

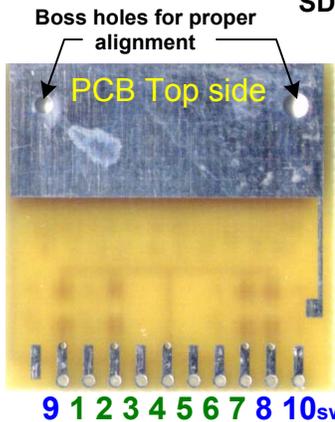
# SD9\_Alps

SD (SecureDigital) card / MMC (MultiMedia Card) adapter for prototyping configured for SPI mode operation



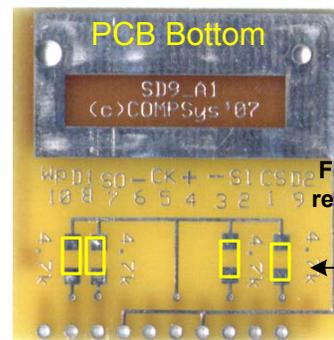
SD and MMC cards are low voltage 3.3v devices.

SD and MMC adapter shown assembled (SD card not included in the kit)



SD 10 pin socket. This socket will also accept MMC cards. Green color pin numbers are used with MMC cards

SPI Mode Pin Configuration



Four 4.7k or 10k pull-up resistors (1206 smd size)

Card Sense pin (sw) is GND when a card is inserted

NOTE: Pins 8 and 9 (DAT1 and DAT2) are not used but have pull-up resistors installed

sw D1 SO Gnd CK 3.3v+ Gnd SI SS D2

## Pins

9 1 2 3 4 5 6 7 8 10sw  
Dat2 SS SI Gnd V+ CK Gnd SO Dat1 Sw (card sense switch)

## Assembly Notes

Use a fine point low wattage (15-20w) soldering iron when soldering. Use only very small amounts of solder. Carefully align the socket pins with the pads on the pcb and seat the SD card so that the two bosses on the back side of the card seat in the pcb holes. Solder the smd resistors carefully. SD and MMC cards are 2.7 - 3.6v devices and will not work with higher voltages.

## Disclaimer and Terms of Agreement

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