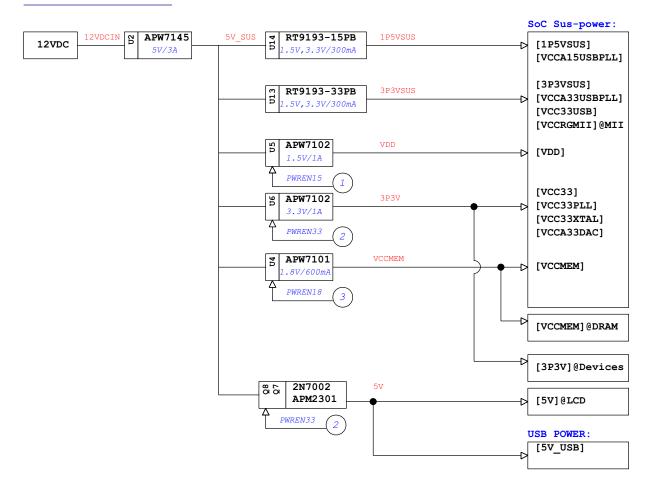
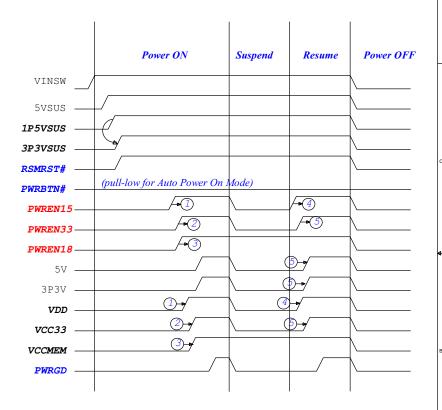
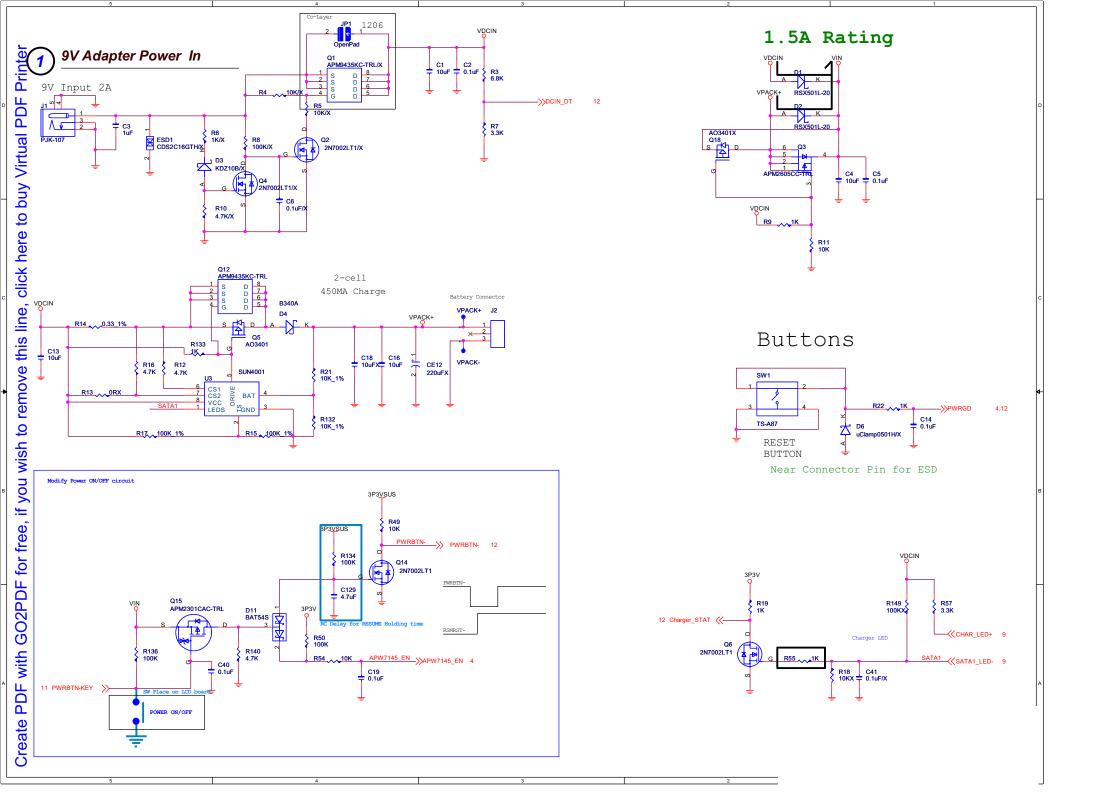
Power Tree & Power Sequence

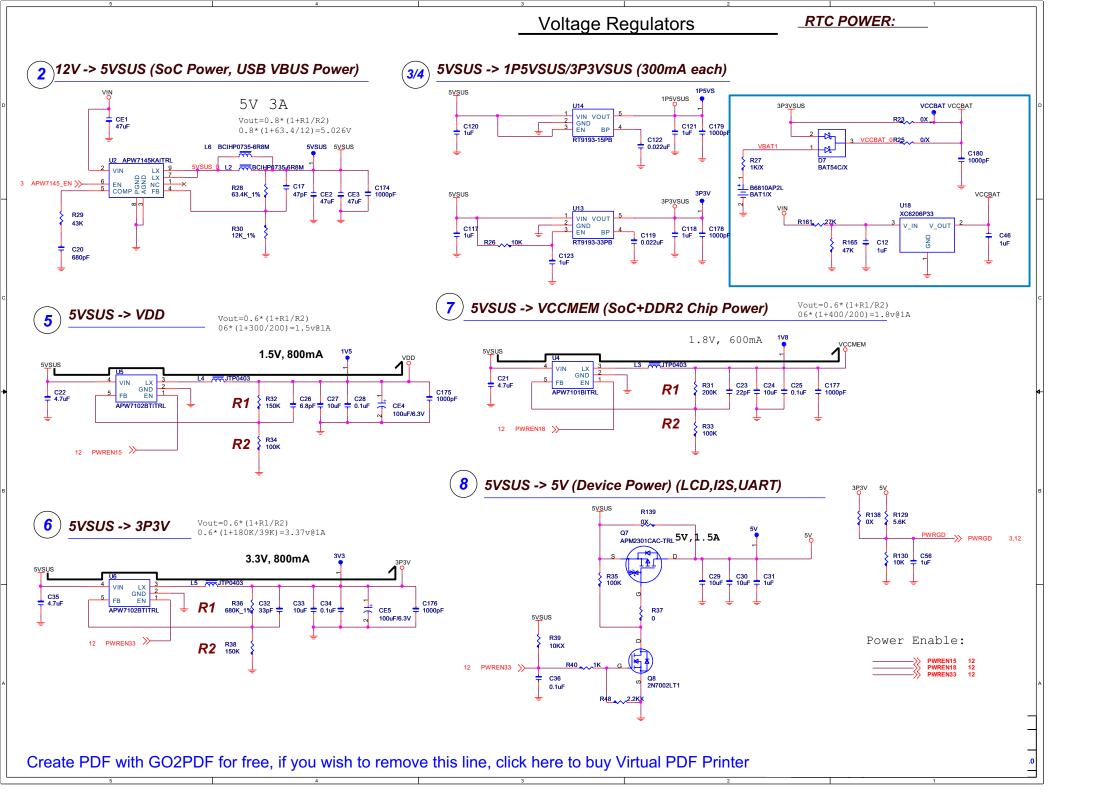
POWER TREE:



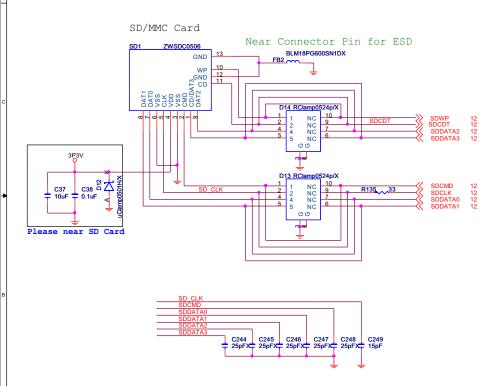
POWER SEQUENCE:



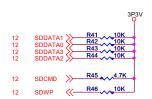


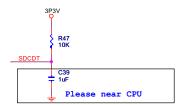


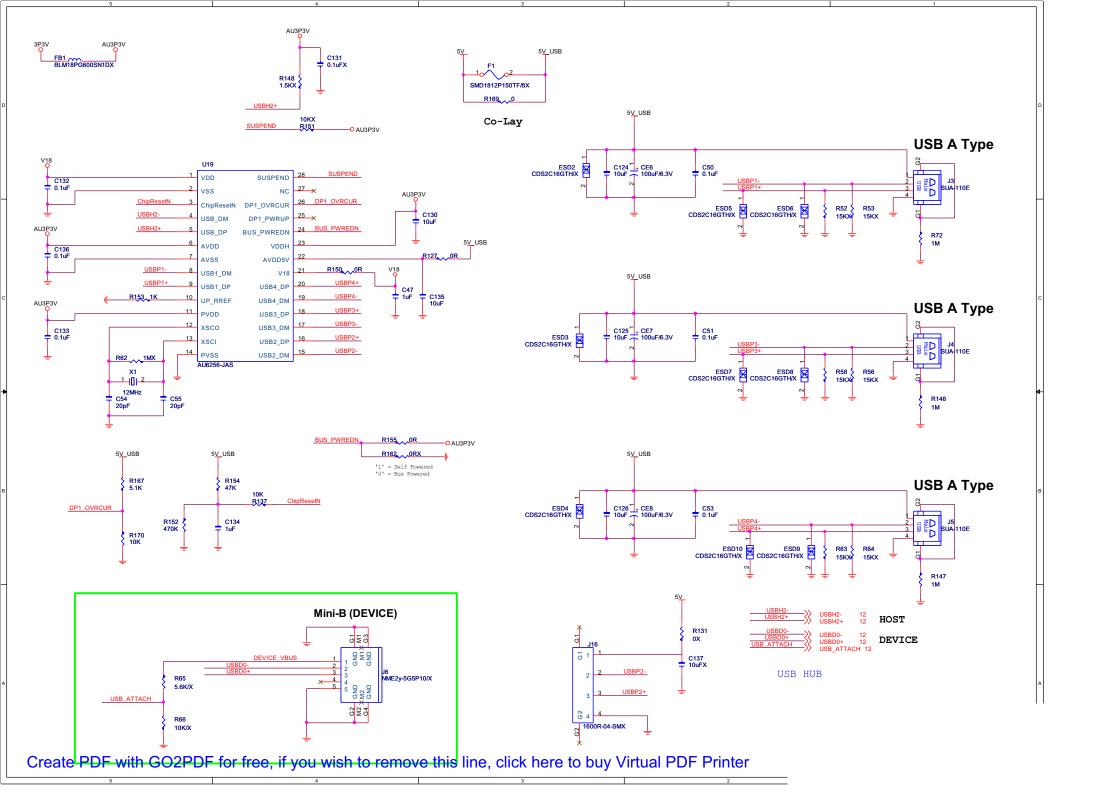
SD Socket (SD/MMC only)



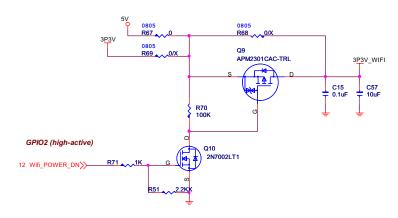
PU Resistors:

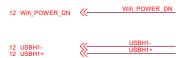






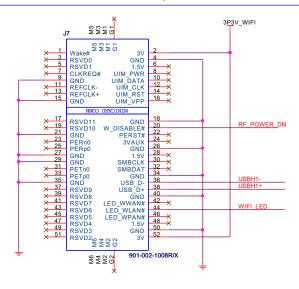
3.3V WiFi POWER:

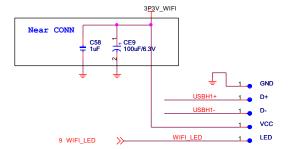


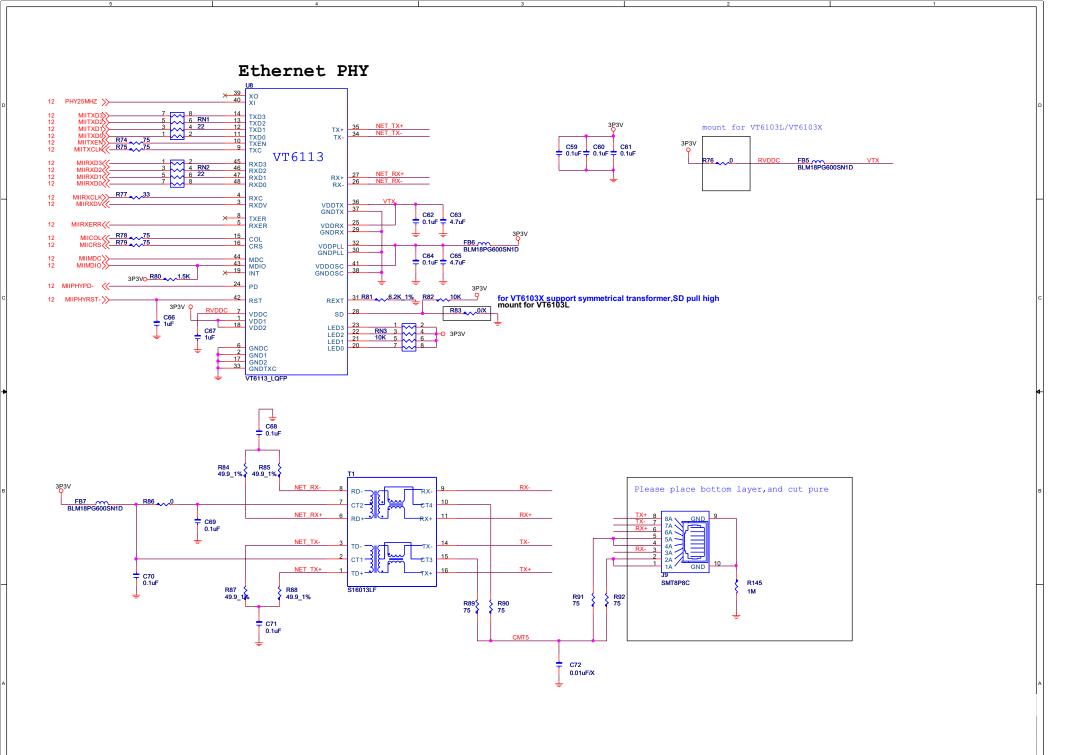




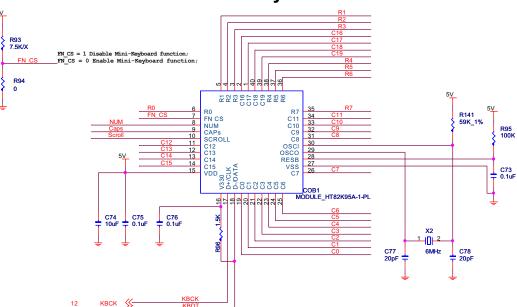
WiFi Mini-Card Connector (ref to standard PCIE-minicard)

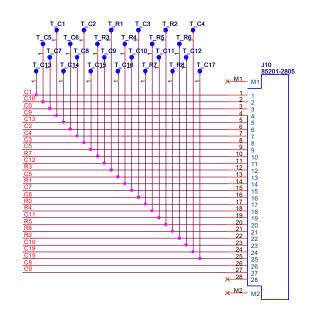


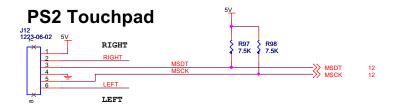


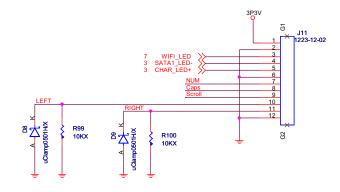


PS2/USB Keyboard



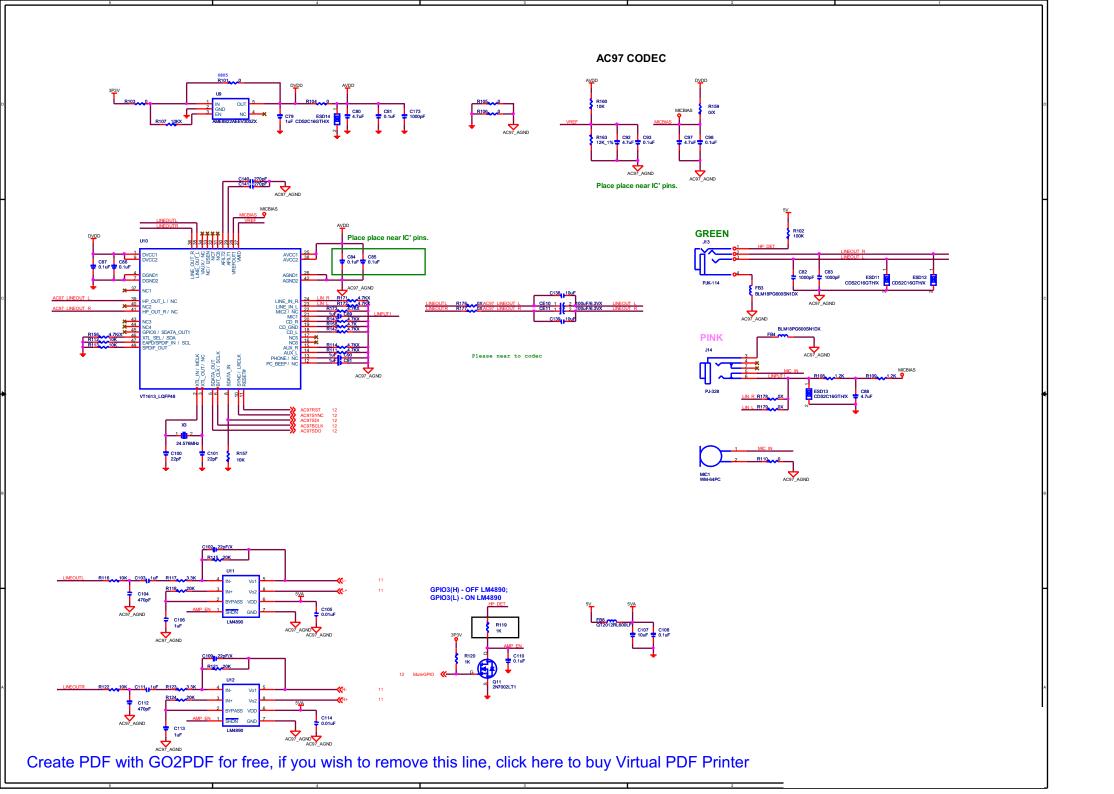


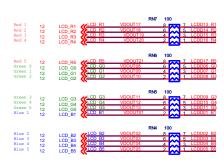


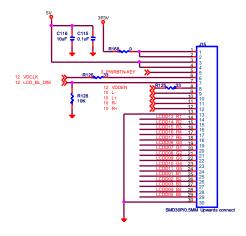


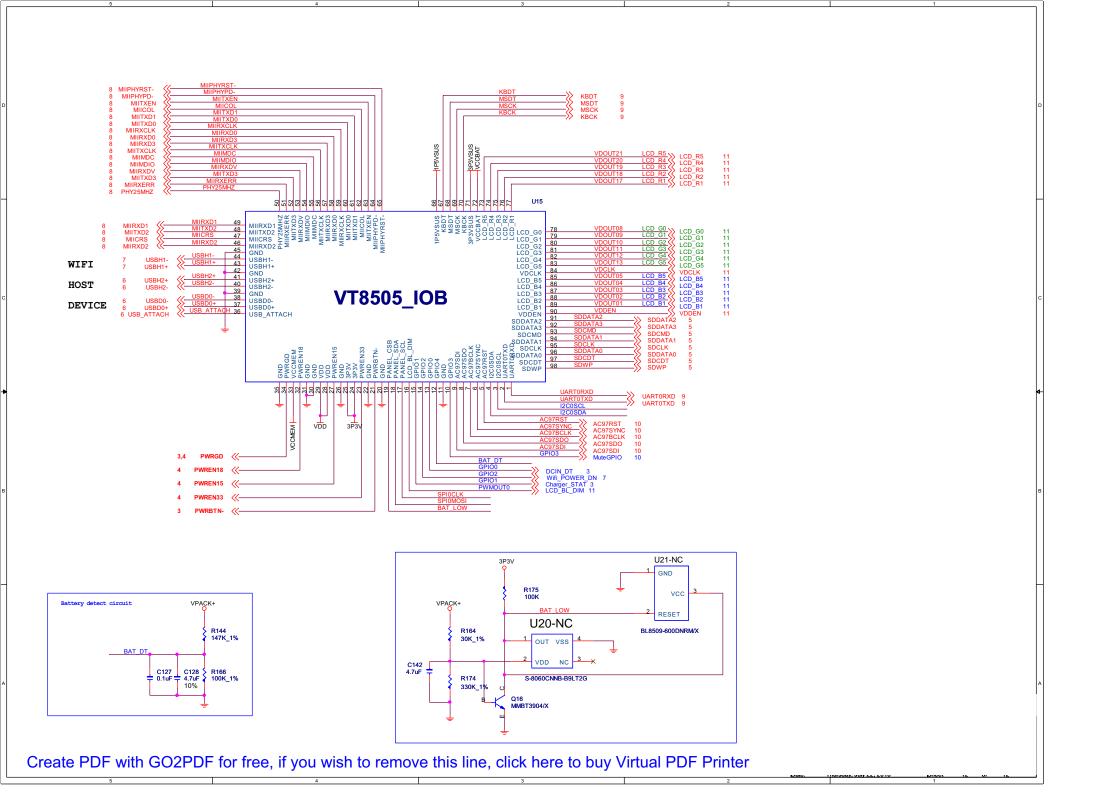
Reversed for debug

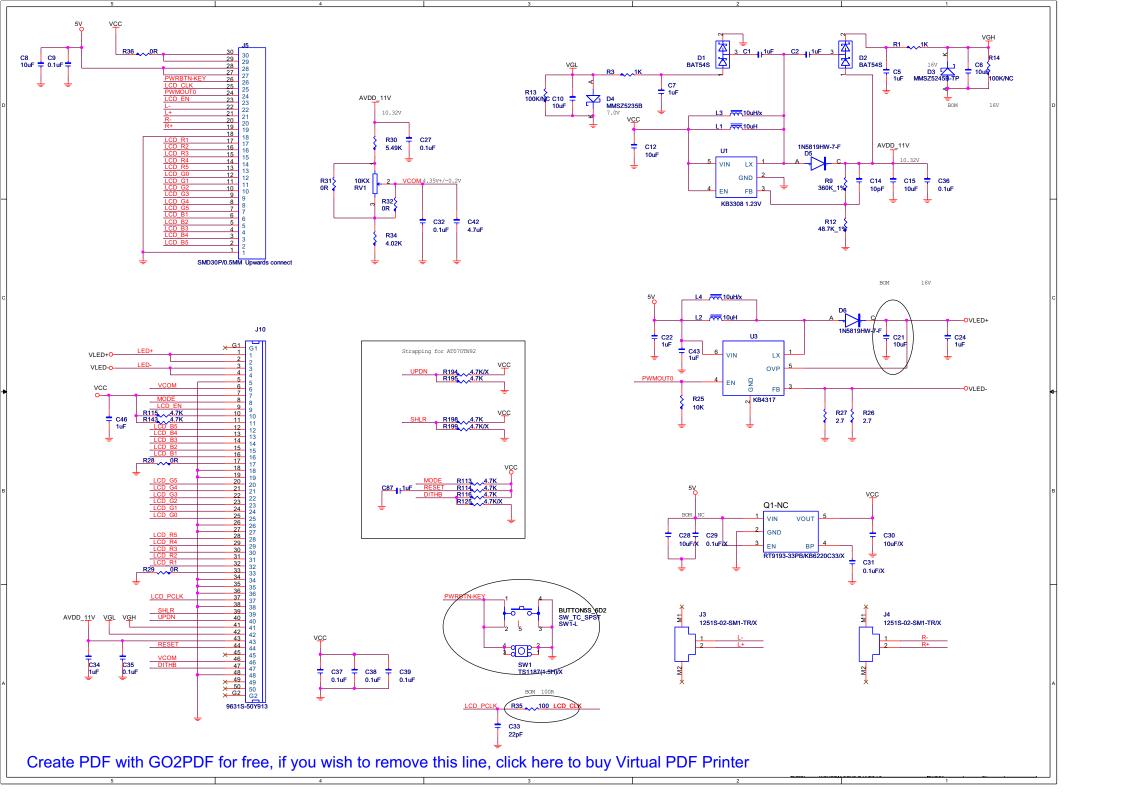




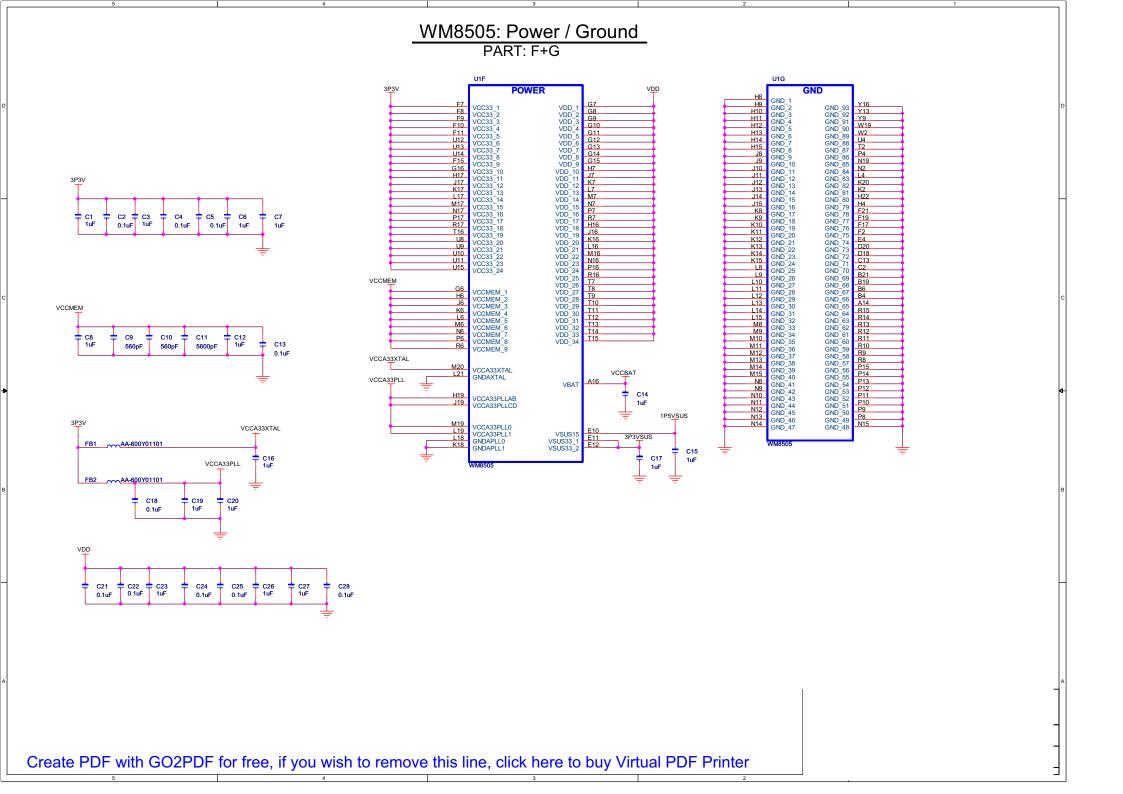


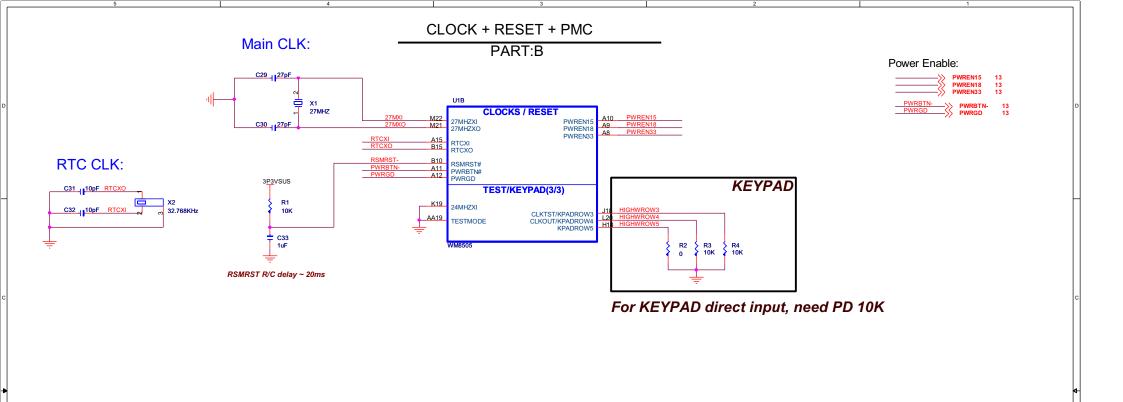




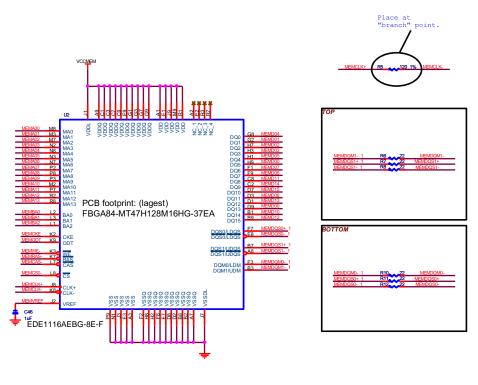


TITLE	PAGE
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WM8505 DDR2/DRAM	06
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WM8505 SD/MMC Connector	08
WM8505 I2S (Speaker+MIC)	09
WM8505 USB+WiFi	10
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LCD POWER	12
WM8505 I2C/KEYPAD	13
WM8505 STRAPPING+GPIO	14
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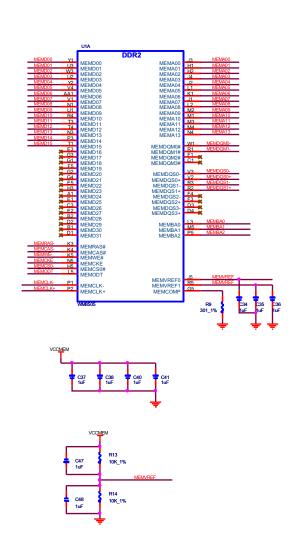


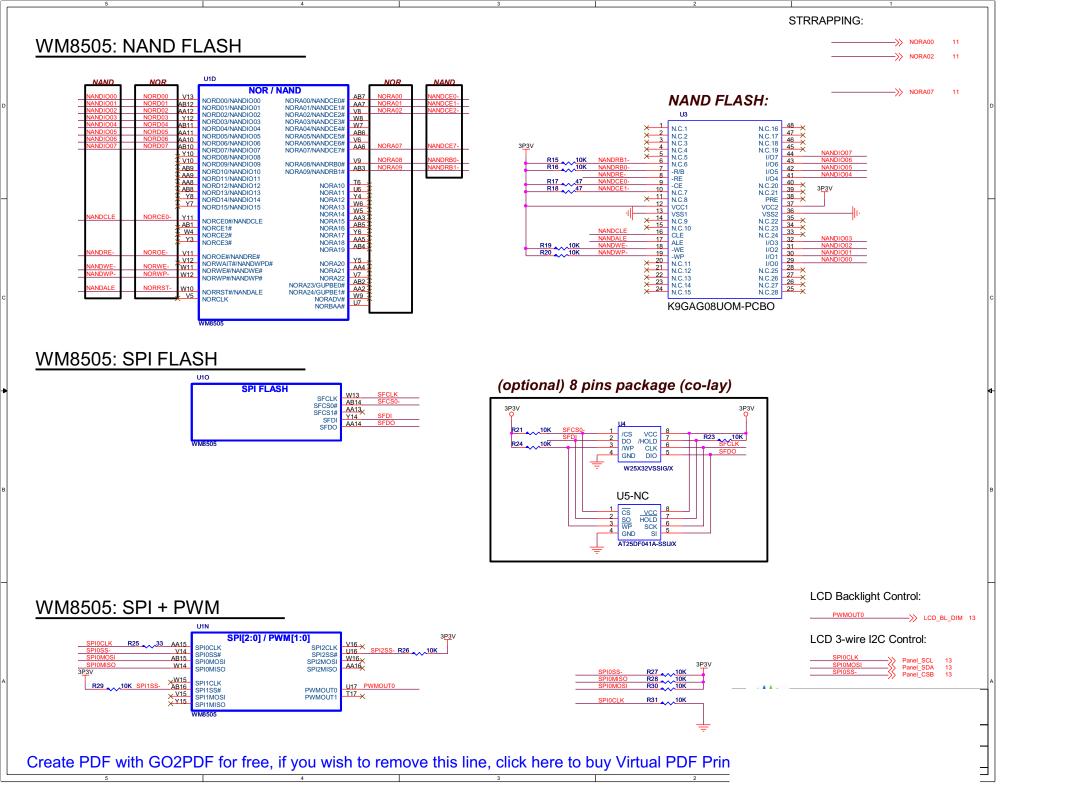


WM8505: DDR2 SDRAM



A3R1GE4CFF-G6E 64M x 16bit

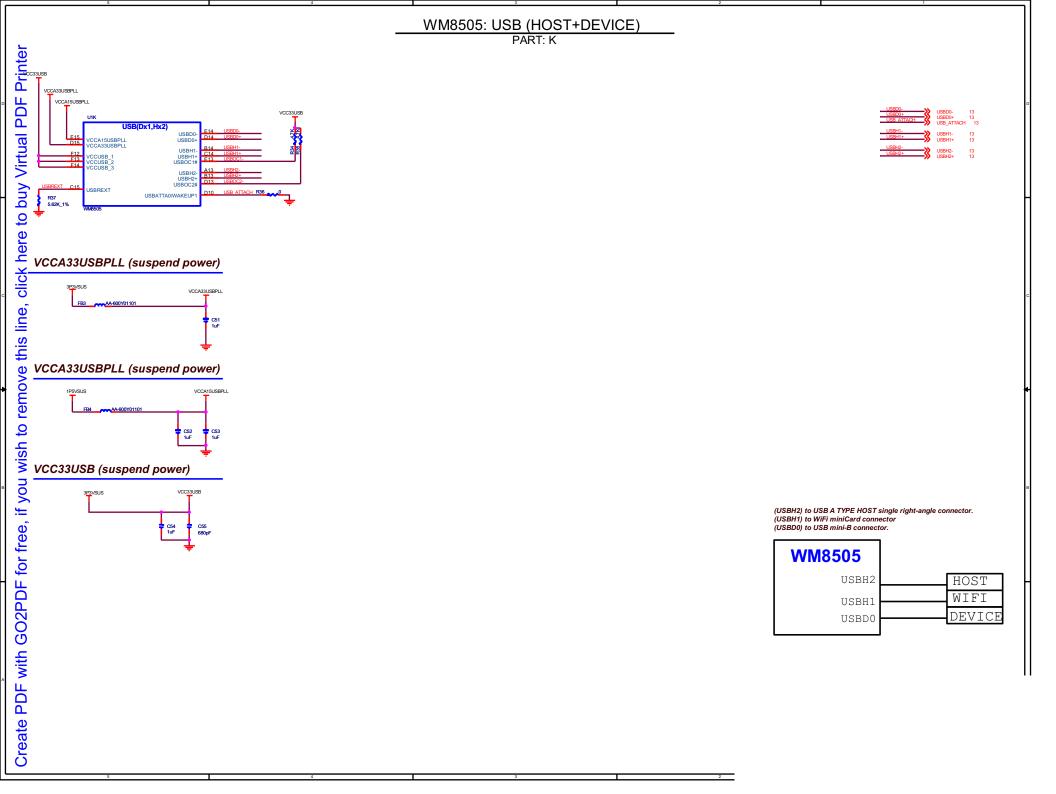




WM8505: SD / MMC PART: M SDCLK SDCMD SDWP SDCDT SDDATA0 SDDATA1 SDDATA2 SDDATA3 SD/MMC SDCLK SDCMD SDWP SDCDT SDDATA0 SDDATA1 SDDATA2 SDDATA3 MMCDATA4 MMCDATA6 MMCDATA6 MMCDATA7 SDDATA0 SDDATA1 SDDATA2 SDDATA3 MMCDATA4 MMCDATA5 MMCDATA6 MMCDATA7 D16 B16 C16 A17 C17 B18 C18 A18 B17 E16 F18 SDCLK SDCMD SDWP SDCDT RN1 SDCD1 SDDATA0 SDDATA1 SDDATA2 SDDATA3 Create PDF with GO2PDF for free, if you wish to remove this line, click here to buy Virtual PDF Printer

WM8505: I2S PART: I AC97/ I2S AC97BCLK/I/2SDACBCLK
AC97RST#I/2SDACMCLK
AC97SYNC/I/2SDACHCC
AC97SYNC/I/2SDACLRC
AC97SDI/2SDACDAT
AC97SDI/2SDACDAT
RESETOUT#I/2SADCLRC

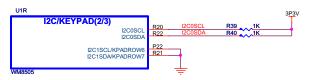
W22 R33 AC97BCLK
U19 AC97SDI
V22 AC97SVNC
V20 AC97SVN
V21 AC97SDO
V21 AC97SDO
V21 AC97SDO AC97BCLK 13 AC97RST 13 AC97SYNC 13 AC97SDI 13 AC97SDO 13 (Mike) Create PDF with GO2PDF for free, if you wish to remove this line, click here to buy Virtual, PDF Printer



WM8510: DVO / LCD PART: L Damping Rs (put close to WM8510) --> deleted. no need!

WM8505: I2C / KEYPAD

PART: R



I2C ADDRESS TABLE:

BUS	DEVICE	FUNCTION	ADDRESS	
T2C0	VT1602	I2S Codec	0x34	_

VGA EDID:



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:

GPIO7

GPI00	DCIN
GPIO1	CHARGE
GPIO2	Wifi_POWER_DN
GPIO3	MuteGPIO
GPIO4	RF POWER DN
GPIO5	GPIO5
	GF103

DCIN Detect
CHAEGE STATE
Wifi_POWER_DN
ACG7/12S Amp_ShutDown

AC97/I2S Amp ShutDown/Mute GPIO: RF_PWRDN

_ Light_INT

To MP1530 LCD Power ENABLE

SD Card Power

Strapping Option:

Strapping O	ption.	<u>av</u>
NORA01 NORA02	R434.7K	=>SPI Flash Boot,
NORA03		=>Default, SF 24bit address, NAND/NOR 8 bit data
NORA04		Default, NAND 512byte page, NOR non-page mode
NORA05 NORA06		Default, NAND 3 Addr cycle, NOR max RST/READ timing
NORA07	R444.7K	Enable Keypad function,
NORBAA-		=>SF use Rising Edge, default N.C.

USB2 to WiFi Module:

STRRAPPING:

GPIO4	 RF POWER DN	40
	 RF_POWER_DN	13
GPIO2	 Wifi POWER DN	40
	 WIII_POWER_DIN	13

—>>> NORA00 5

→>> NORA07

—≫ MuteGPIO 13

Mute GPIO:

Detect DCIN

GPI00 >> DCIN 13

LCD CONTROL:

GPIO1	>>> TPINT	13
GPIO5	→>> GPIO5	13
GPIO6	→>> GPI06	13
GPIO7	→>>> GPI07	13

* IMPORTANT: Need PD in normal use.



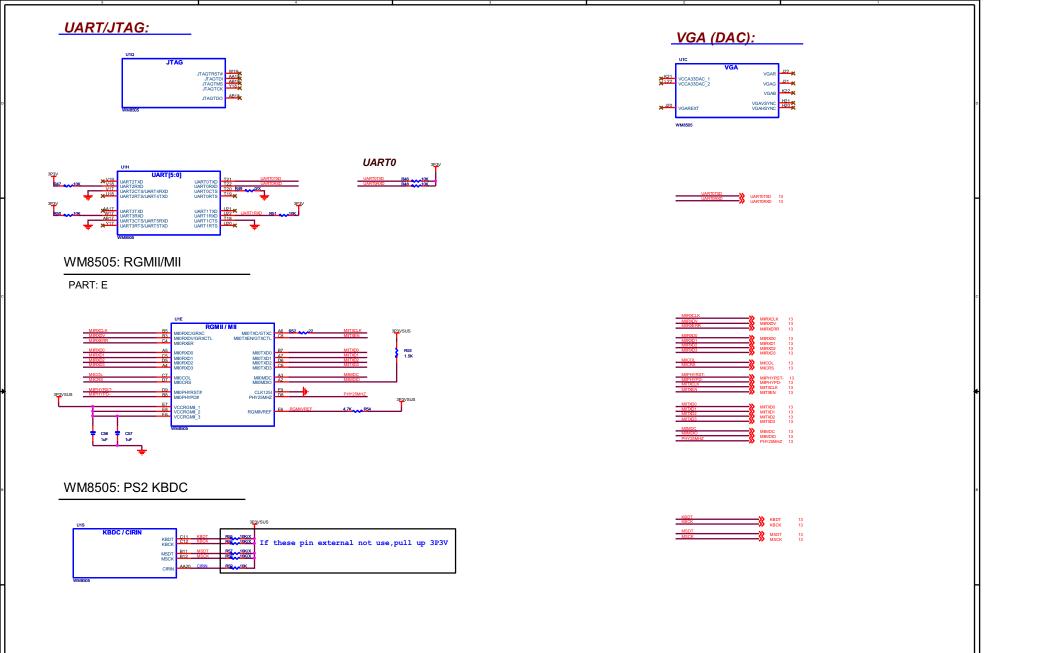
STRAPPING TABLE:

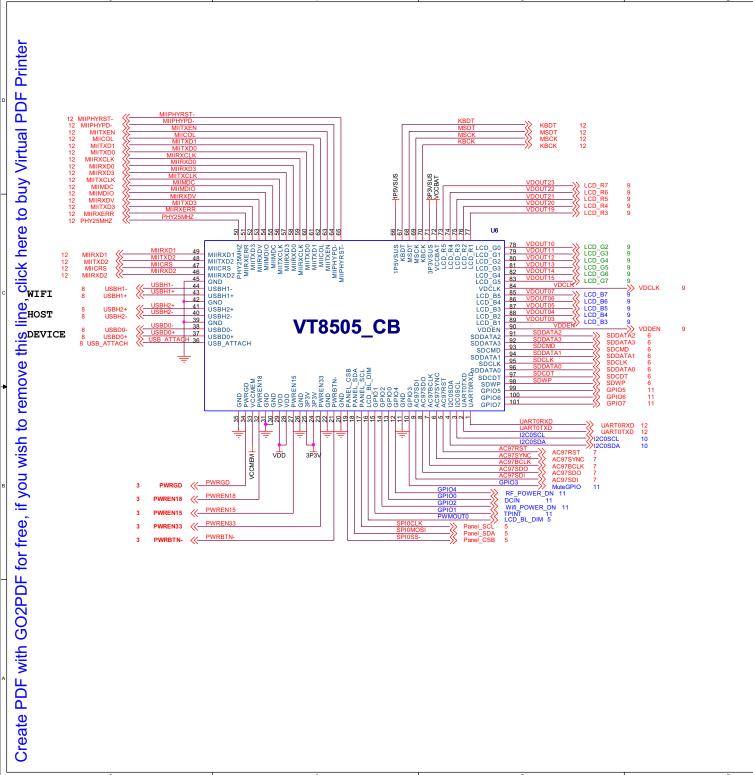
PIN_NAME	RS	ON/OFF	Internal	DESCRIPTIONS
NORA0	R98	ON	PD	Debug Mode, default PD ext.
NORA[2:1]	R221,R109		PD, PD	NOR Boot
		ON-OFF		=>SPI Flash Boot,
NORA3	R220,	OFF	PD	=>Default, SF 24bit address, NAND/NOR 8 bit data
				PU ext. SF 32bit address, NAND/NOR 16 bit data
NORA4	R224	OFF	PD	Default, NAND 512byte page, NOR non-page mode
				PU ext. NAND 2K page, NOR page mode
NORA[6:5]	R223,R110	OFF-OFF	PD, PD	Default, NAND 3 Addr cycle, NOR max RST/READ timin
				PD, PU= NAND 4 Addr cycle
NORA7	R118		PD	Disable Keypad function, default N.C.
		ON		Enable Keypad function,
NORBAA-	R222	OFF	PD	=>SF use Rising Edge, default N.C.
				SF use Falling Edge , need PU ext.
SUSGPIO[A:	B] R204,R58		PD, PD	RGMII Mode.
		ON-OFF		=>MII MODE

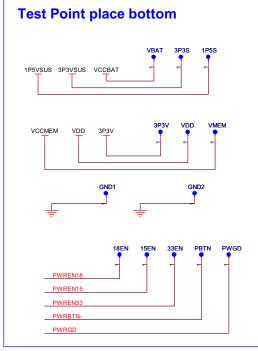
WARMING:

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

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Power must add test point, and place same Bottom layer: 3P3VSUS

1P5VSUS **VCCBAT**

VDD

VCCMEM GND(2)

PWRBTN PWREN15

PWREN33 PWREN18

