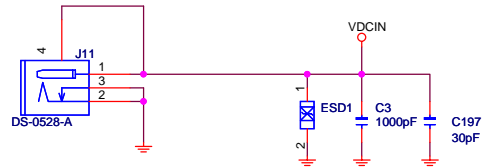
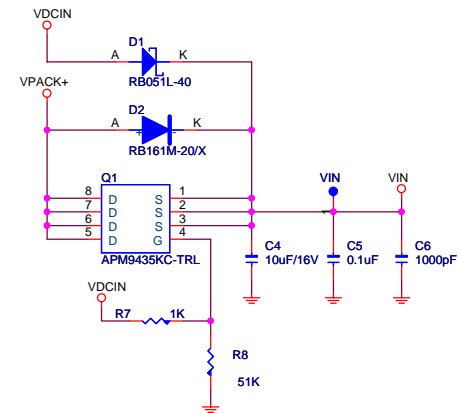


DC and Battery

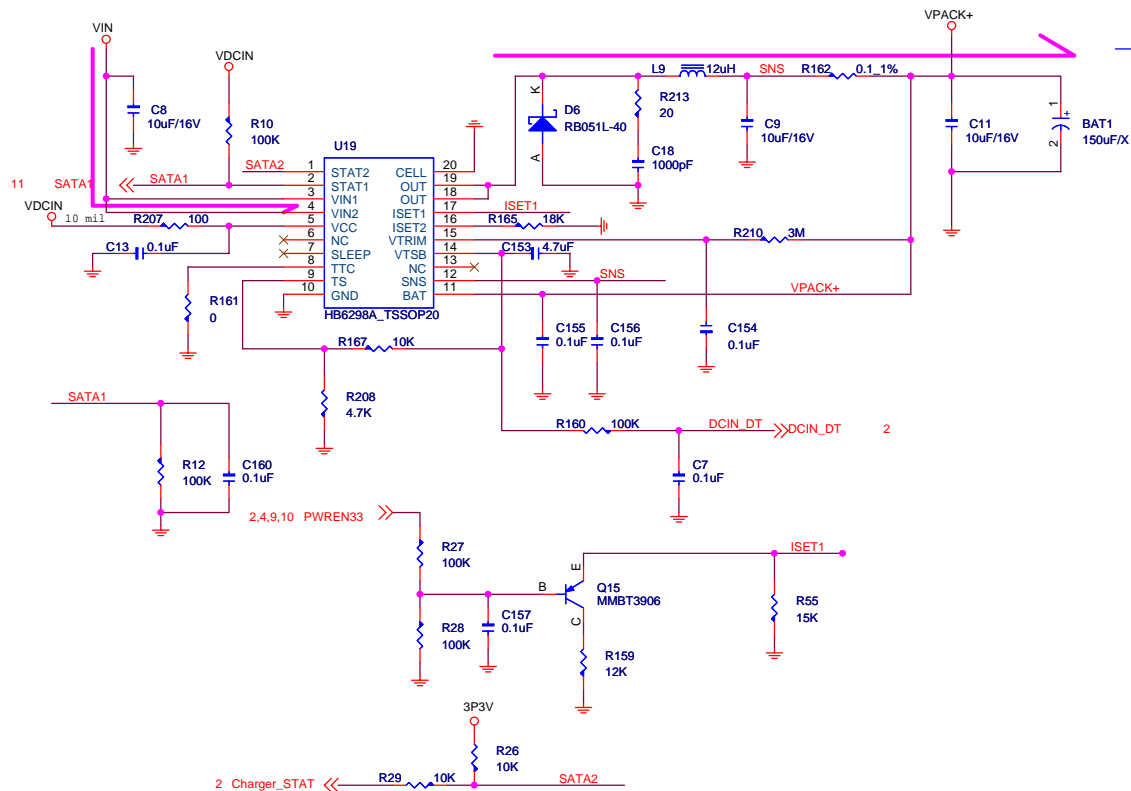
9V DC Input 1.5A



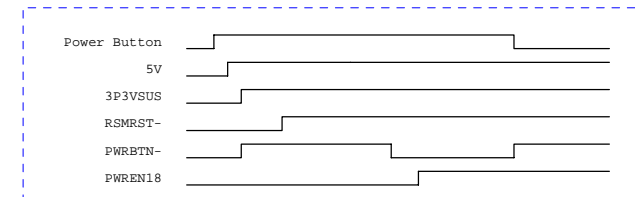
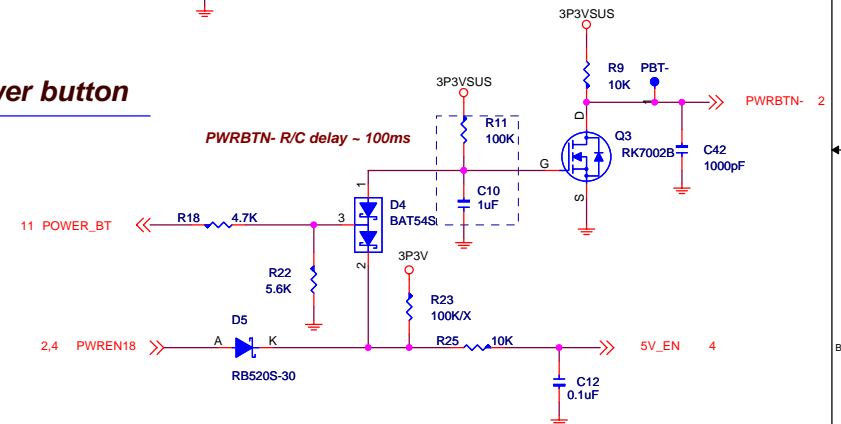
DC Switch



Battery charger 2-Cell



Power button

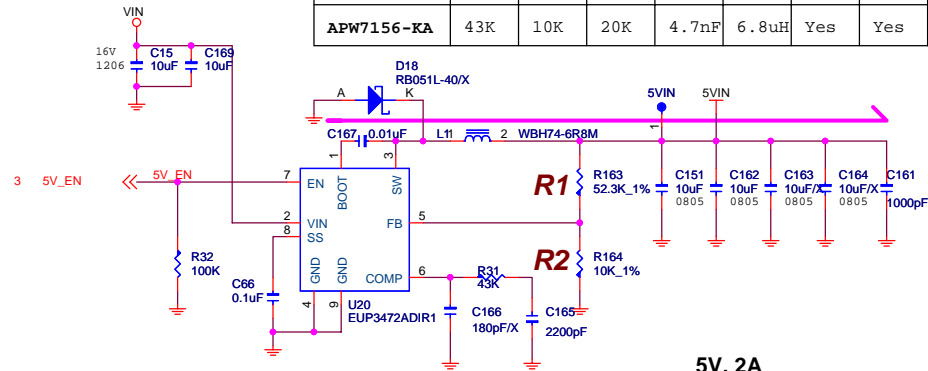


Voltage Regulators

VIN -> 5VIN , 1.5A

Replacement:

U20	R163	R164	R168	C146	L2	D6	C96	C99	
RT8272GSP	43K	10K	41K	2.2nF	6.8uH	Yes	Yes	Yes	3A
LP6482-ASOF	43K	10K	2.2K	3.3nF	10uH	NA	Yes	Yes	2A
APW7156-KA	43K	10K	20K	4.7nF	6.8uH	Yes	Yes	Yes	3A

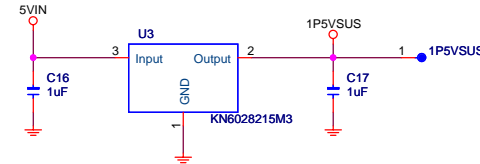


5V, 2A

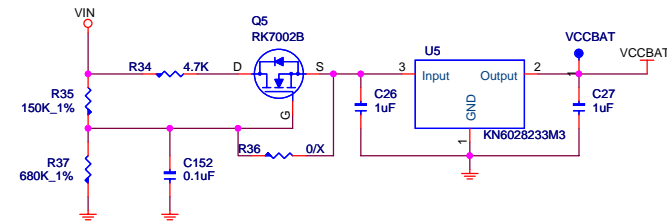
$$V_{out} = 0.8 * (1 + R1/R2)$$

$$0.8 * (1 + 52.3/10) = 4.98V$$

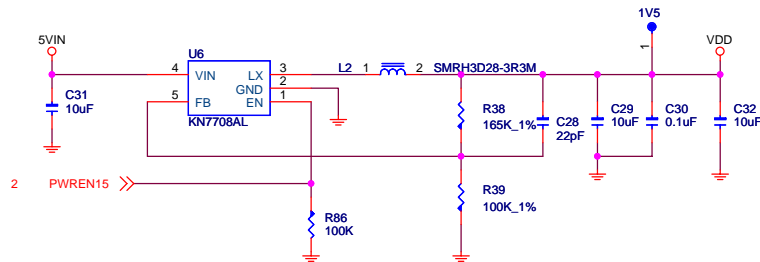
VIN->1P5VSUS 10mA



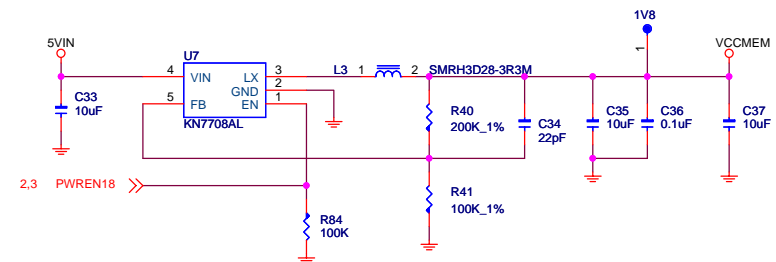
VIN->VCCBAT 3.3V 10uA



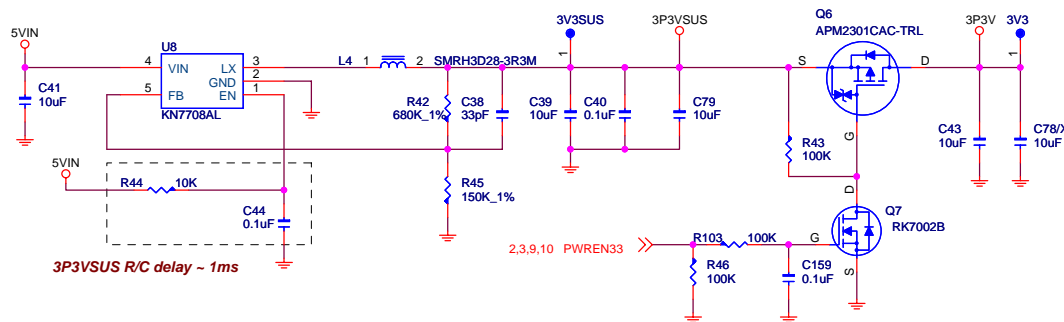
5V->VDD 1.6V 700mA



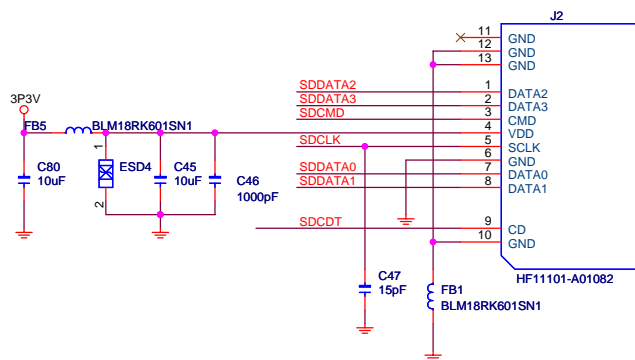
5V->VCCMEM 1.8V 700mA



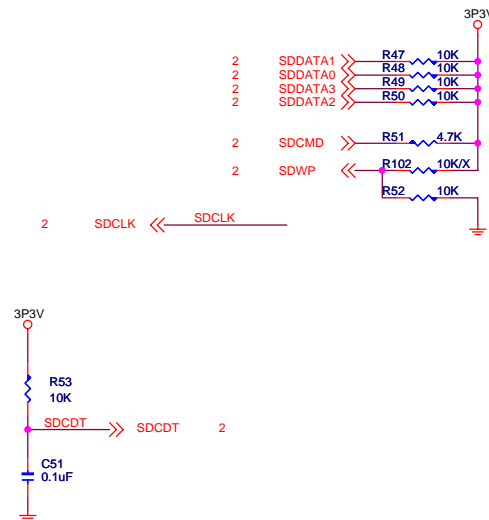
5V->3.3V 700mA



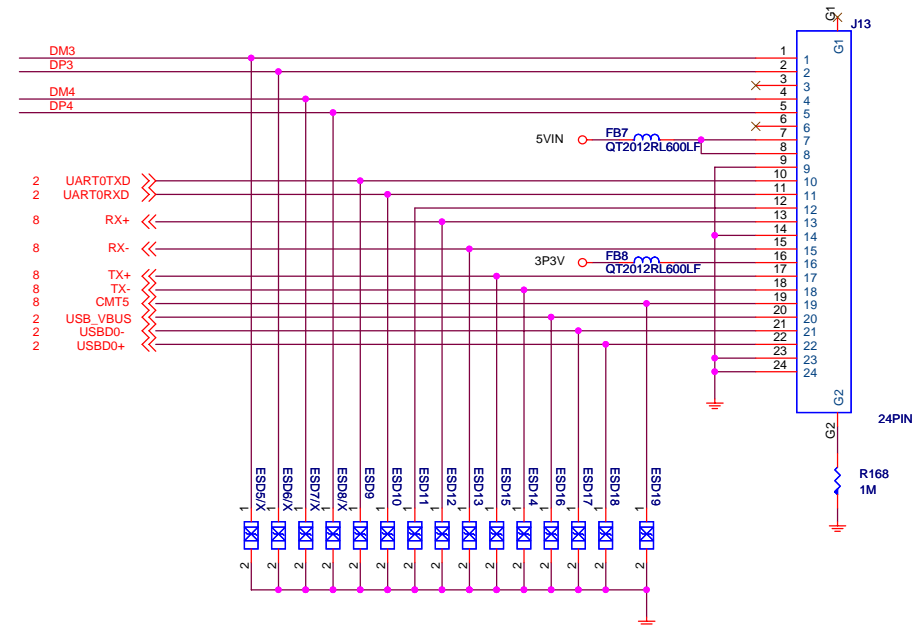
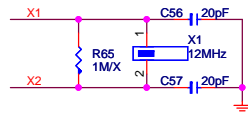
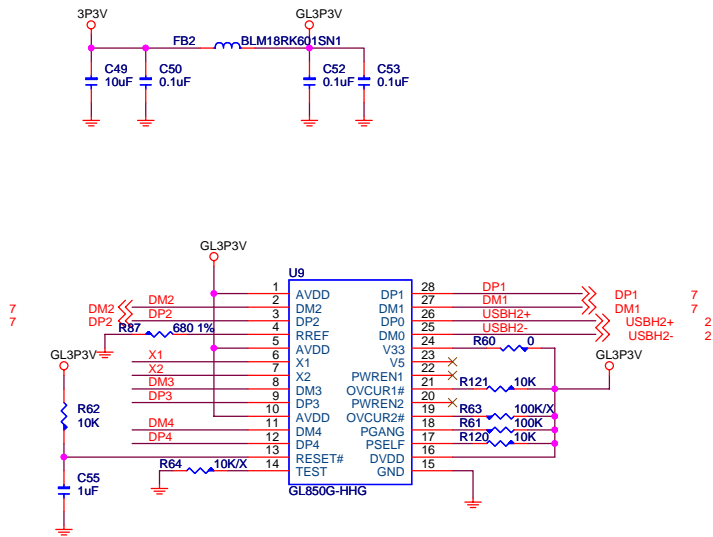
MicroSD Socket



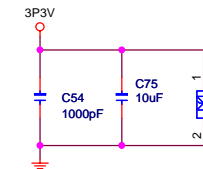
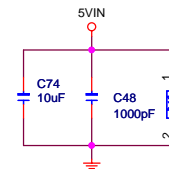
PU Resistors:



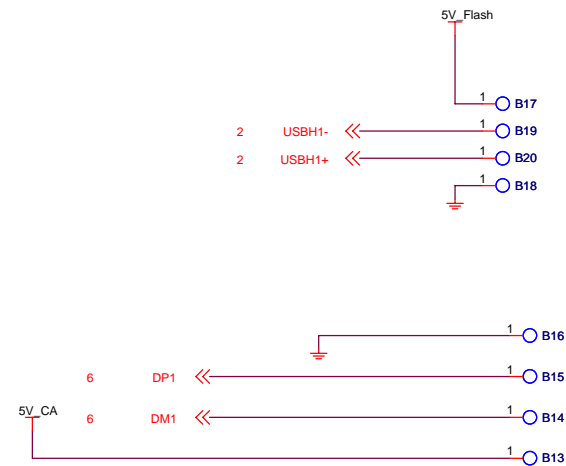
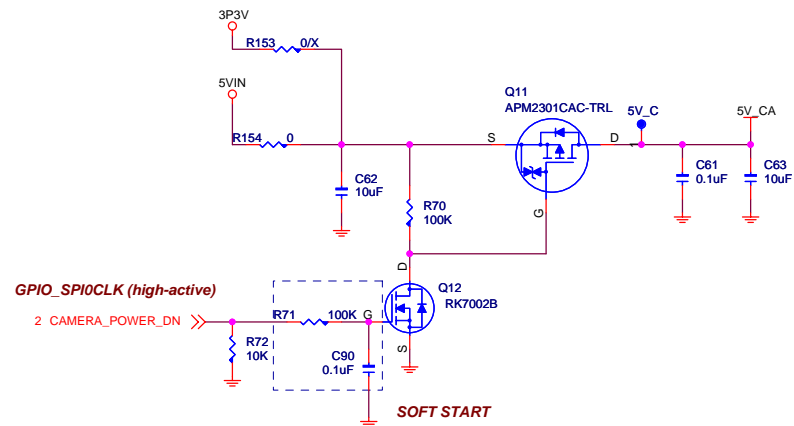
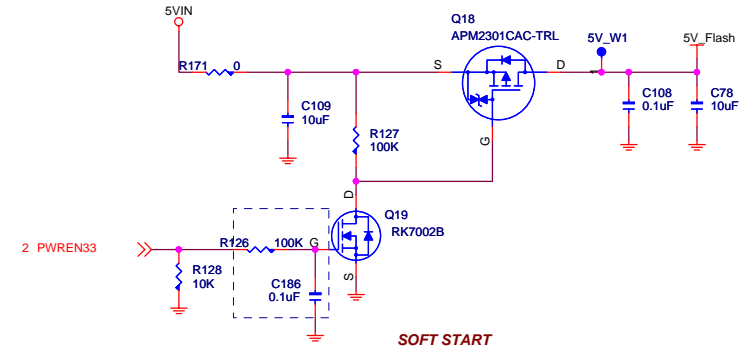
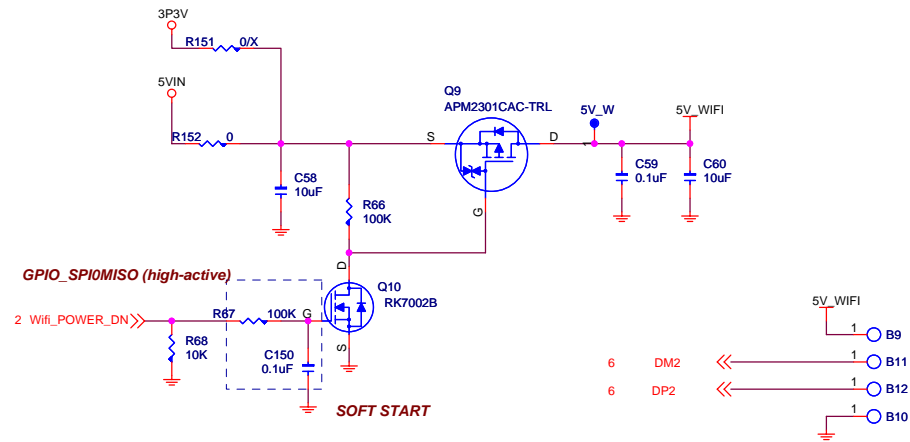
USB HUB/24pin CONN



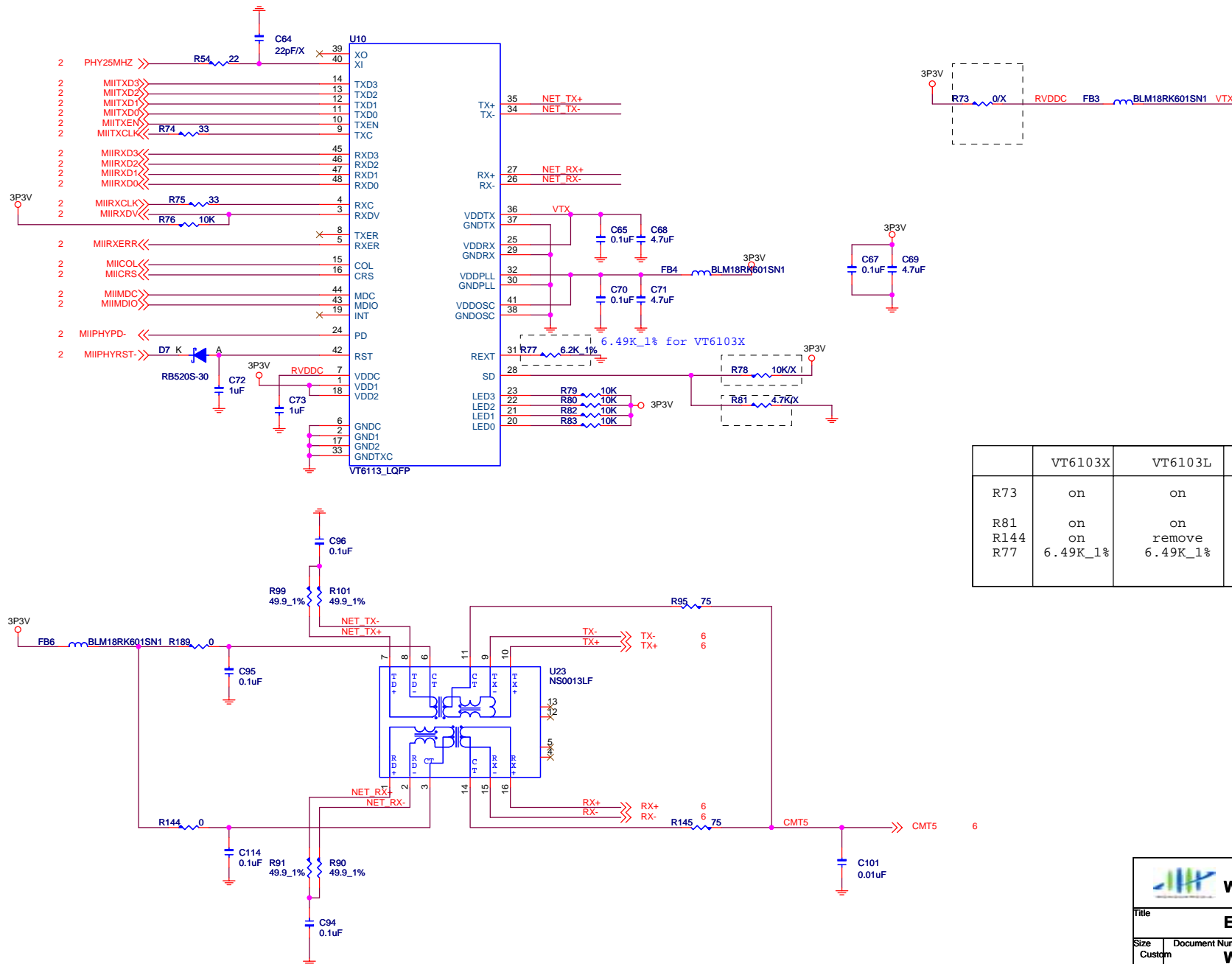
ESD5, ESD6, ESD7, ESD8 default to unmount

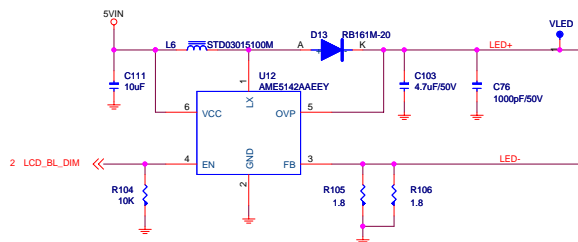
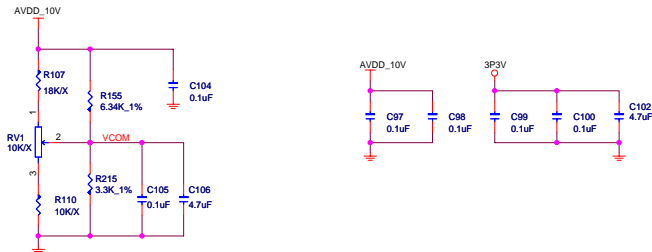
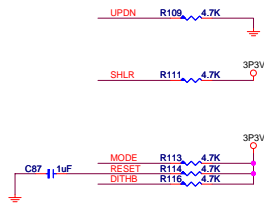
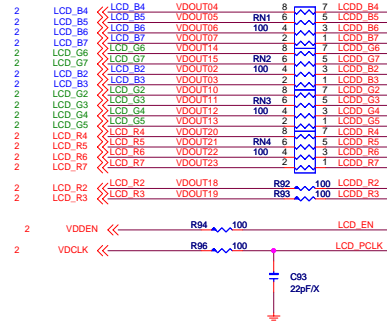


USB WiFi/CAMERA

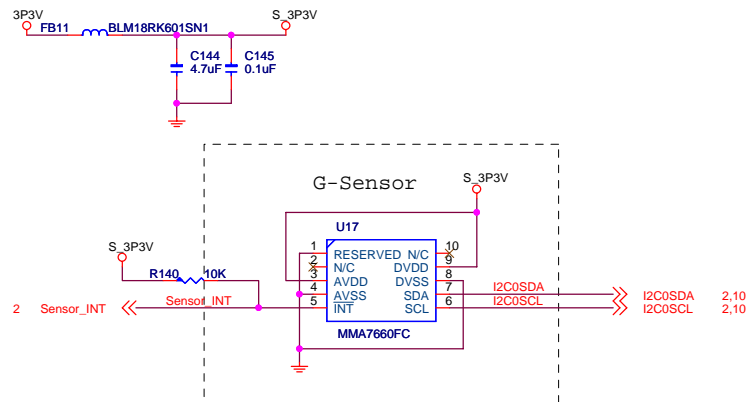


Ethernet PHY

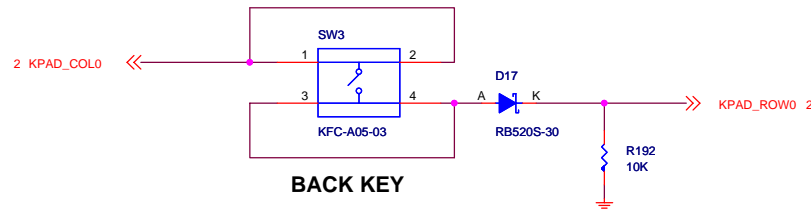
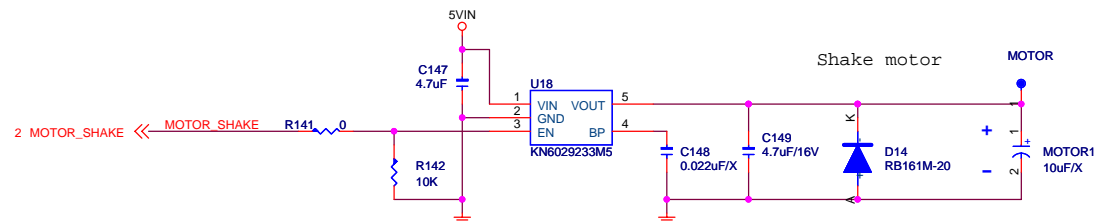
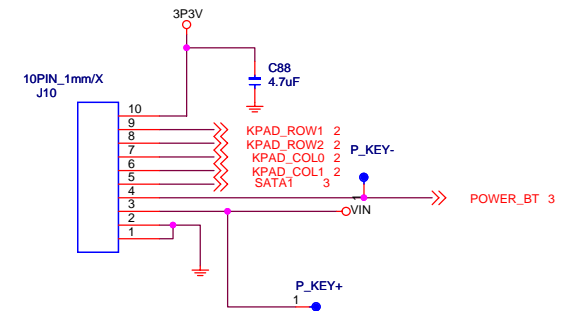




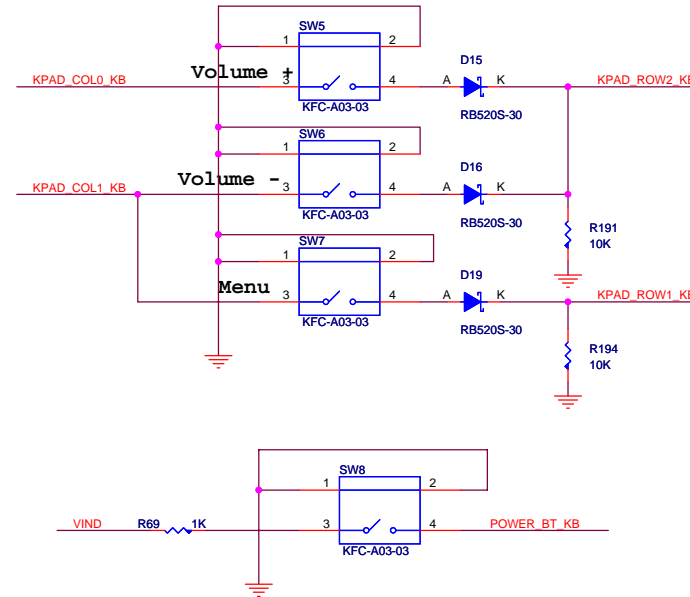
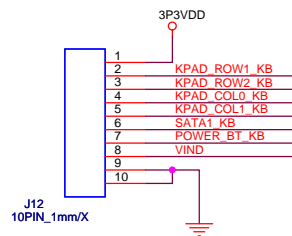
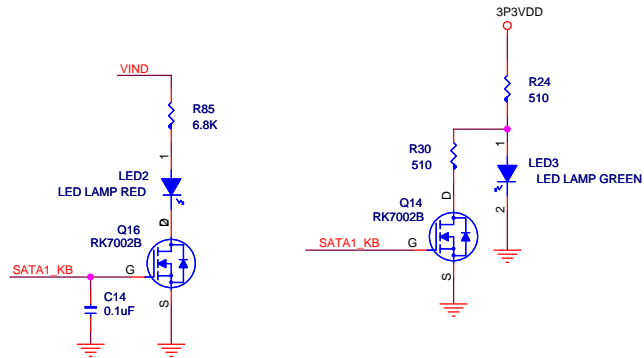
G-Sensor & Shake



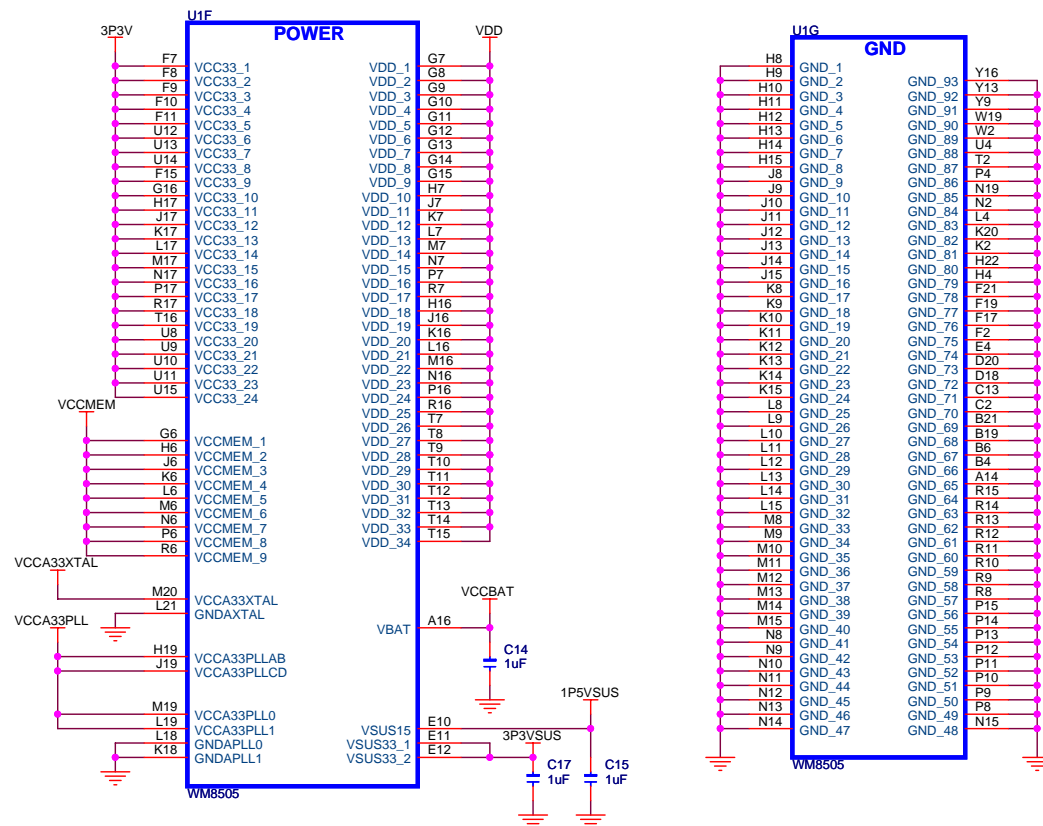
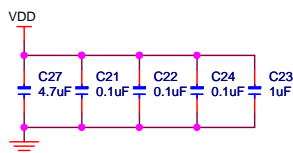
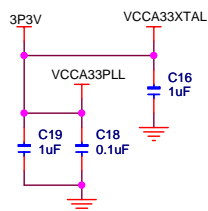
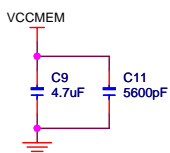
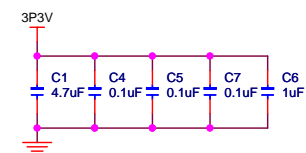
摆放时务必注意G-Sensodr在背对屏幕那面，第一PIN朝屏幕左上角



Keypad board



PART: F+G



WonderMedia Technologies, Inc.

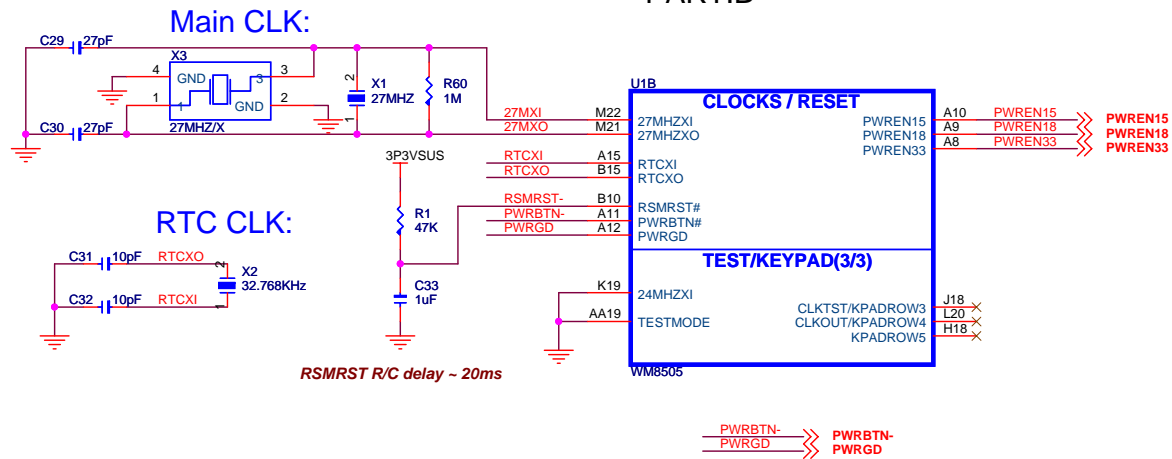
Title	WM8505: Power / Ground
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Size	Document Number	Rev
Custom	WMS8060B4	1.0

Date: Tuesday, July 20, 2010 Sheet 2 of 14

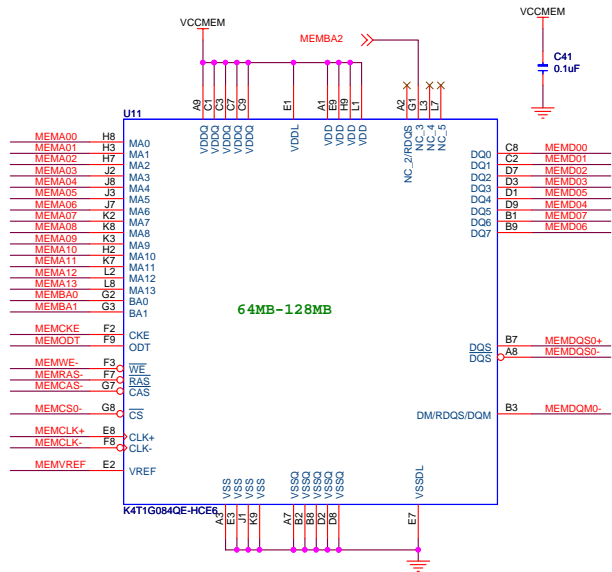
CLOCK + RESET + PMC

PART:B

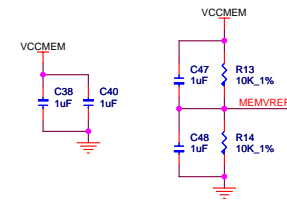
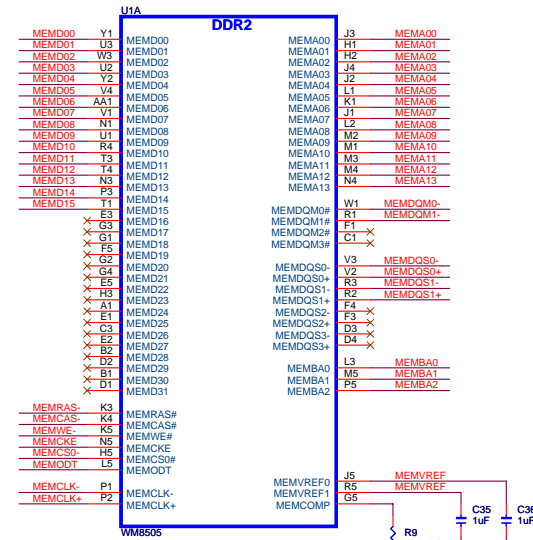
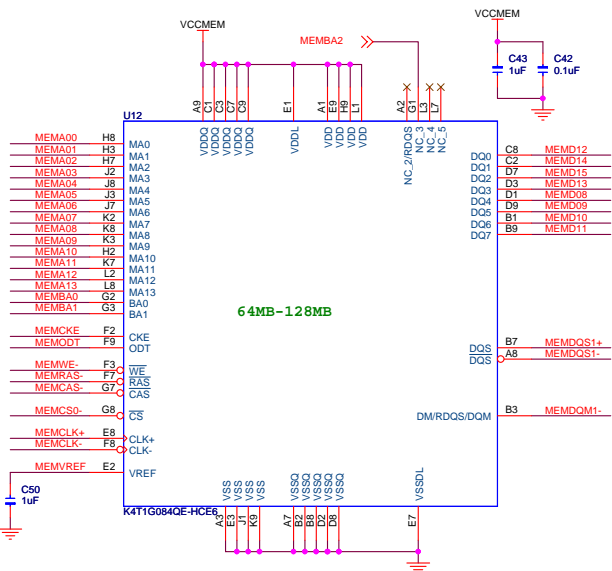


WM8505: DDR2 SDRAM

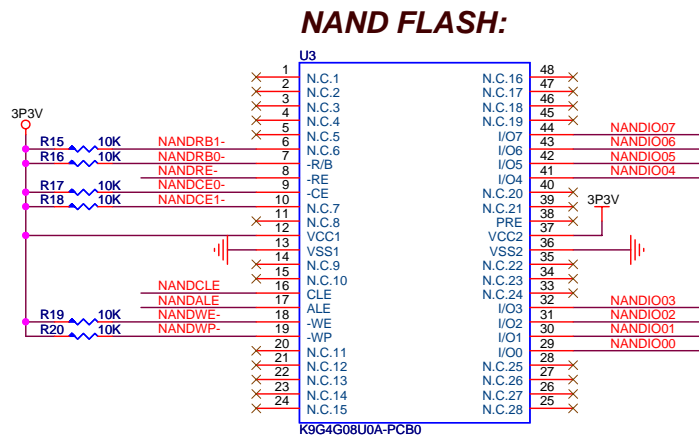
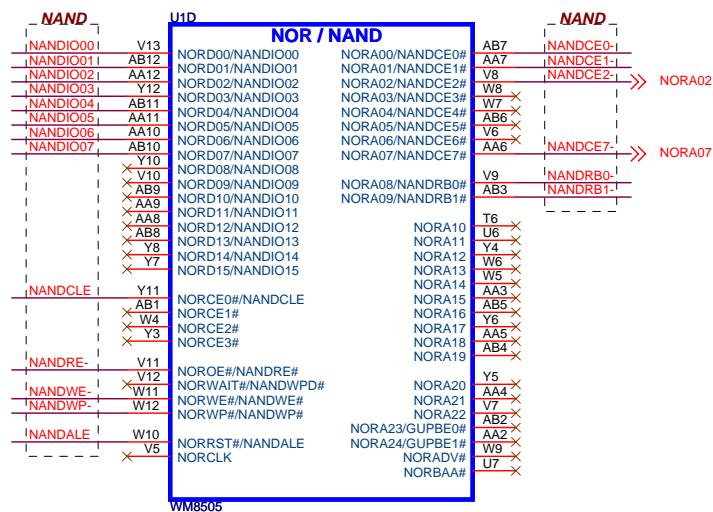
PART: A



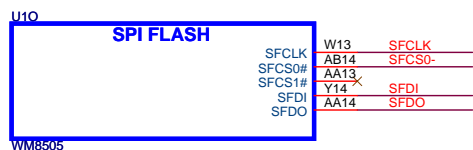
MEMCLK+ R5 120.1% MEMCLK-



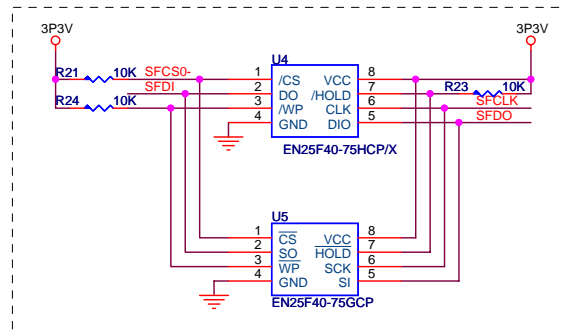
PART: D



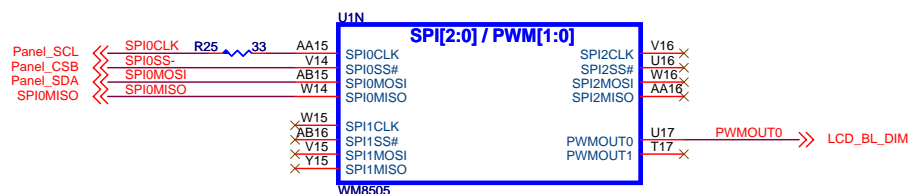
PART: O



8 pins package (co-lay)

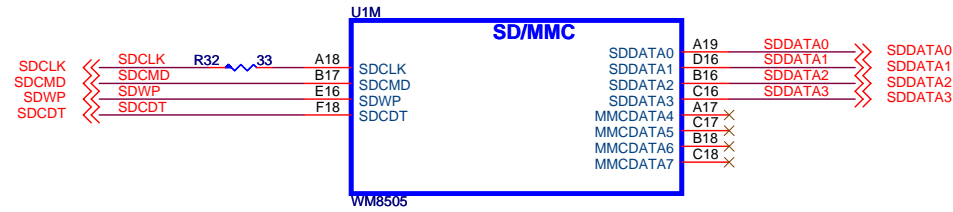


PART: N



WM8505: SD / MMC

PART: M



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Title
WM8505: SD/MMC

Size Custom	Document Number WMS8060B4	Rev 1.0
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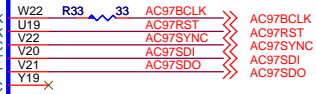
WM8505: AC97

PART: I

U11

AC97/ I2S

AC97BCLK/I2SDACBCLK
AC97RST#/I2SDACMCLK
AC97SYNC/I2SDACLRC
AC97SDI/I2SADCDAT
AC97SDO/I2SDACDAT
RESETOUT#/I2SADCLRC



WM8505

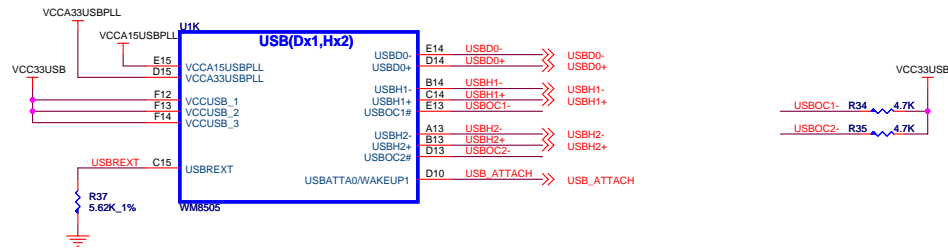


WonderMedia Technologies, Inc.

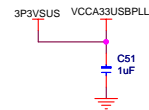
Title			WM8505: AC97
Size	Document Number		Rev
Custom	WMS8060B4		1.0
Date:	Tuesday, July 20, 2010	Sheet	7 of 14

WM8505: USB (HOST+DEVICE)

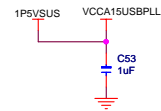
PART: K



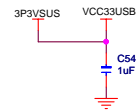
VCCA33USBPLL (suspend power)



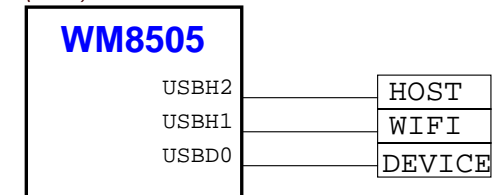
VCCA15USBPLL (suspend power)



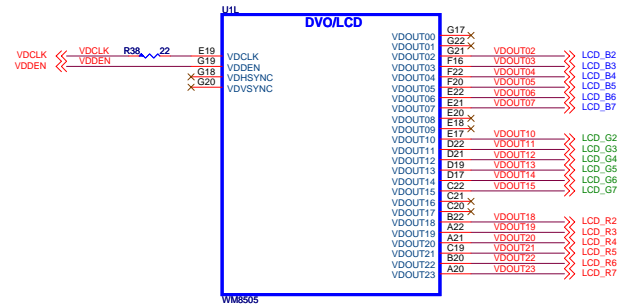
VCC33USB (suspend power)



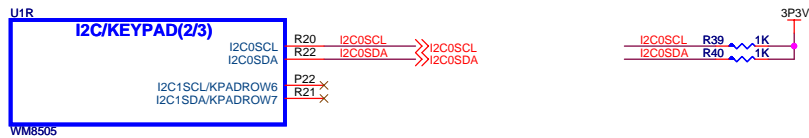
(USBH2) to USB A TYPE HOST single right-angle connector.
(USBH1) to WiFi miniCard connector
(USB00) to USB mini-B connector.



WM8510: DVO / LCD
PART: L



WM8505: I2C / KEYPAD
PART: R

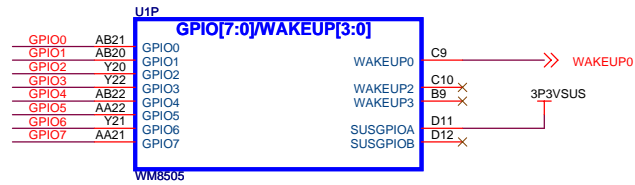


WM8505: VDIN / CMOS / KEYPAD
PART: J



WM8505: GPIO+STRAPPING+WAKEUP

PART: P



*** IMPORTANT: If IO board not use GPIO, please connect GND;**

GPIO Pins: Function:

GPIO0	DCIN Detect
GPIO1	Charging Status
GPIO2	Wifi_POWER_DN
GPIO3	AC97/I2S Amp ShutDown/Mute GPIO:
GPIO4	Battery Detect
GPIO5	Reserved
GPIO6	Reserved
GPIO7	SD Card Power

USB2 to WiFi Module:

GPIO2 >> Wifi_POWER_DN

Mute GPIO:

GPIO3 >> MuteGPIO

Battery Detect:

GPIO4 >> BAT_DT

DCIN Detect:

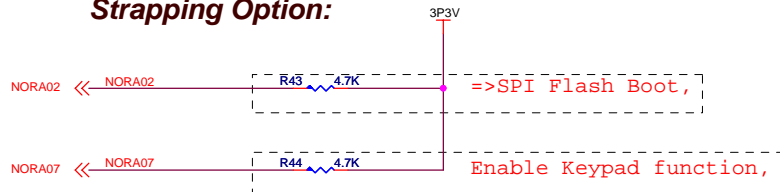
GPIO0 >> DCIN

Charging Status:

GPIO1 >> Charger_STAT

GPIO5 >> GPIO5
GPIO6 >> GPIO6
GPIO7 >> GPIO7

Strapping Option:



*** Note: If IO board not use Keypad, please connect KPAD_ROW0~KPAD_ROW2 to GND.**

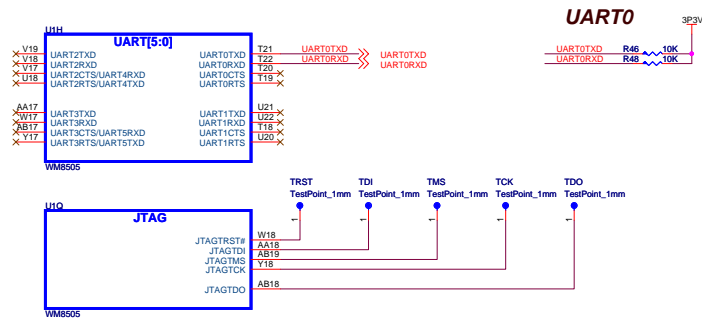
STRAPPING TABLE:

PIN_NAME	RS	ON/OFF	Internal	DESCRIPTIONS
NORA[2:1]	R221, R109	PD, PD		NOR Boot
		ON-OFF		=>SPI Flash Boot,
NORA7	R118	PD		Disable Keypad function, default N.C.
		ON		=>Enable Keypad function,

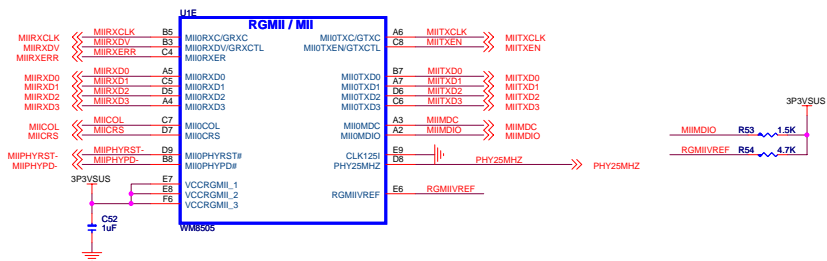
WARNING:

ALL others strappings not listed above recommend to use internal settings as default. Otherwise un-expected results may encounter.

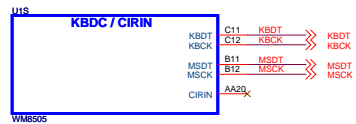
PART: H+Q



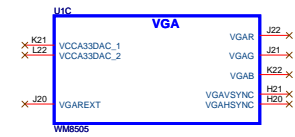
PART: E

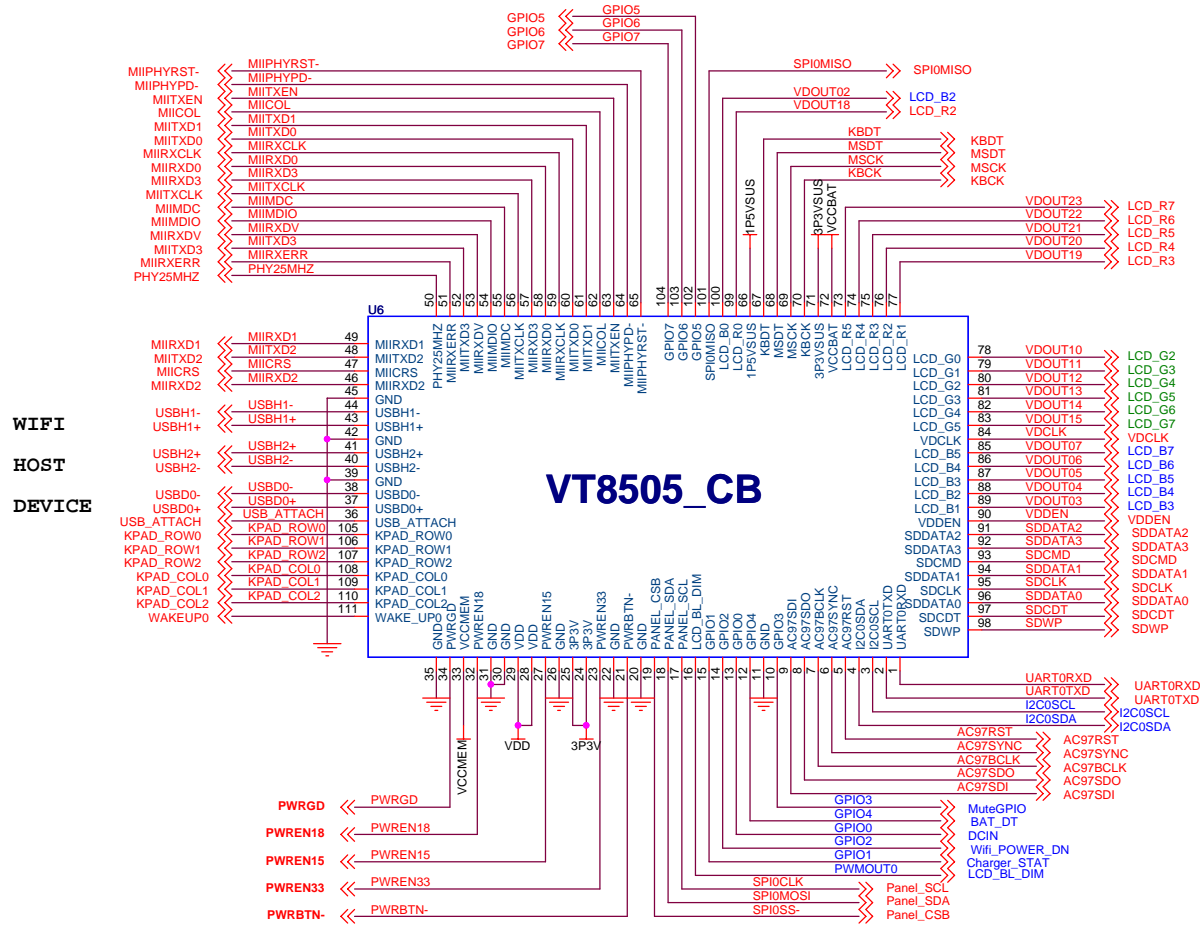


PART: S

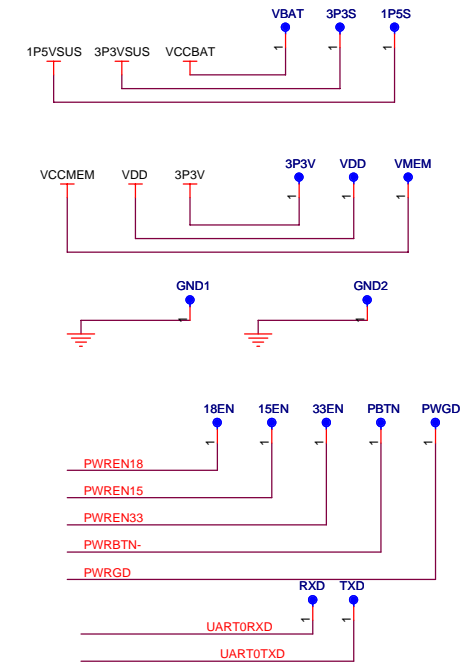


PART: C





Test Point place bottom



Power must add test point, and place same Bottom layer:

3P3VSUS
1P5VSUS
VCCBAT
VDD
3P3V
VCCMEM
GND(2)

PWRBTN
PWREN15
PWREN33
PWREN18



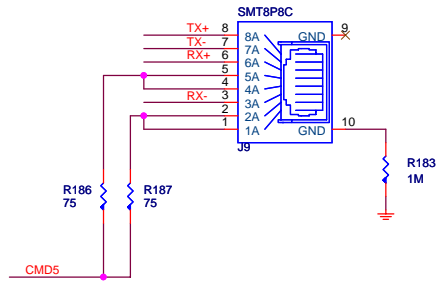
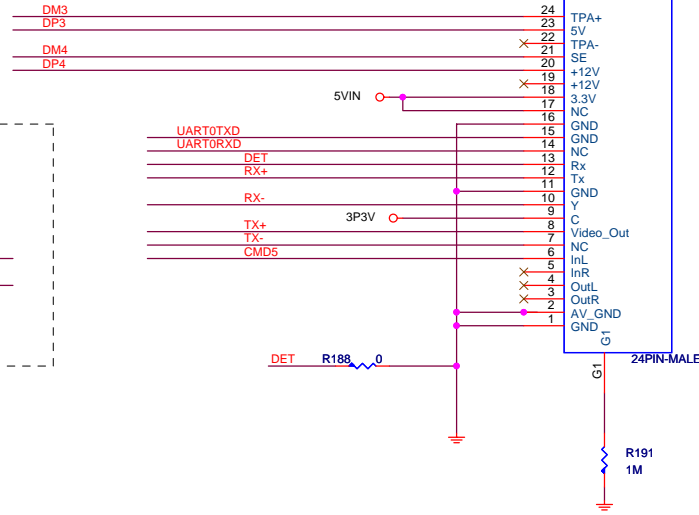
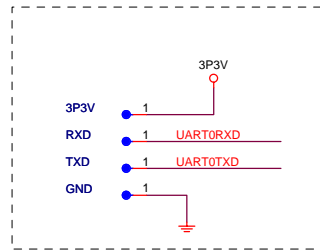
WonderMedia Technologies, Inc.

Title **WM8505: CORE BOARD PIN BALL**

Size Custom Document Number **WMS8060B4** Rev 1.0

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wms8087B add



USB A Type

