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Compal Confidential

ECQ60 5 in 1 (MS/SD/MMC/SM/XD) Schematics Document

SMSC USB2224-NE-02

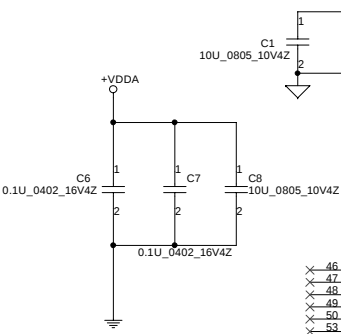
2004-06-11

REV: 1.0

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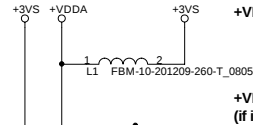
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Title			
SCHEMATIC, 5IN1/B LS-2271			
Size	Document Number		Rev
Custom	405753		A
Date:	~P 星期四, 八月 26, 2004		Sheet 1 of 3
		E	

+VDDCORE : 1.8V digital core power
(if internal 1.8v regulator is enabled)

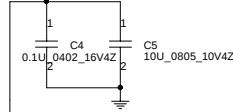


Place 0.1uF and 10uF
bypass capacitors as
close as possible to
associated power pin .

+VDDA : 3.3V analog power



+VDDP : 1.8V analog power
(if internal 1.8v regulator is enabled)

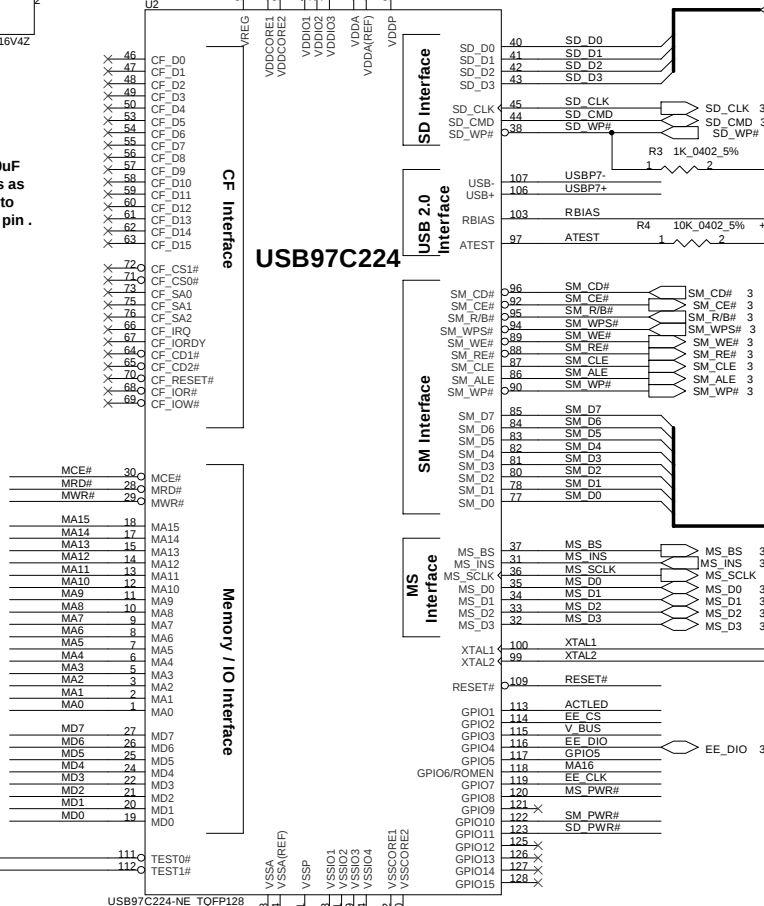


USB2224_02(maskrom V323)

GPIO	FUNCTION
1	Media Activity LED
4	EEPROM DIO / XD Card Identification
5	SD Card Detect

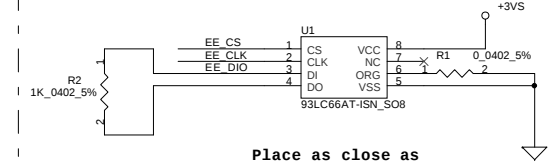
Pin 97 : ATEST
connect to +VDDA -> enable internal 1.8v regulator
connect to VSSA -> disable internal 1.8v regulator

USB97C224



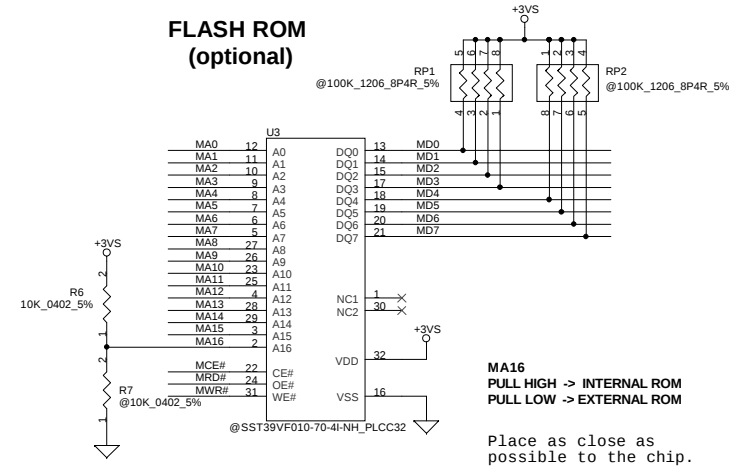
Place as close as
possible to the chip.

EEPROM
4K / 8bit



Place as close as
possible to the chip.

FLASH ROM
(optional)



MA16
PULL HIGH -> INTERNAL ROM
PULL LOW -> EXTERNAL ROM

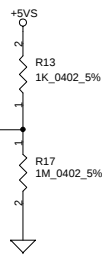
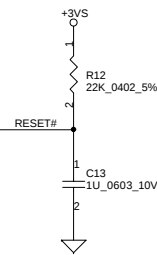
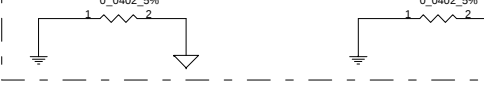
Place as close as
possible to the chip.

For USB2224-NE-02

USB2224-NE-02

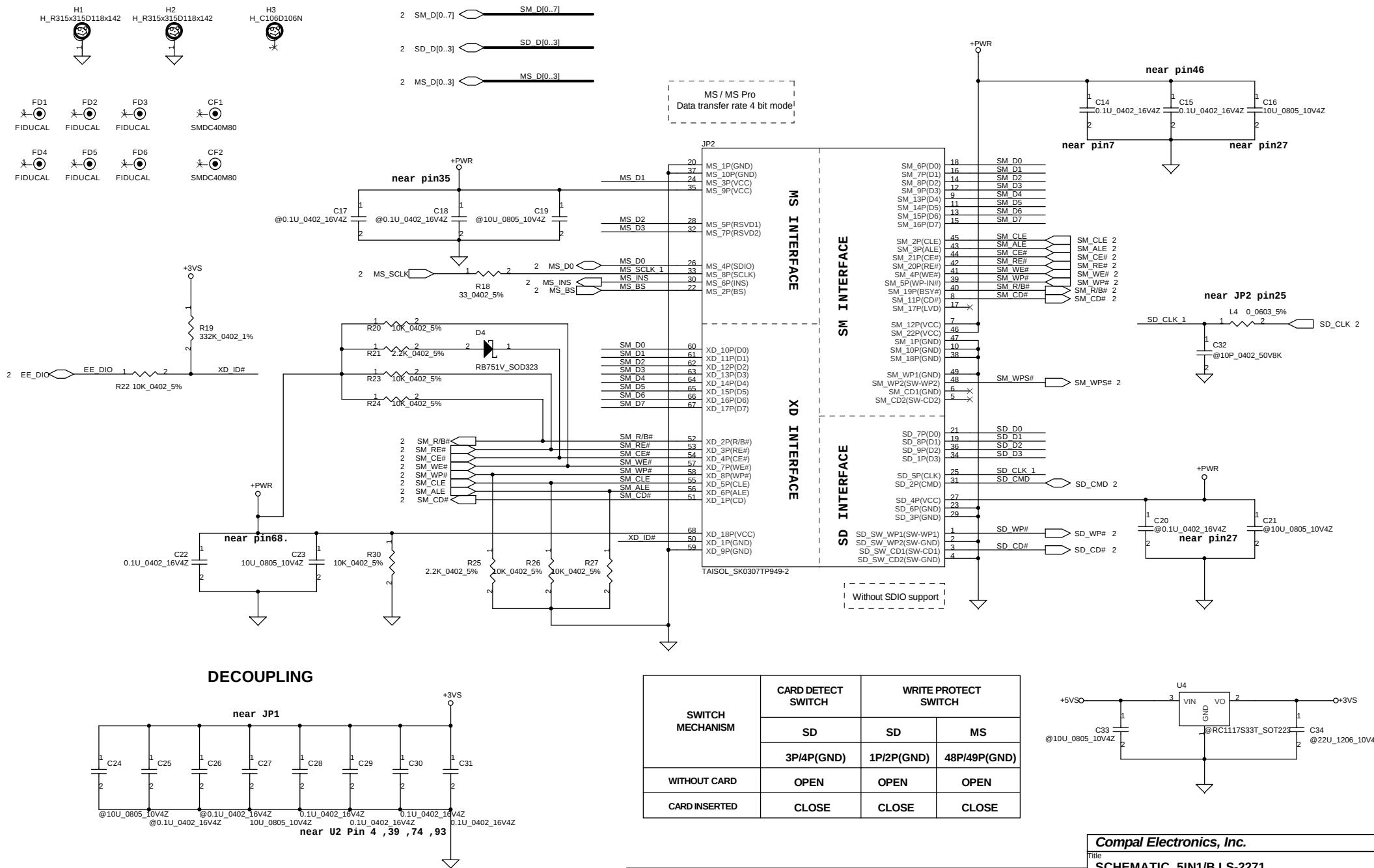
USB97C223/4-NE (Pin111 , Pin112 NC)

Connect Ground planes
using a moating
technique for filtering
noise.

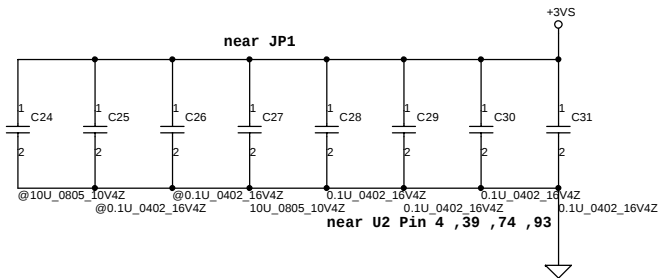


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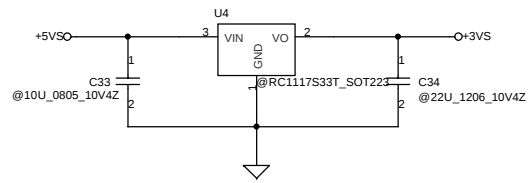
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DECOUPLING



SWITCH MECHANISM	CARD DETECT SWITCH	WRITE PROTECT SWITCH	
	SD	SD	MS
	3P/4P(GND)	1P/2P(GND)	48P/49P(GND)
WITHOUT CARD	OPEN	OPEN	OPEN
CARD INSERTED	CLOSE	CLOSE	CLOSE



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