



SD CARD PIN DESIGN			
Pin#	Name	Type	Card Detect/ Data Line[Bits]
1	CD/DAT3	I/O/PP	Command/Response
2	CMD	PP	Supply voltage
3	Vss1	S	Supply voltage ground
4	VDD	S	Supply voltage
5	CLK	I	Clock
6	Vss2	S	Supply voltage ground
7	DAT0	I/O/PP	Date Line [Bit0]
8	DAT1	I/O/PP	Date Line [Bit1]
9	DAT2	I/O/PP	Date Line [Bit2]

- *Electrical Characteristics:
Contact Current Rating:0.5 Amperes.
Dielectric Withstanding Voltage:AC500V r.m.s.
Insulation Resistance:1000 MΩ Minimum.
Contact Resistance:100 mΩ Maximum.
- *Environmental:
Operating Temperature:-25°C~+90°C.
- *Environmental:
Mating Cycles:5000~10,000 Insertions.
- *Mechanical Characteristics:
Card Push Insertion/Out Force:1.4kgf. MAX
Contact Separation Force:0.20kgf Minimum.
- *Material:
Insulator:HI-Temp Plastic UL 94V-0 Rated.
Contact:Copper Alloy(t=0.15mm).
Shell:Stainless Steel(t=0.20mm).
Spring:SWP.
- *Plating:
Contact:Contact area:gold plate over Ni.
Solder area:pure TIN plate over Ni.
Shell:Ni

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TOLERANCE: XX ±0.30 XXX ±0.25 XXXX ±0.15 X° ±2° X.X° ±0.5°	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: SD PUSH 定位片向内
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HVC48-SD11-270 MOLD NO.
UNIT: mm [inch] SCALE:1:1 SIZE: A4	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HVC-2606251516 SHEET NO. 1 OF 1