1 (Write Protect)	S2 (Card Detect)
Open	Lock	Card Insertion
Close	Unlock	Card Insertion

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

DRAWING No. 14446  
APPROVED BY MEI  
CHECKED BY LHC  
DRAWING BY TONY 07/26/2005

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE  
.X ±0.38  
.XX ±0.25  
ANG.

SCALE NONE REV. A0 UNIT mm

NO.REV. A0 NEW RELEASE TONY 07/26/2005  
REVISIONS CHK DATE