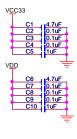
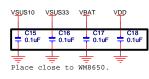
WM8650: Power / Ground

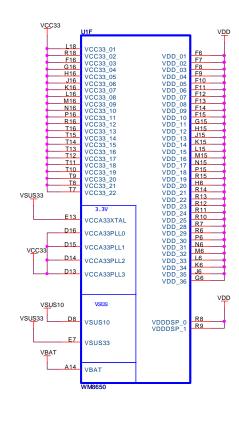
PART: E+F

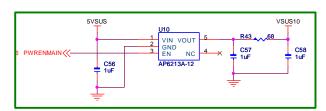


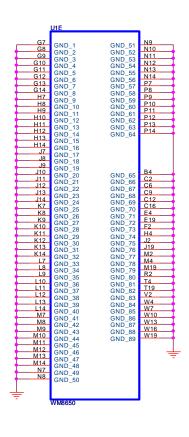


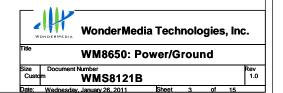


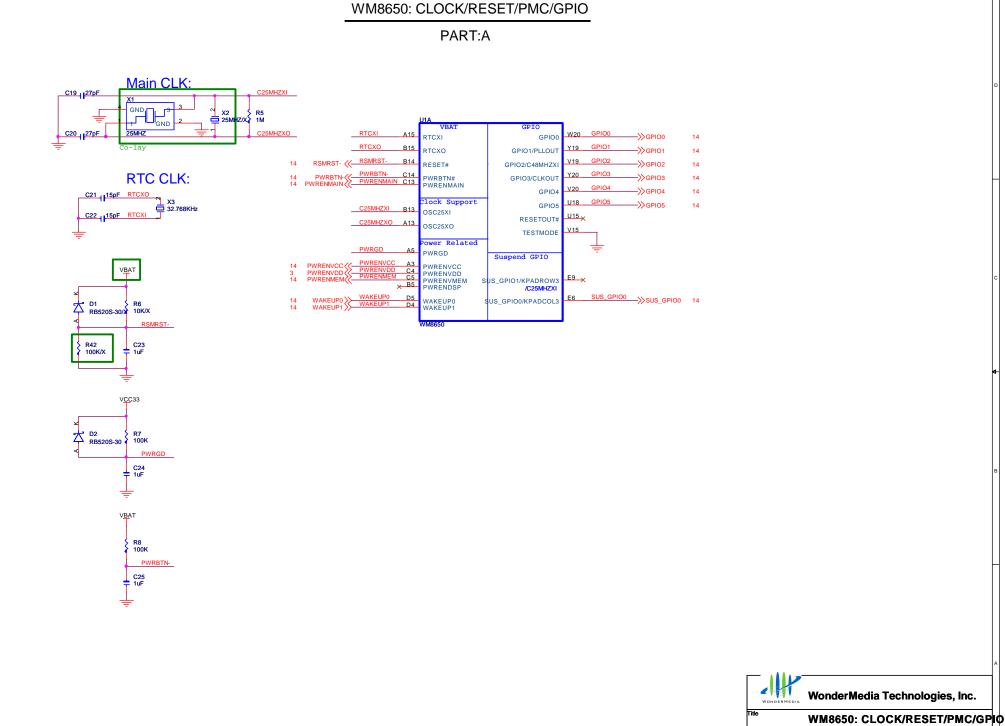






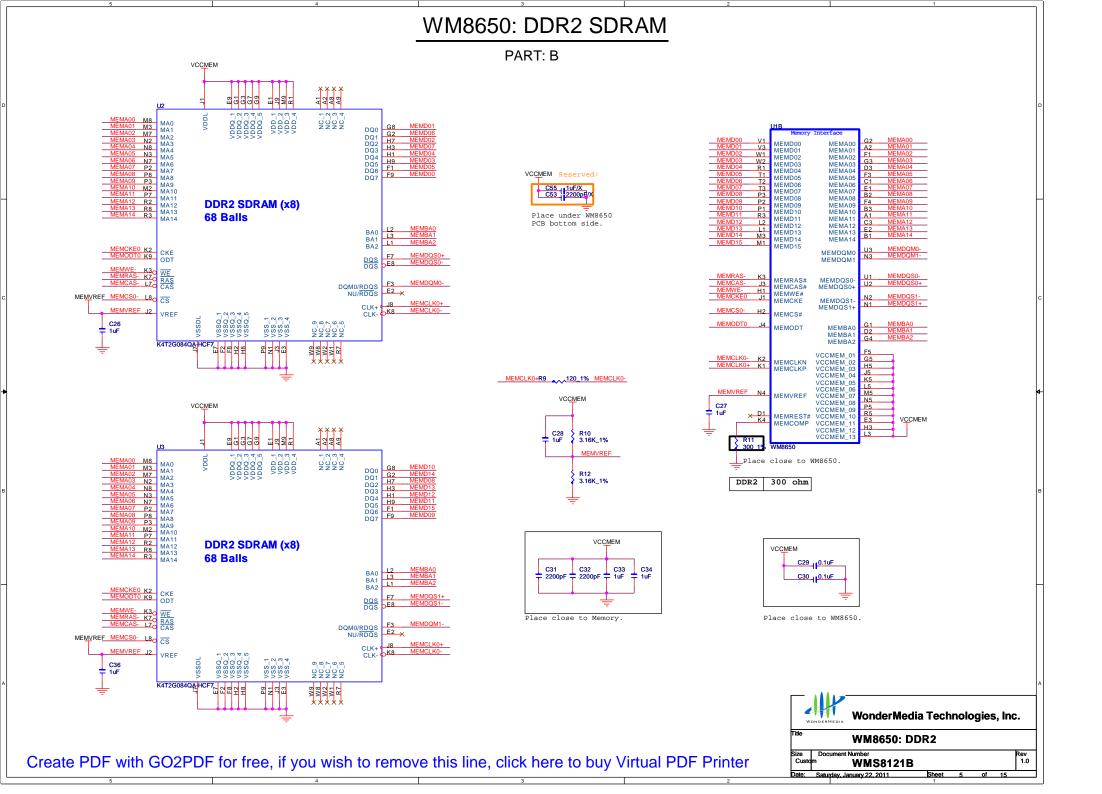




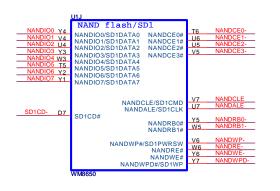


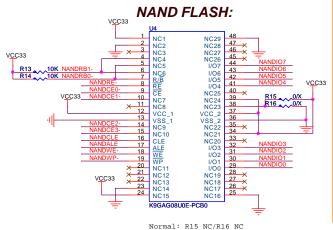
Create PDF with GO2PDF for free, if you wish to remove this line, click here to buy Virtual PDF Printer

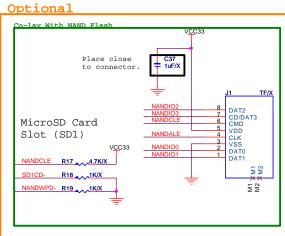
Rev 1.0 WMS8121B Date: Wednesday, March 30, 2011





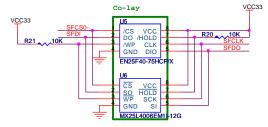






WM8650: SPI FLASH





Intel/Toshiba: R15 0/R16 NC



WM8650: SPI + PWM



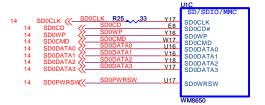
WM8650: NAND FLASH

Size Document Number Custom WMS8121B

Date: Saturday, January 22, 2011 Sheet 6 of 15

WM8650: SD/SDIO

PART: C



WonderMedia Technologies, Inc.

Title

WM8650: SD/SDIO

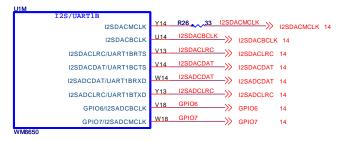
Size Document Number
Custom

WMS8121B

Date: Saturday, January 22, 2011

Sheet 7 of 15

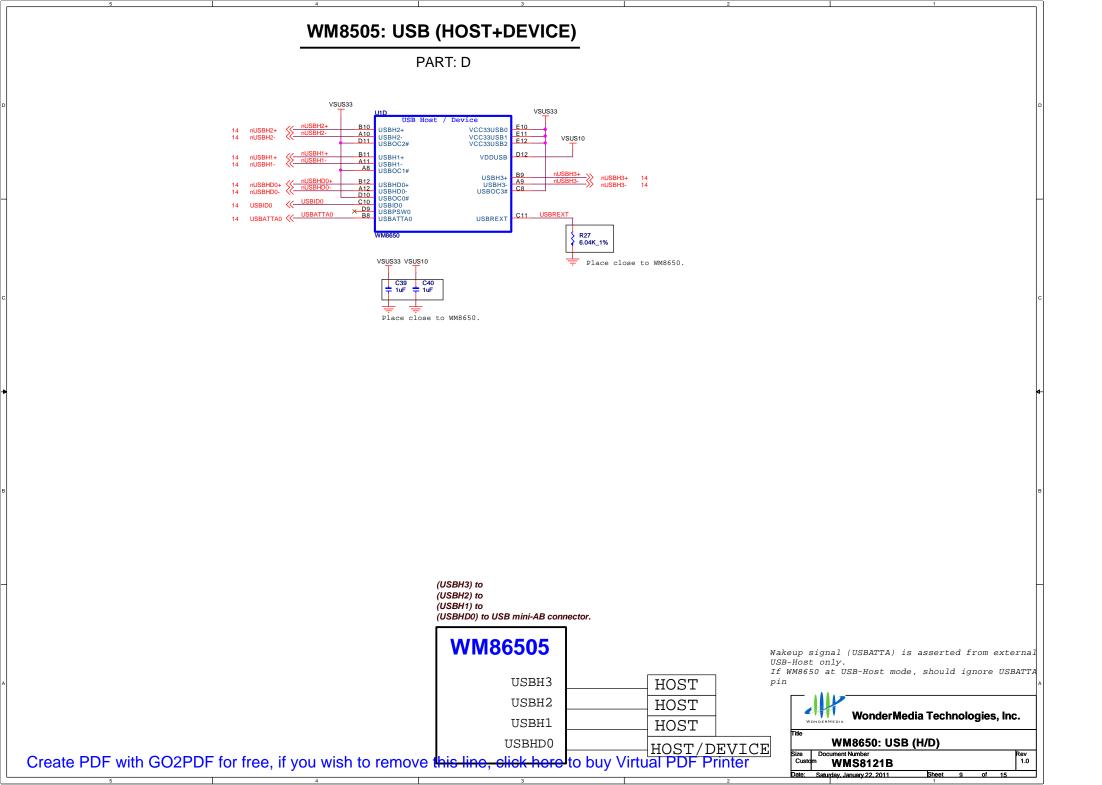
WM8650: I2S
PART: M



WM8650: I2S

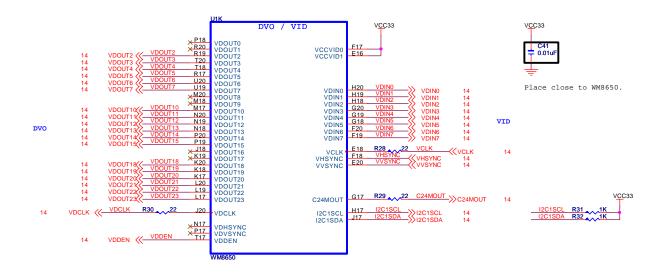
Size Document Number Custom WMS8121B 1.0

Delte: Saturday January 22 2011 Sheet 8 of 15



WM8650: DVO/VID

PART: K



WonderMedia Technologies, Inc.

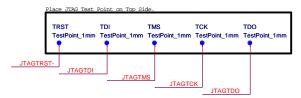
Title WM8650: DVO/VID

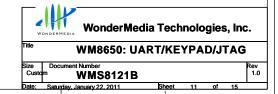
Size Document Number Custom WMS8121B

Date: Saturday, January 22, 2011 Sheet 10 of 15

WM8650: UART/KEYPAD/JTAG







WM8650: MII PART: G



WM8650: MII

Size Document Number Custom WM88121B Rev 1.0

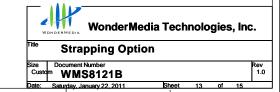
Strapping Option

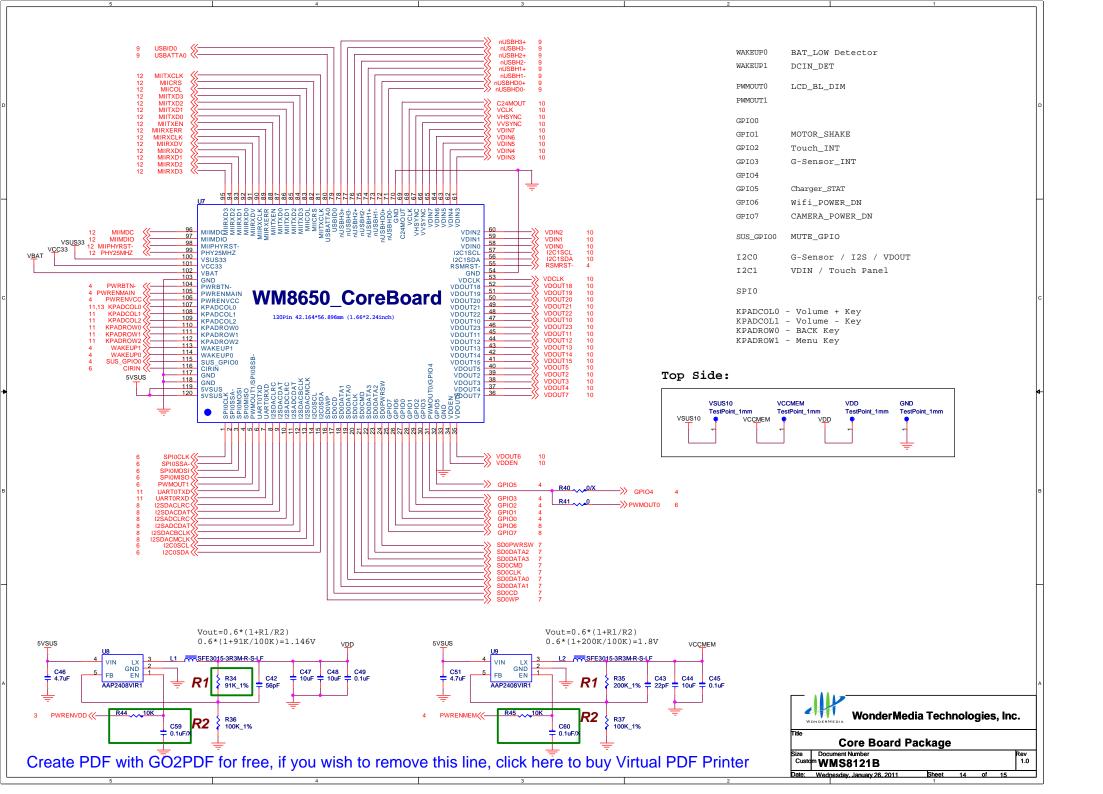
Pin	Internal Pull up/down	Default	Description	
KPADCOL0	pull down	0	Inert PWRBTN# 0:debounced for a few cycles 1:kept 2s to trigger	

VSU<u>S</u>33

WARMING:

Create of the stranging of the property of the control of the cont

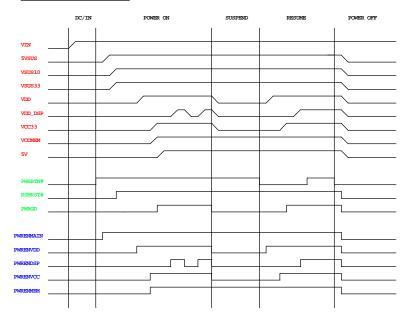




Version History

Version	Modify Content	Responsibility	Date
WMS8121A	Initial released.	Ben Huang	2010/12/12
WMS8121B	1.Delete Q1 GN2314/R1 200K/R2 100K/C12 10uF/C13 0.1uF; 2.Add U10 AP6213A-12/C56/C57/C58 1uF/R43 68; 3.Delete R38 100K, add R44/R45 10K and C59/C60 0.1uF for reserved; 4.R34 95.3K_1% change to 91K_1%; 5.Add R42 100K for Reserved 6.D1/R6 connect to VBAT; 7.UARTORXD spacing 10mil; 8.Change D1/D2 packsge; 9.Optimize layout.	Ben Huang	2011/01/04

Power Sequence:



WonderMedia Technologies, Inc.

Title

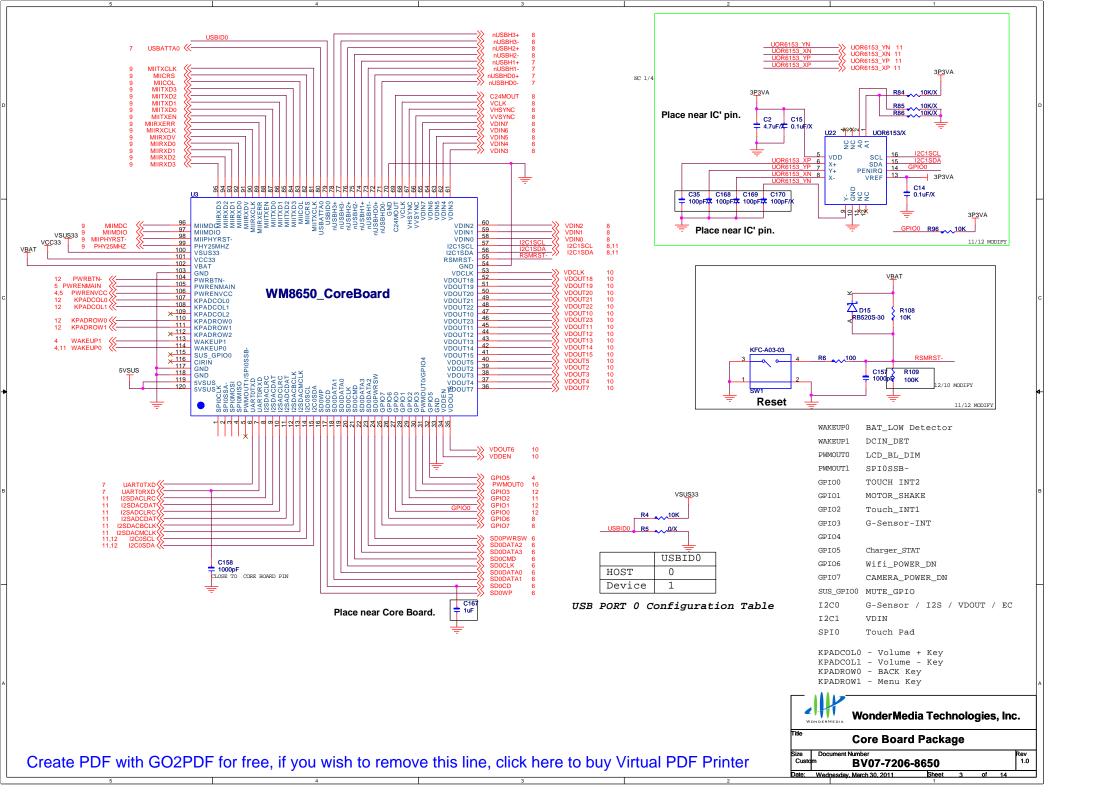
Version History

Size Document Number Custom

WMS8121B

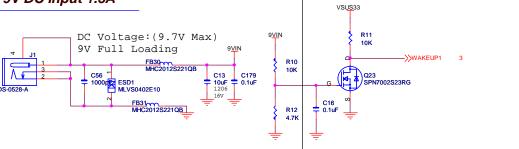
Rev 1.0

1.0

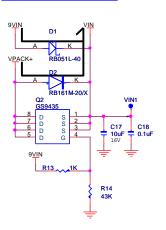


DC-IN and Battery

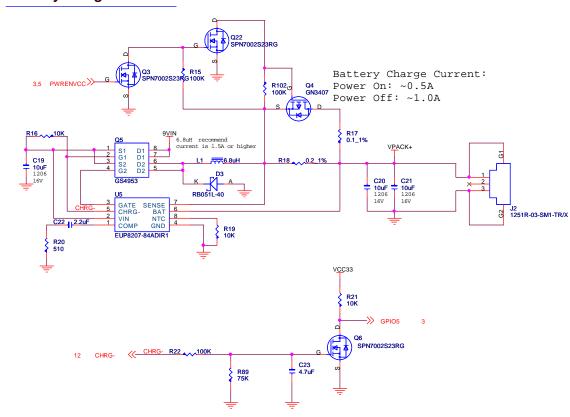




DC Switch



Battery charger 2-Cell



VSUS33 Battery Low Detect: 100K/X VPACK+ WAKEUP0 OUT VSS VDD NC S-80860CNNB-B9LT2G/X U26 R3 C1 4.7K_1% 4.7uF Replacement: CE8808N40M IC R2 R3 5.0V 30K 84.5K 2.93V 47K 35.7K 3.0V 47K

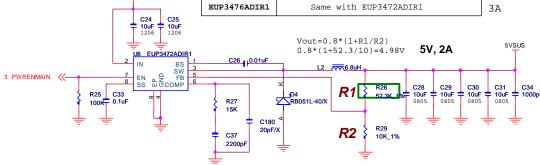
WonderMedia Technologies, Inc. **DC-IN and Battery** Rev 1.0 BV07-7206-8650

Voltage Regulators

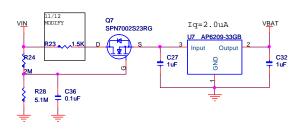
VIN->5VSUS, 2A

Replacement:

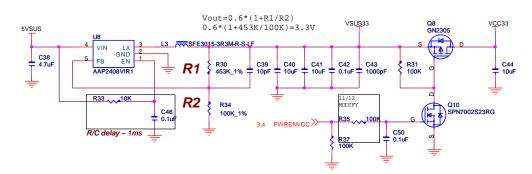
U 6	R26	R29	R27	C37	L2	D4		
RT8272GSP	43K	10K	41K	2.2nF	6.8uH	Yes	3A	
LP6482-ASOF	43K	10K	2.2K	3.3nF	10uH	NA	2A	
EUP3476ADIR1	Same with EUP3472ADIR1							



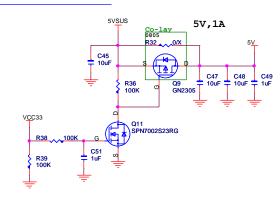
VIN->VCCBAT 3.3V 10uA

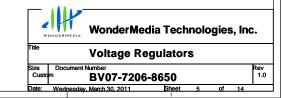


5VSUS->3.3V 800mA

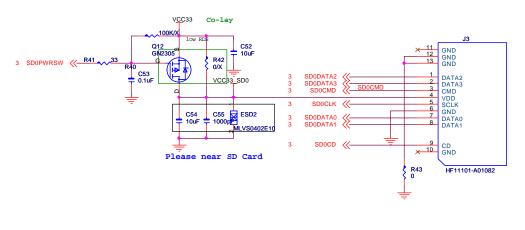


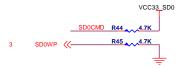
5VSUS->5V, 1A





MicroSD Socket



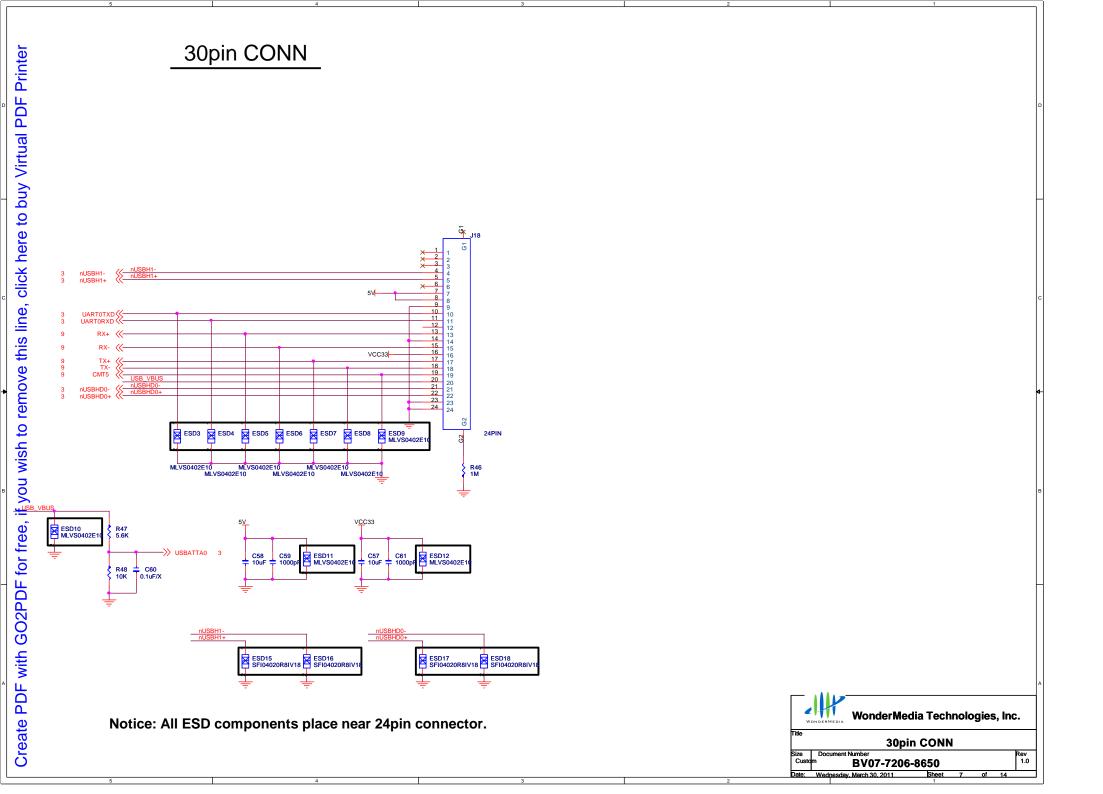


WonderMedia Technologies, Inc.

Title

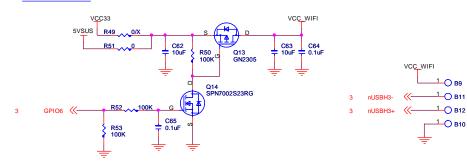
MicroSD Card

Size Document Number Custom BV07-7206-8650
Date: Wedpesday, March 30, 2011 Sheet 6 of 14

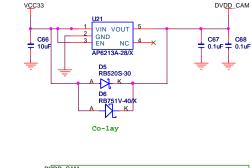


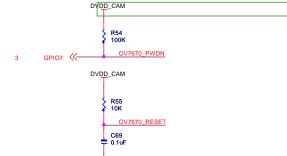
USB WiFi/CCIR Camera

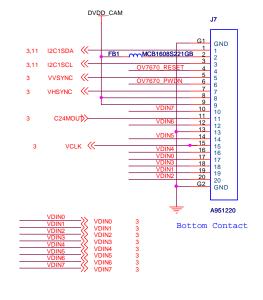
USB WiFi



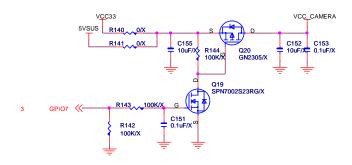
CCIR656 Camera







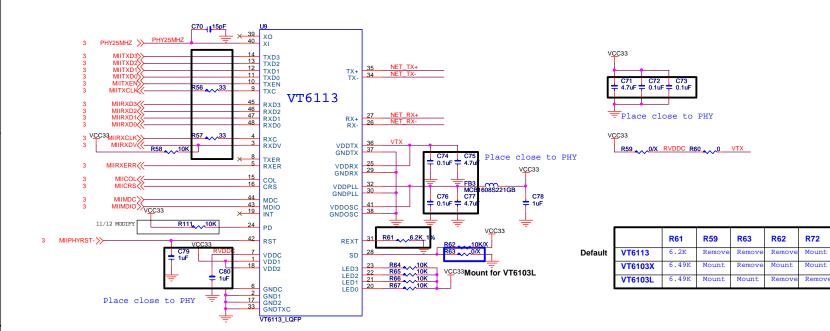
USB CAMERA

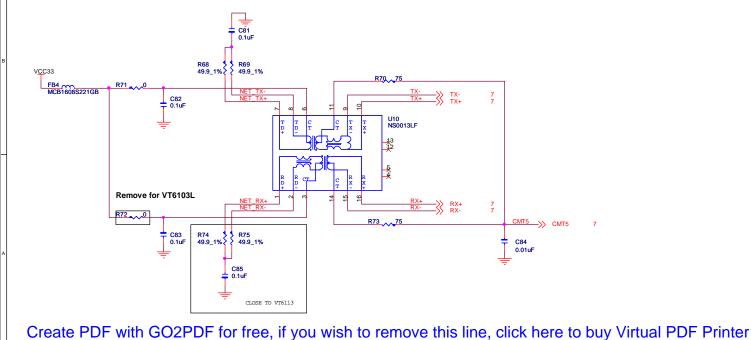






Ethernet PHY





WonderMedia Technologies, Inc.

Title

Ethernet PHY

Size Document Number
Custom BV07-7206-8650
Date: Wedpesday, Mach 30, 2011 Sheet 9 of 14

