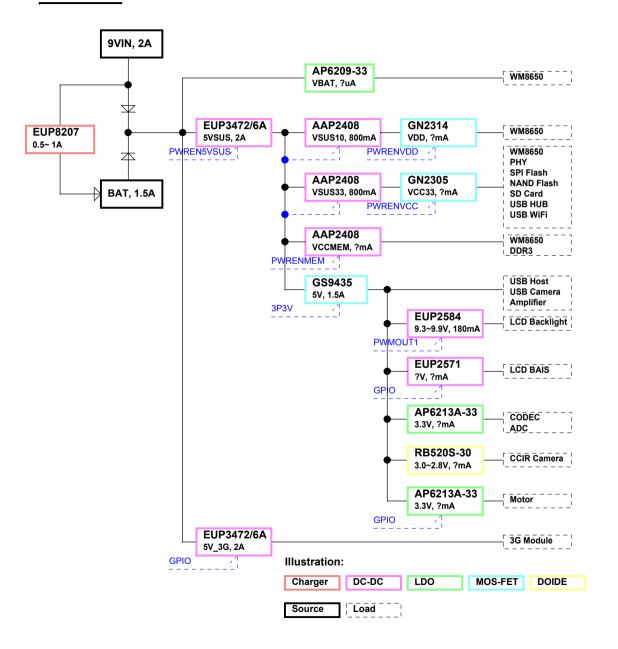
WM8650 Core Board

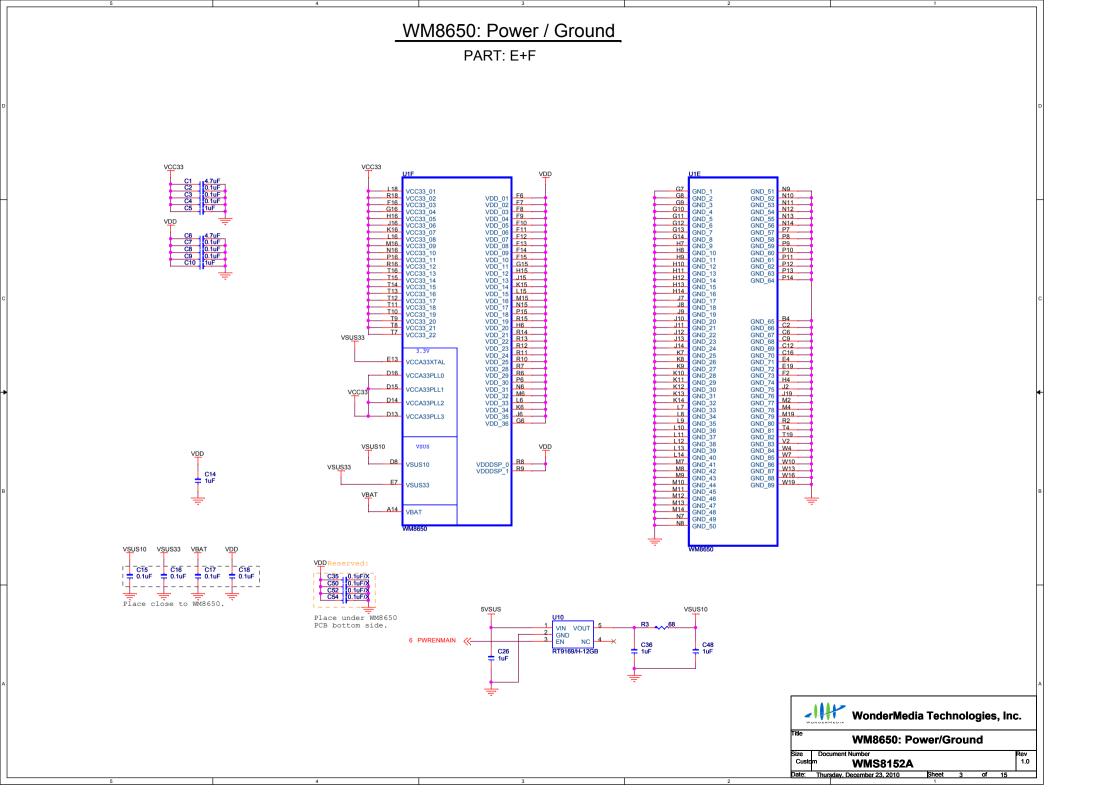
WMS8152A

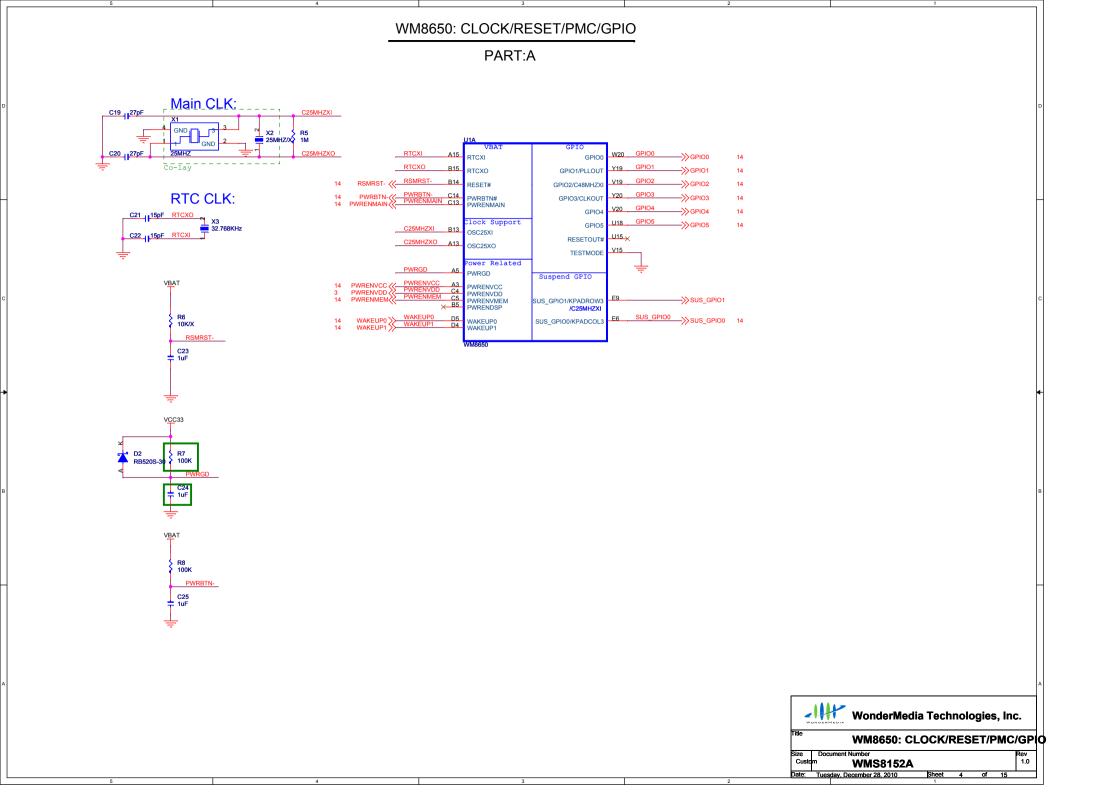
Power Tree:

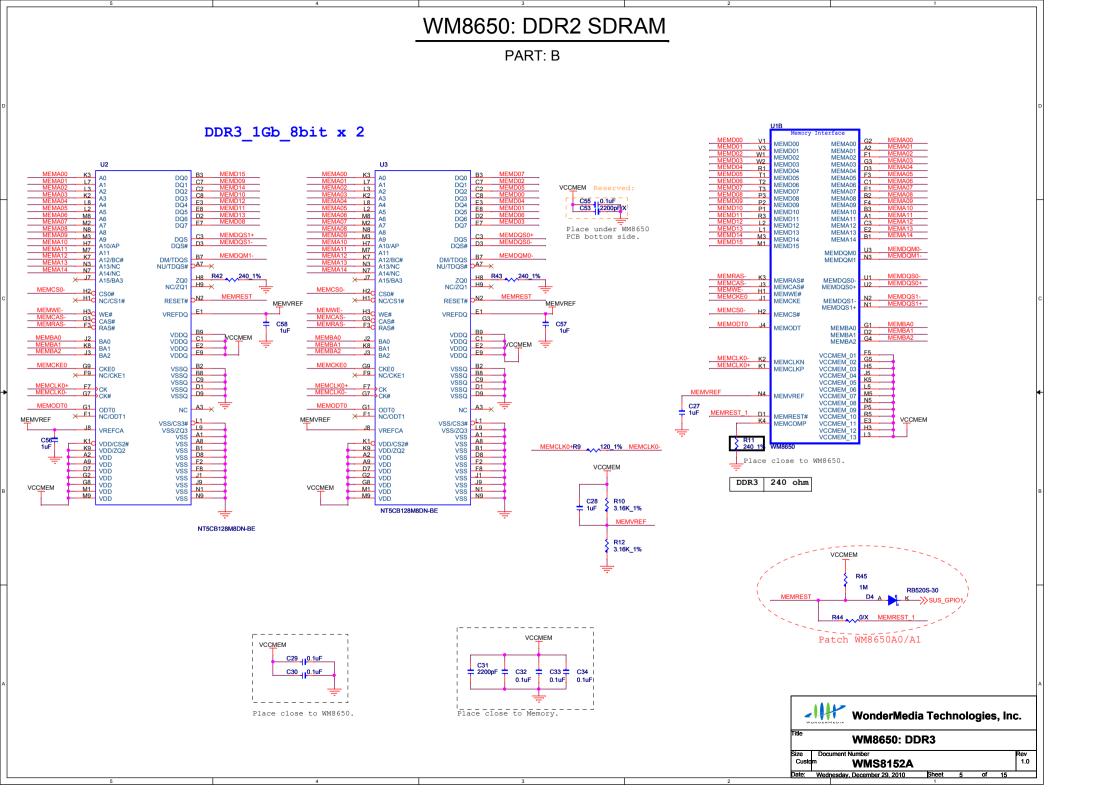


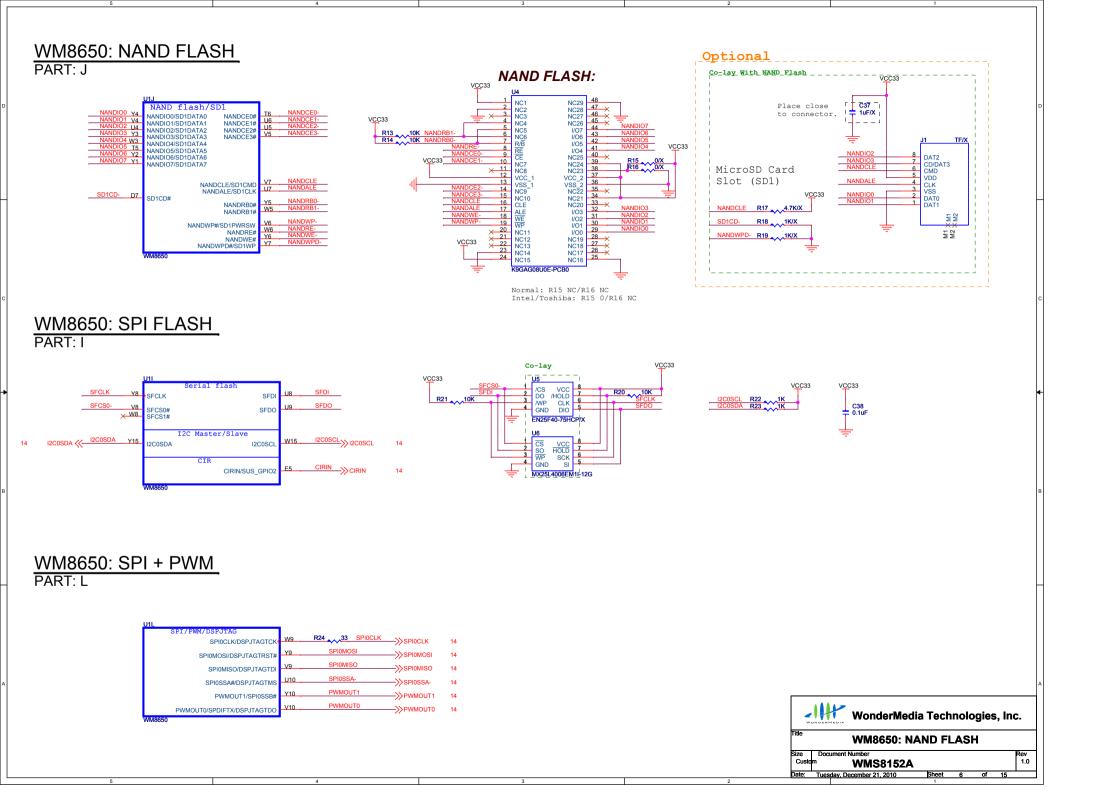
TITLE	PAGE
Cover Page	01
Block Diagram	02
WM8650 Power/Ground	03
WM8650 CLOCK/RESET	0 4
WM8650 DDR3/DRAM	0.5
WM8650 NAND/SF/SPI/PWM	0.6
WM8650 SD/SDIO	07
WM8650 I2S	0.8
WM8650 USB (H/D)	0.9
WM8650 LCD I/F	10
WM8650 UART/KEYPAD/JTAG	11
WM8650 MII	12
Strapping Option	13
Core Board Package	14
Revision History	15

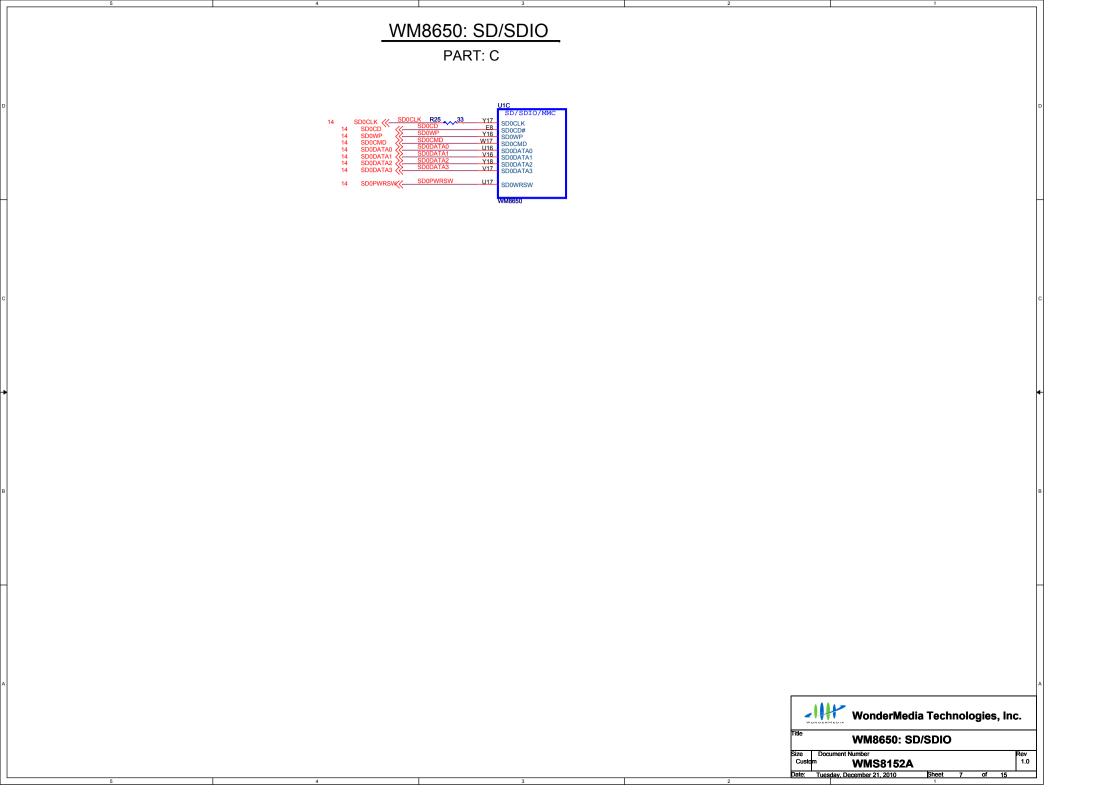
WonderMedia Technologies, Inc.							
Title Cover Page							
Size	Document	Number					Rev
Custo	m W	MS8152A					1.0
Date:	Friday, Dec	ember 31, 2010	Sheet	1	of	15	

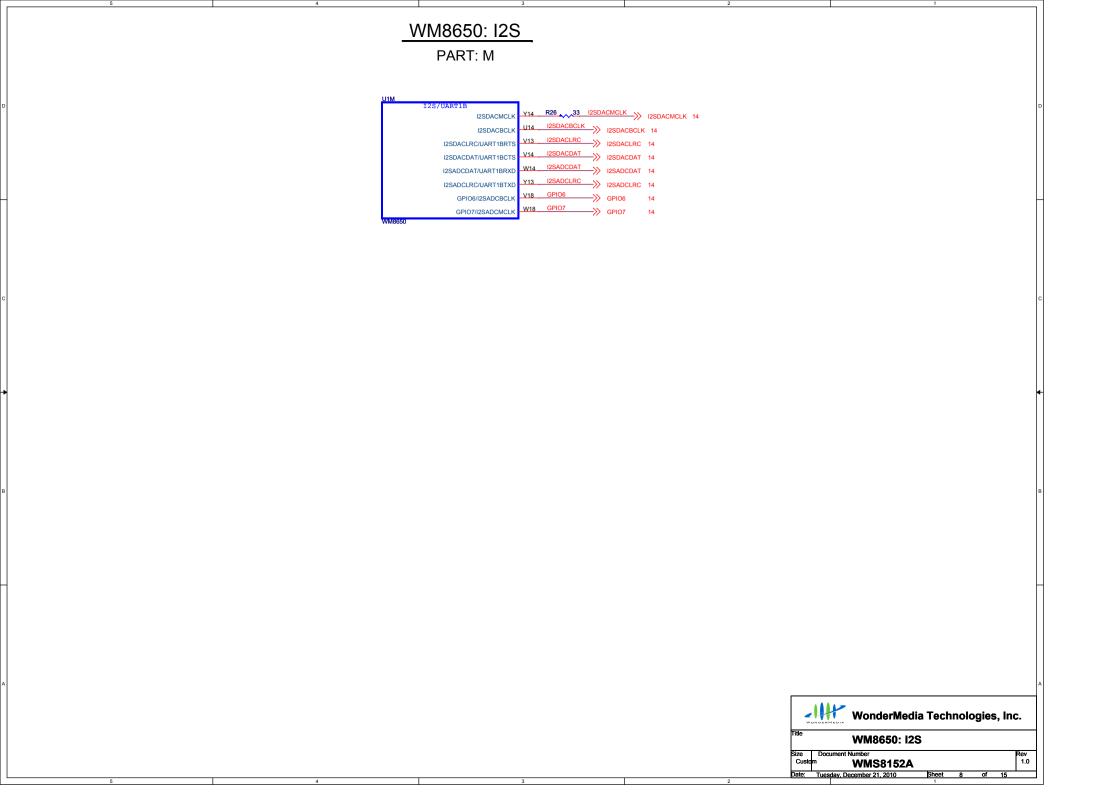


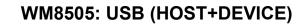




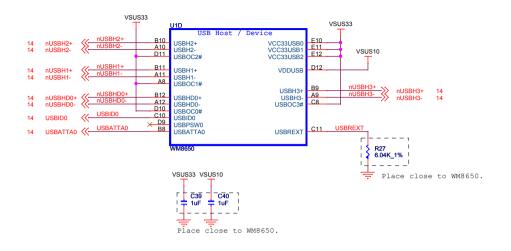




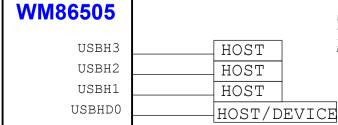




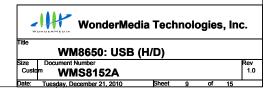
PART: D



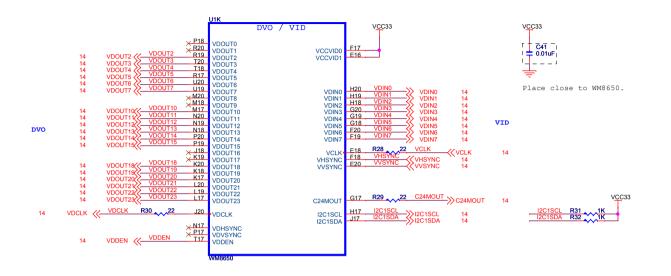
(USBH3) to (USBH2) to (USBH1) to (USBHD0) to USB mini-AB connector.



Wakeup signal (USBATTA) is asserted from external USB-Host only.
If WM8650 at USB-Host mode, should ignore USBATTA

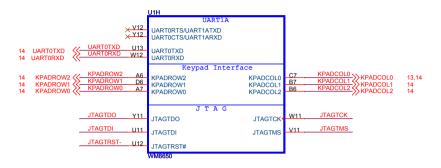


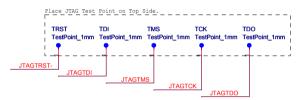
WM8650: DVO/VID





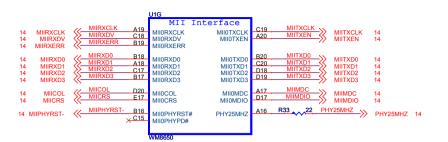
WM8650: UART/KEYPAD/JTAG PART: H







WM8650: MII PART: G





Strapping Option

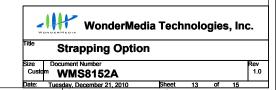
Pin	Internal Pull up/down	Default	Description
KPADCOL0	pull down	0	Inert PWRBTN# 0:debounced for a few cycles 1:kept 2s to trigger

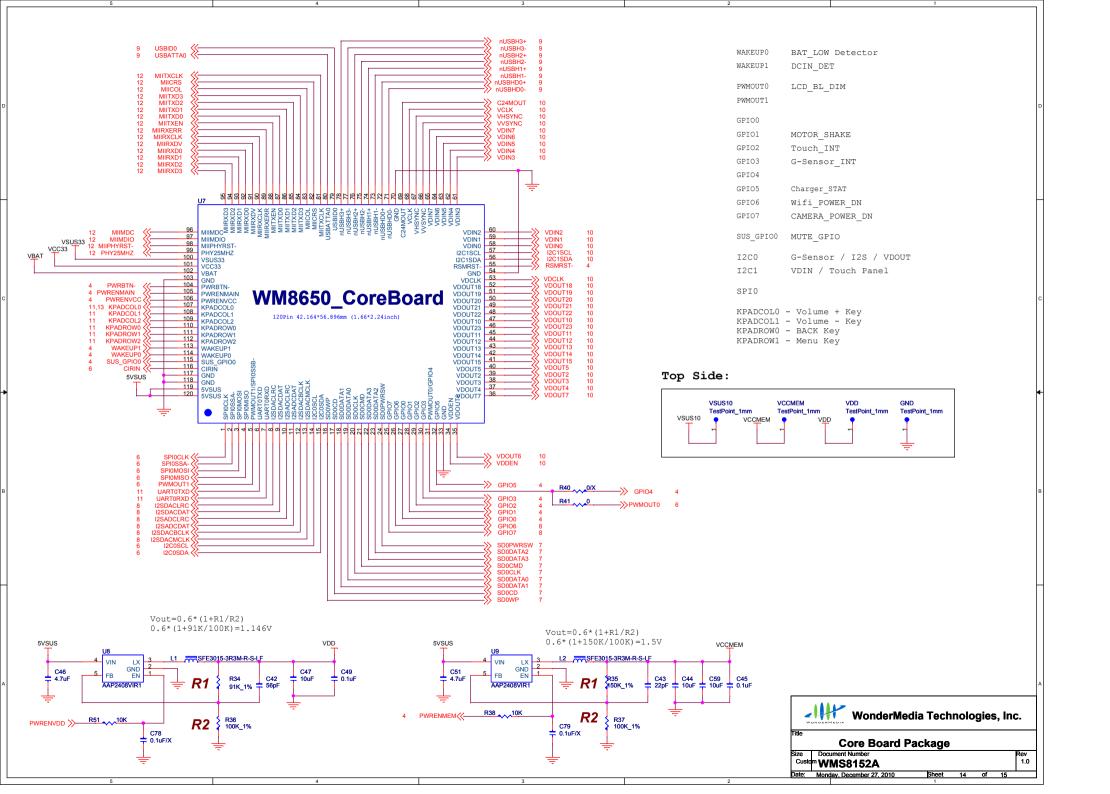
VSUS33

R39 V4.7K/X KPADCOLO XKPADCOLO 11,14

WARMING:

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

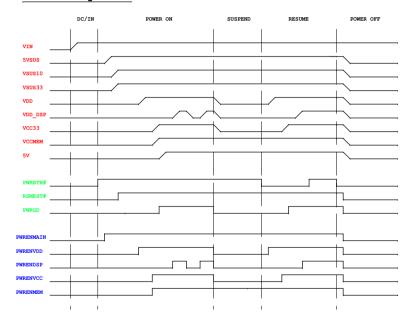




Version History

Version	Modify Content	Responsibility	Date
WMS8152A	Initial released.	Sunday Liang	2010/12/21

Power Sequence:



WonderMedia Technologies, Inc.

Title

Version History

Size Document Number
Custom WMS8152A

Date: Tuesday, December 21, 2010 Sheet 15 of 15