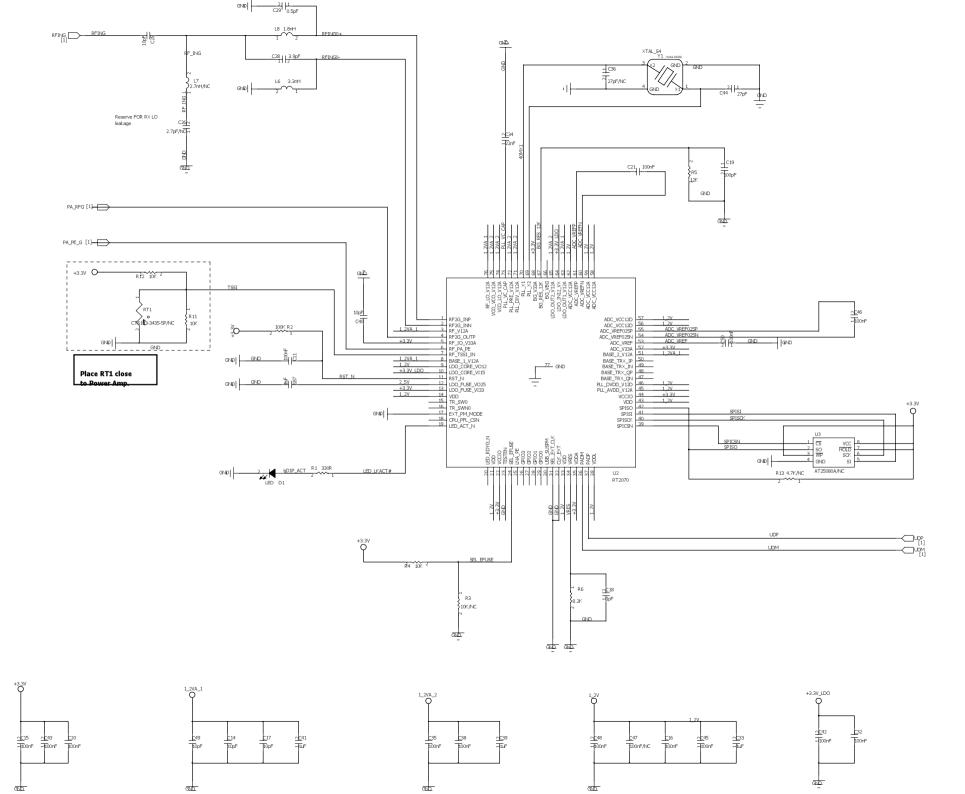


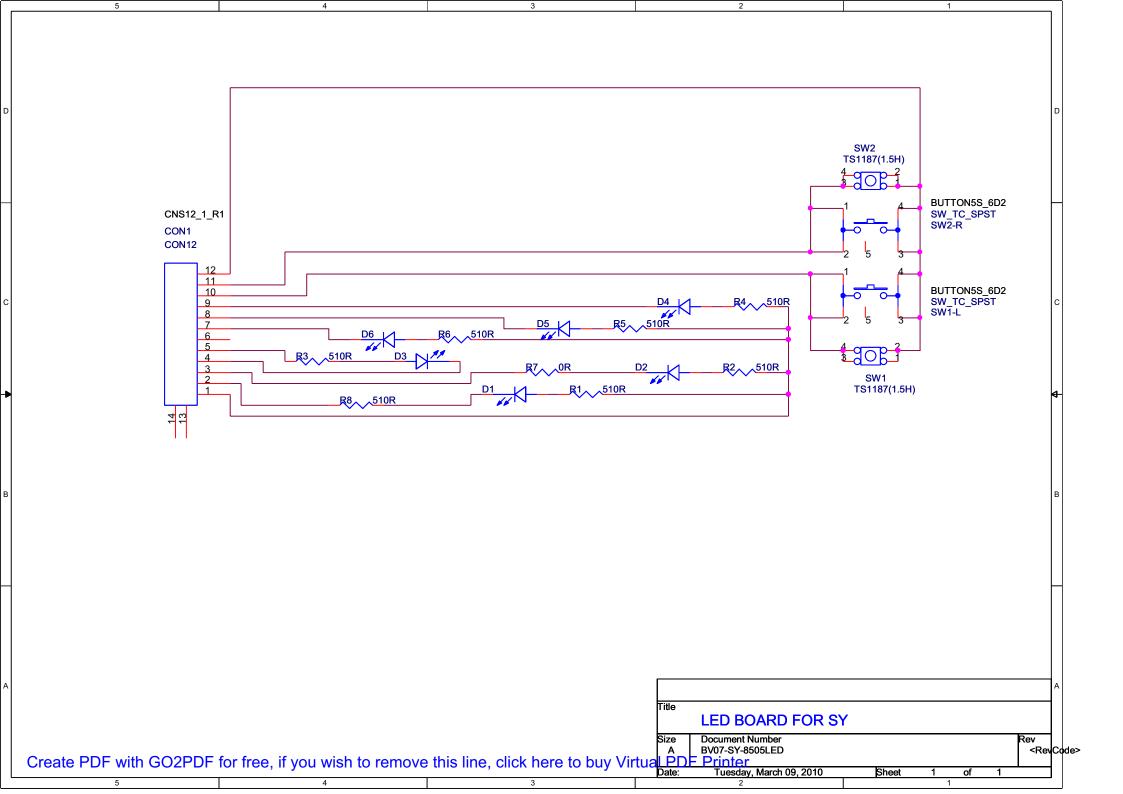
+3.3V_LD0

C23 1nF

10uF/6.53

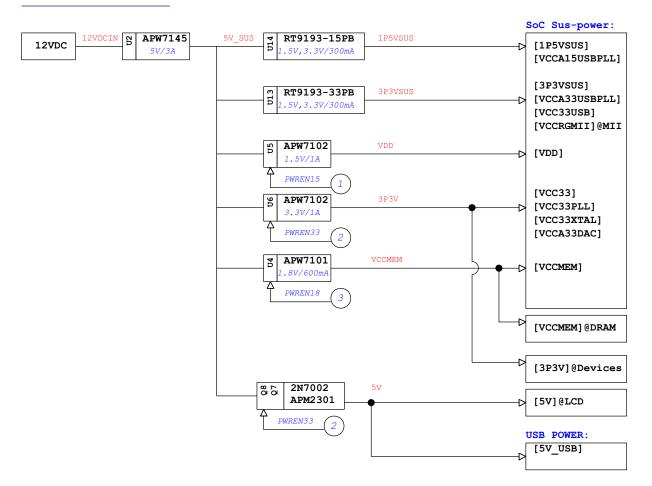
GND



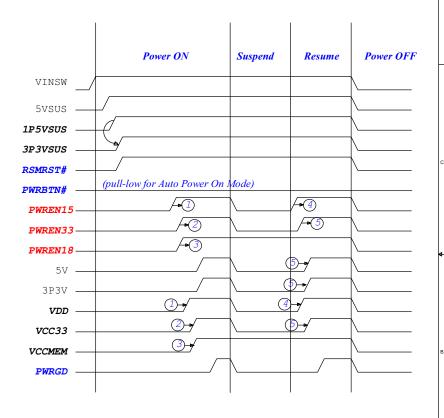


Power Tree & Power Sequence

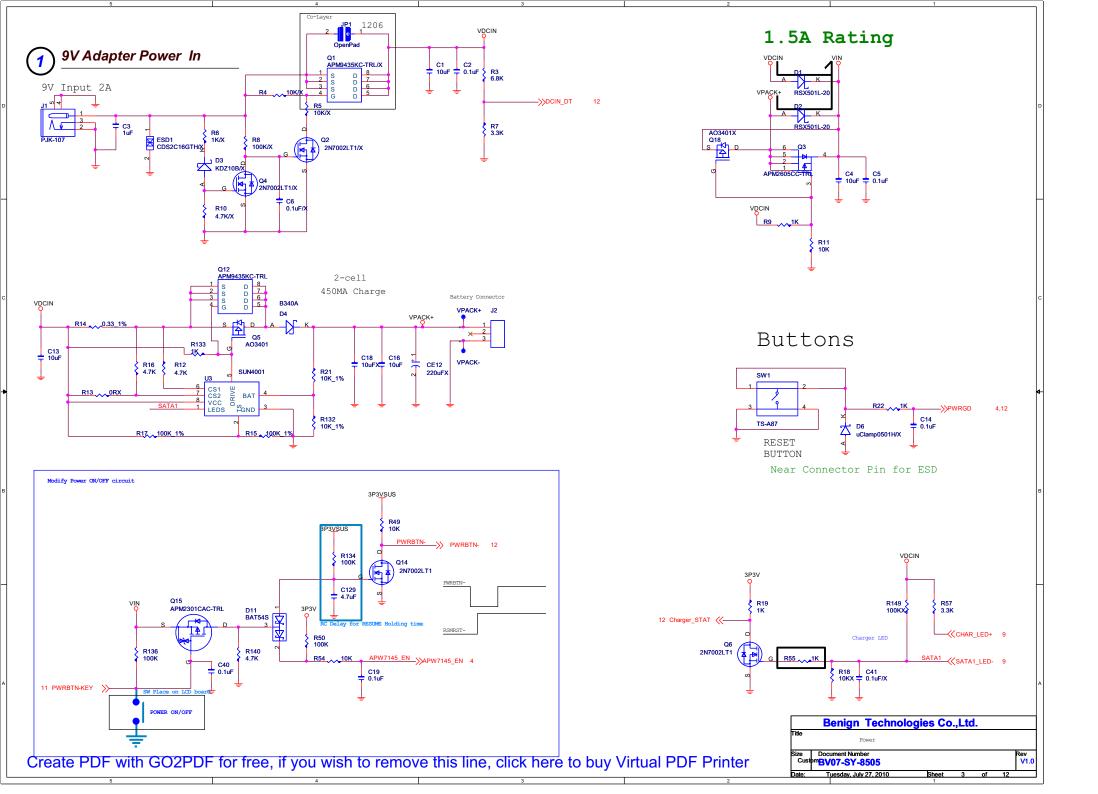
POWER TREE:

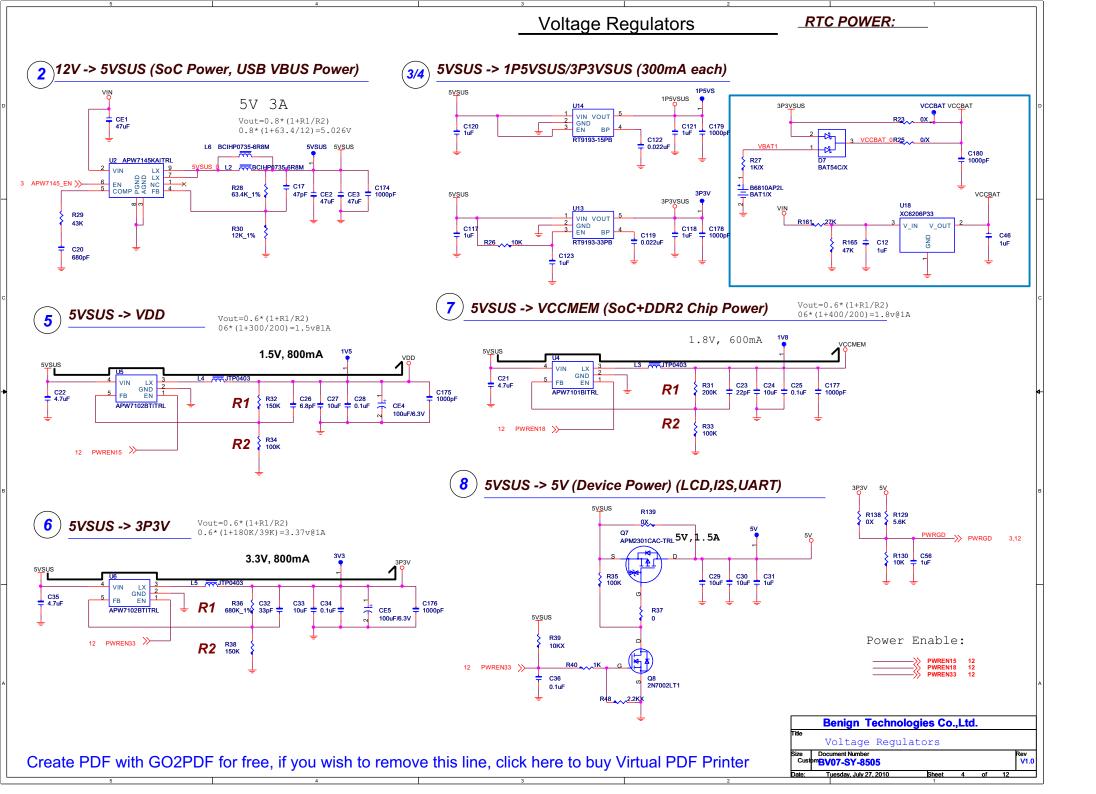


POWER SEQUENCE:

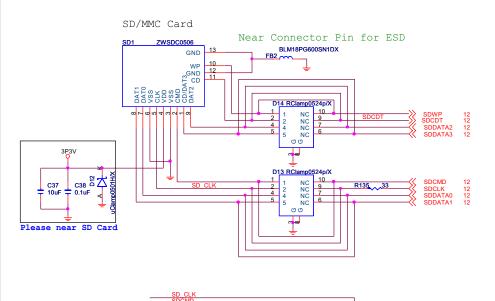


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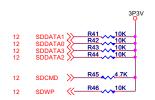


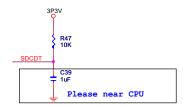
SD Socket (SD/MMC only)



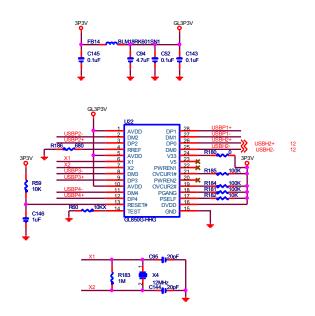
C244 C245 C246 C247 C248 C249
25pFX 25pFX 25pFX 25pFX 15pF

PU Resistors:



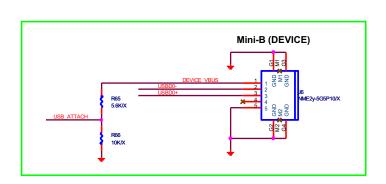


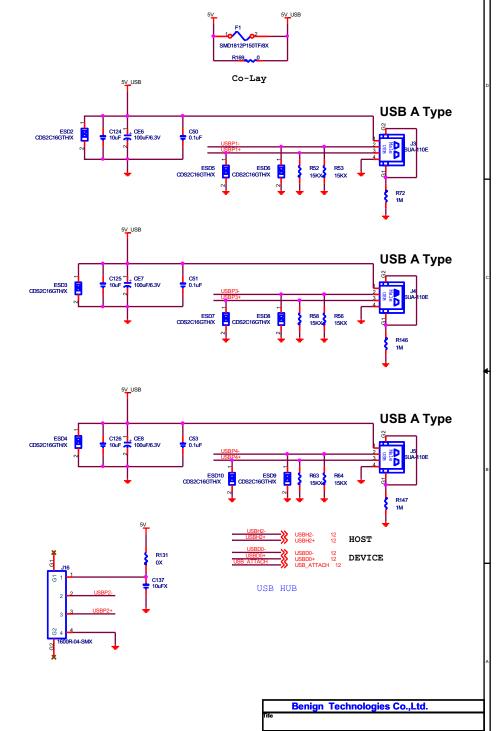
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GL850G-SSOP28 chip version and schematic option

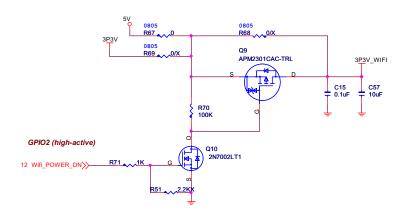
| | Down Port LED | Power Switch | 24C02 |
|-----------|---------------|-----------------|-------|
| GL850G-21 | | v | |
| GL850G-22 | v | | v |
| GL850G-11 | | V 2Port only | |
| GL850G-13 | | V 2Port only | V |





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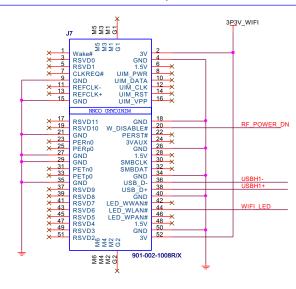
3.3V WiFi POWER:

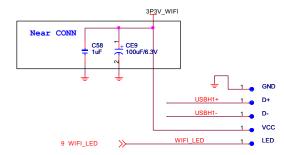


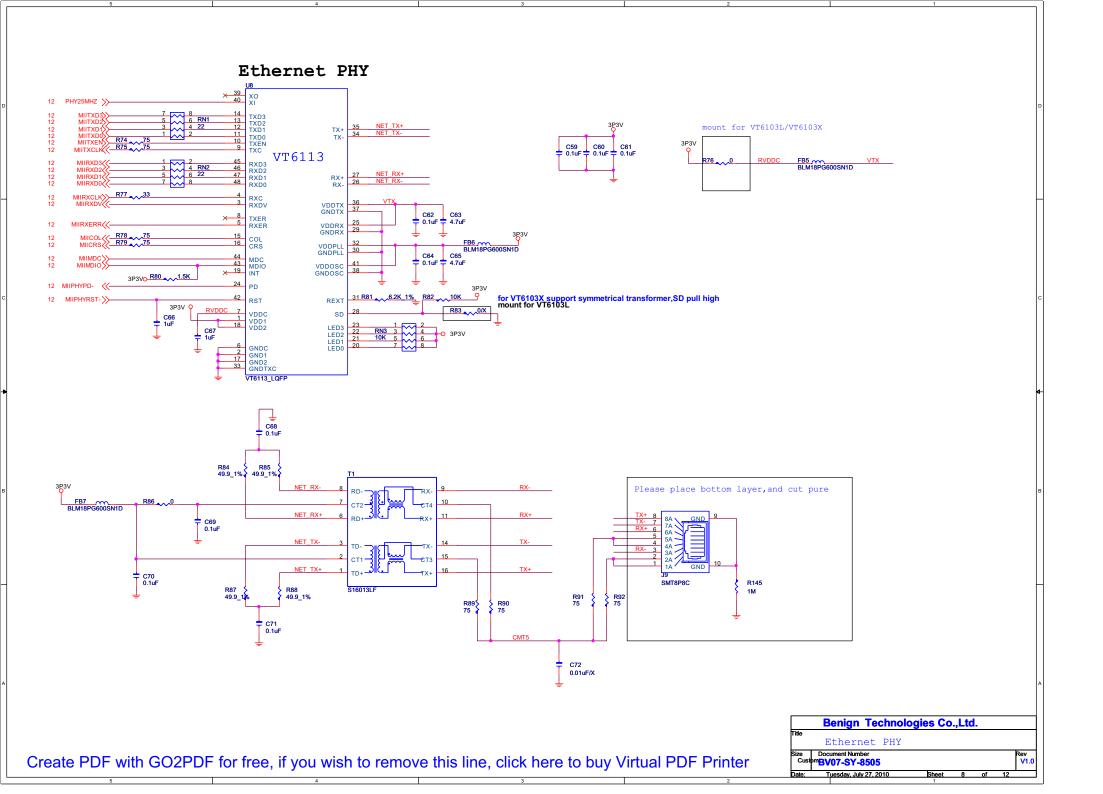




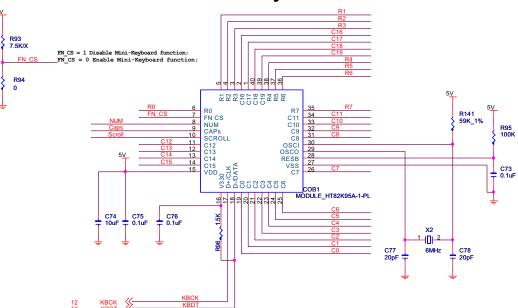
WiFi Mini-Card Connector (ref to standard PCIE-minicard)

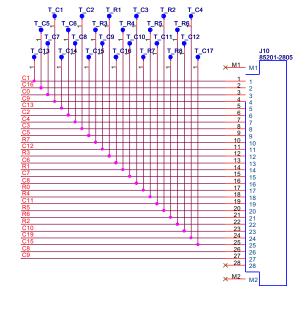


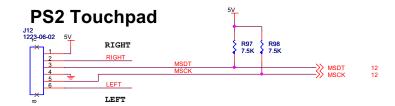




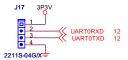
PS2/USB Keyboard

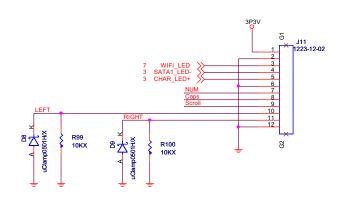




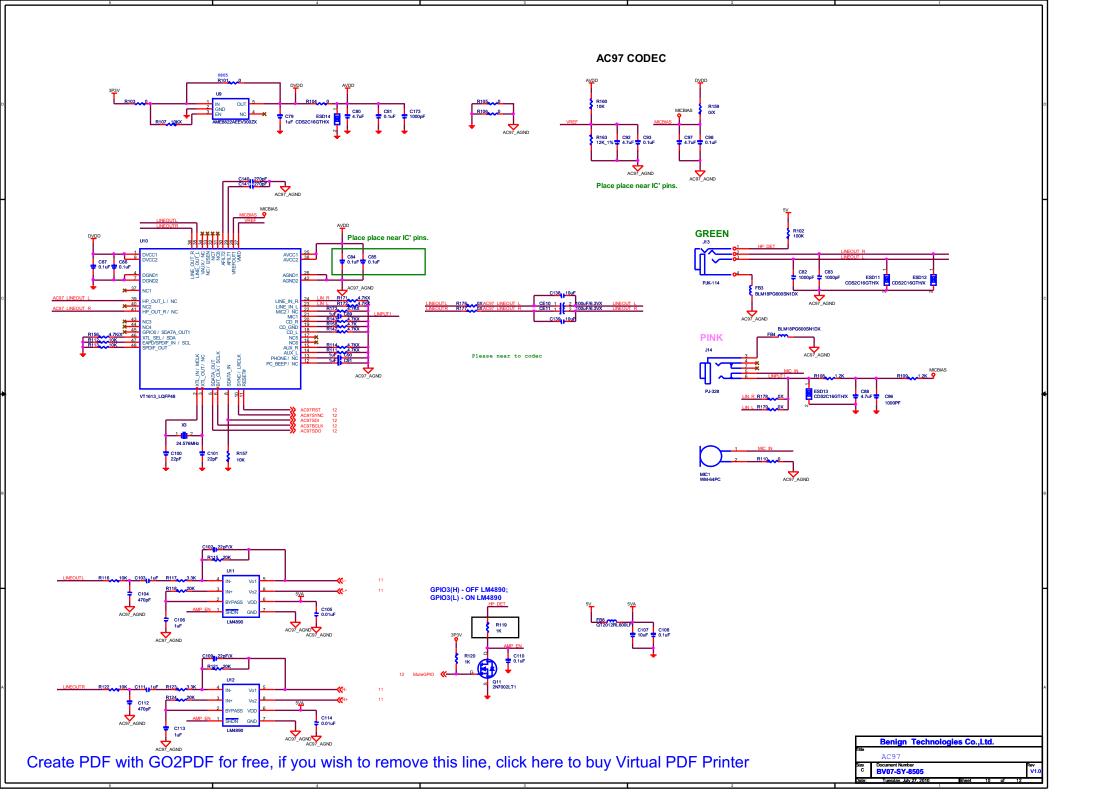


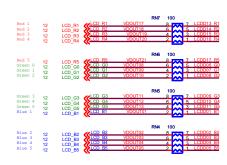
Reversed for debug

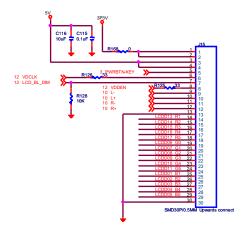




| | Benign Techno | logies Co | .,Ltd | | |
|-------|----------------------------|-----------|-------|--|-----|
| Title | - | | | | |
| | KB | | | | |
| Size | Document Number | | | | Rev |
| Cust | ^{pm} BV07-SY-8505 | | | | V1 |
| | | Sheet | | | |







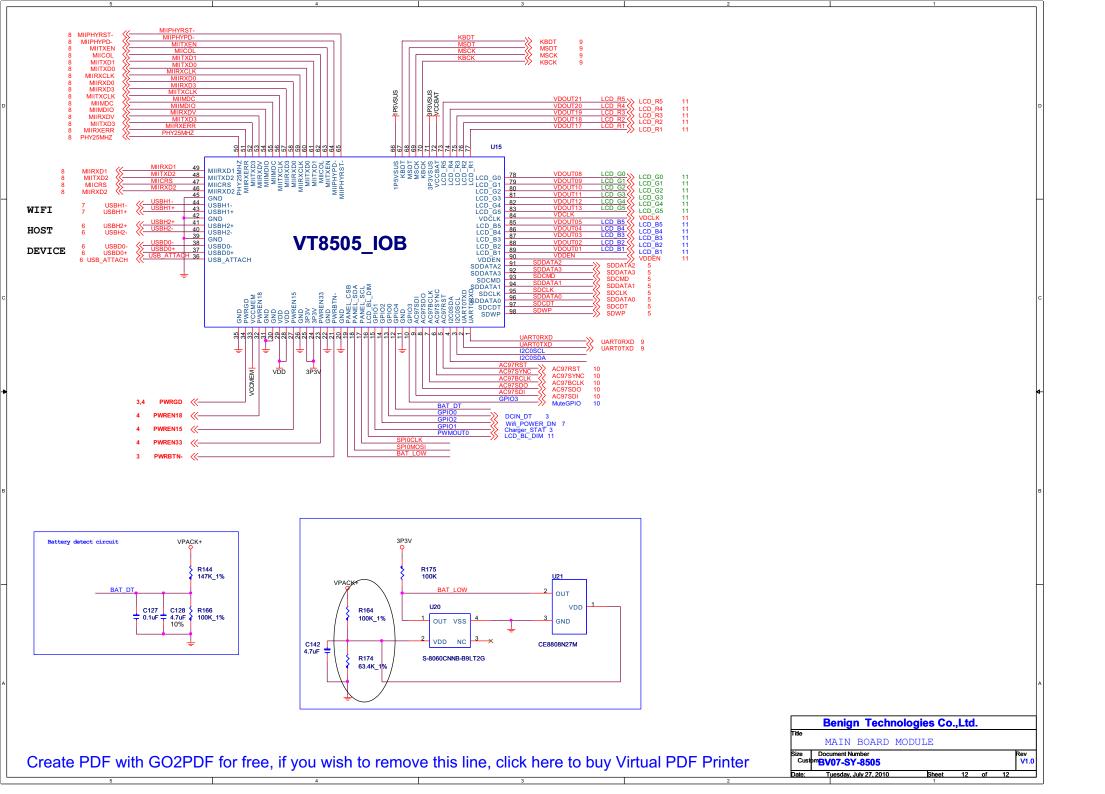
LCD
Size Cocument Number
BV07-SY-8505

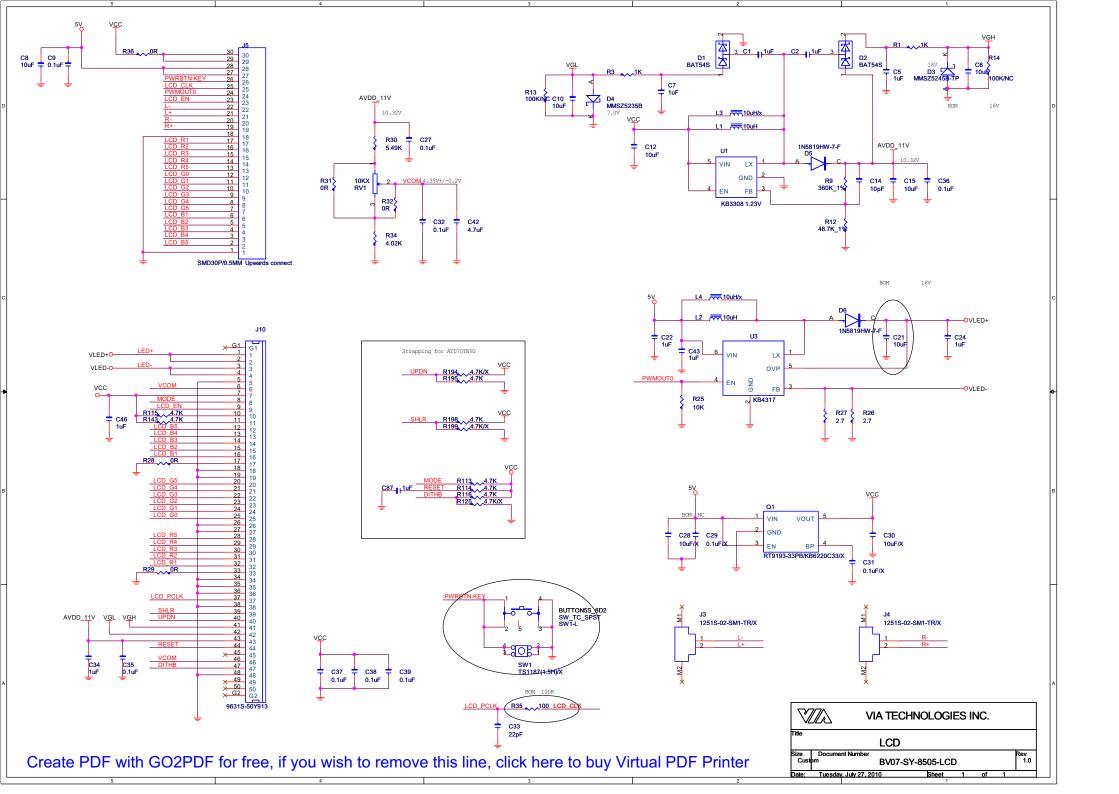
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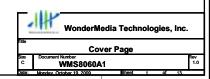
Ite: Tuesday, July 27, 2010 | Bheet 11

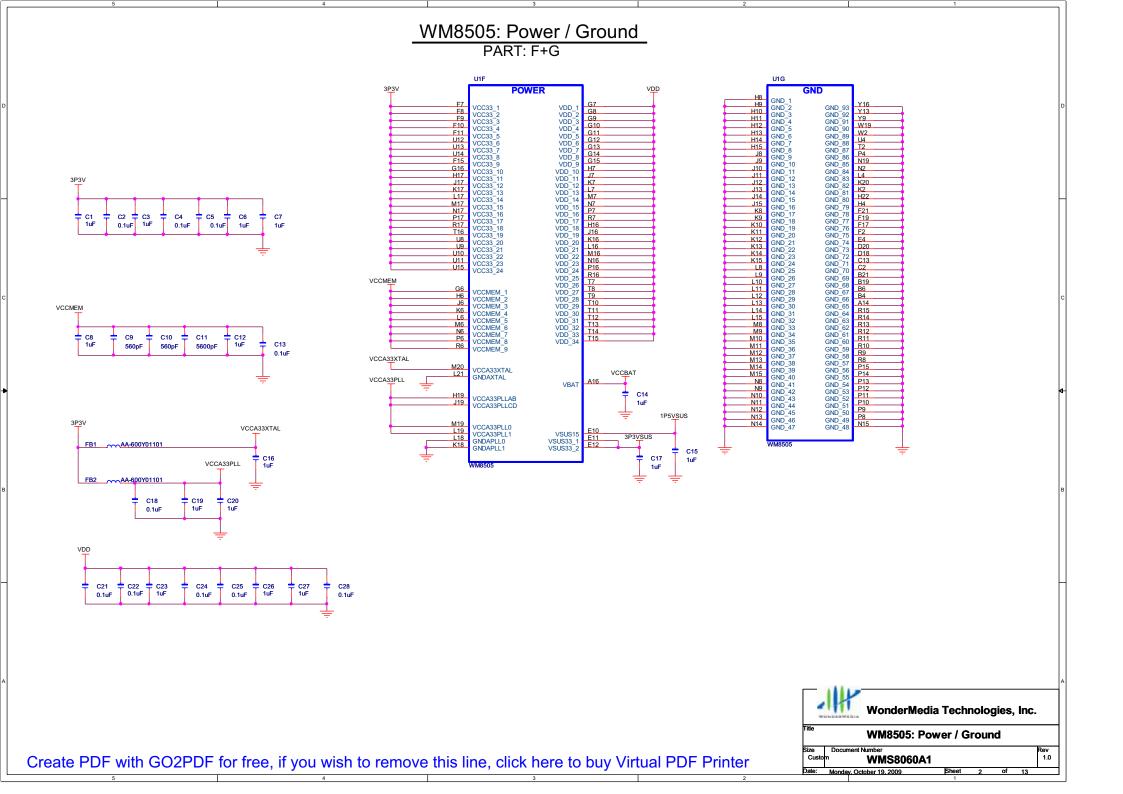
Benign Technologies Co.,Ltd.

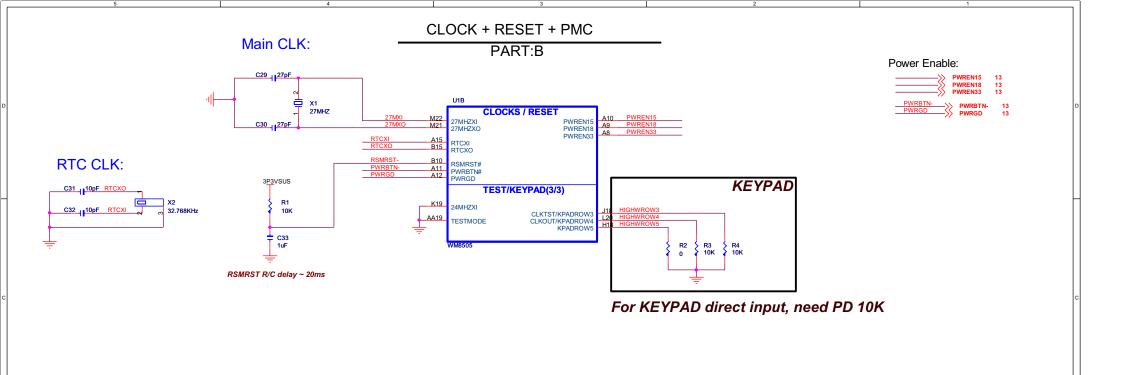


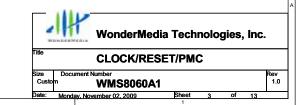


| TITLE | PAGE |
|--------------------------|------|
| COVER PAGE | 01 |
| POWER TREE | 02 |
| POWER REGULATOR | 03 |
| WM8505 VCC/GND | 04 |
| WM8505 CLOCK/RESET | 05 |
| WM8505 DDR2/DRAM | 06 |
| WM8505 NAND/SF/SPI/PWM | 07 |
| WM8505 SD/MMC Connector | 08 |
| WM8505 I2S (Speaker+MIC) | 09 |
| WM8505 USB+WiFi | 10 |
| WM8505 LCD I/F | 11 |
| LCD POWER | 12 |
| WM8505 I2C/KEYPAD | 13 |
| WM8505 STRAPPING+GPIO | 14 |
| WM8505 MII/JTAG/UART/CIR | 15 |
| Revision History | 16 |



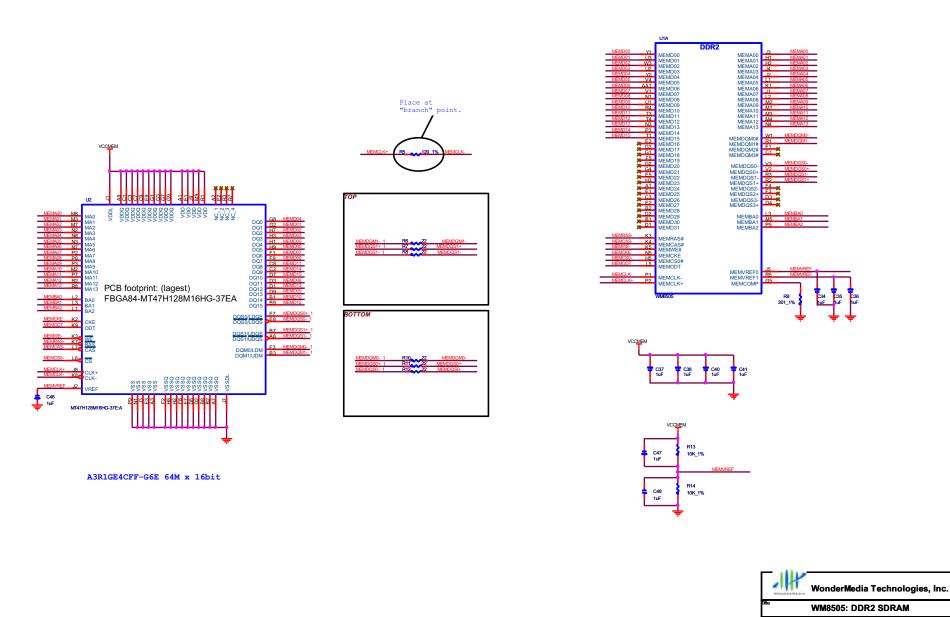




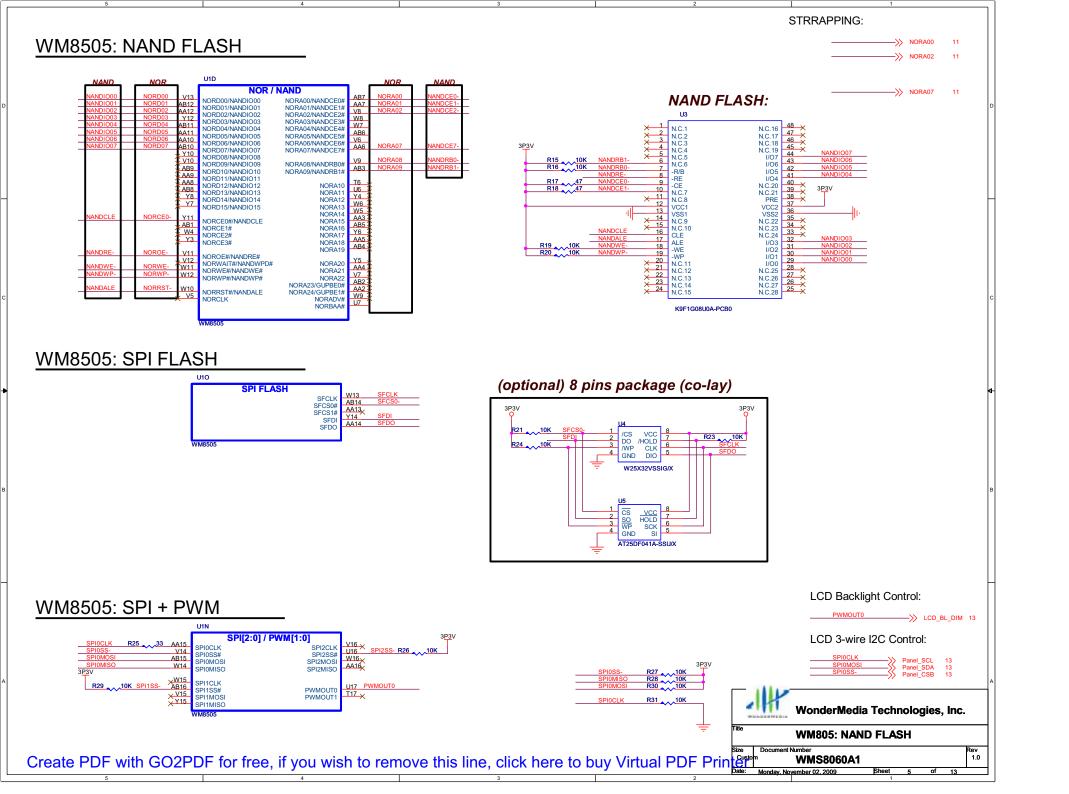


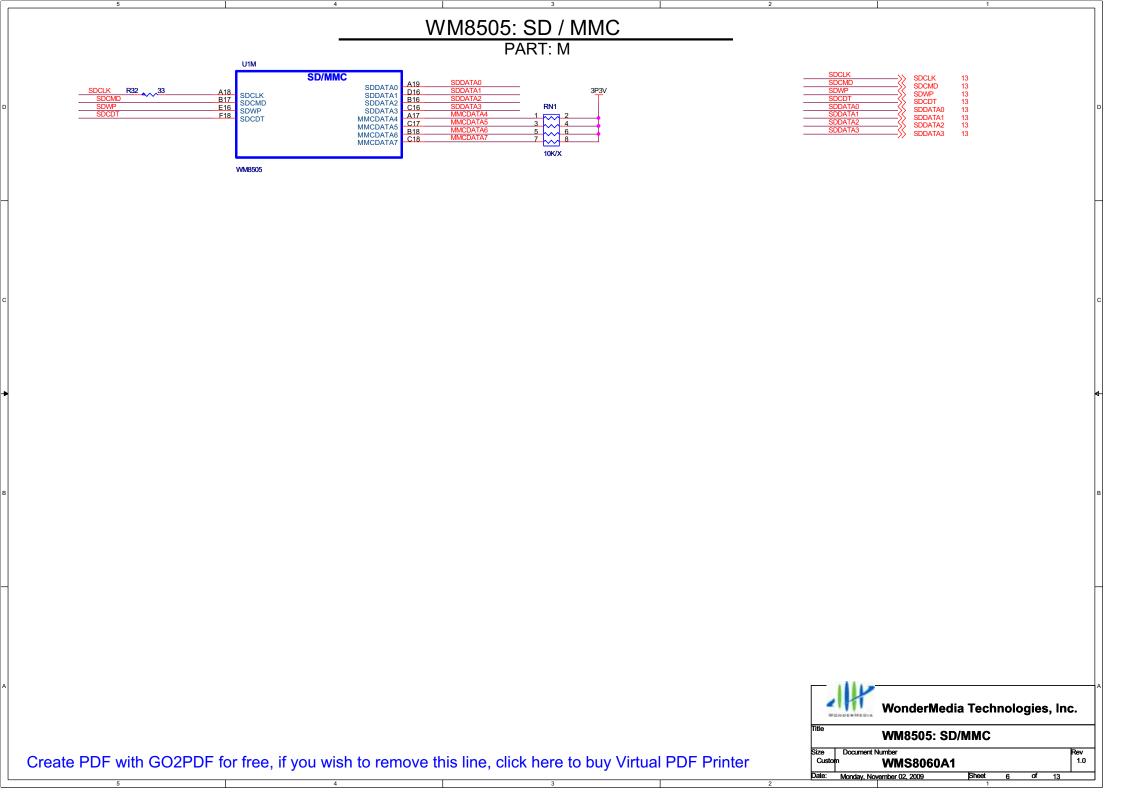
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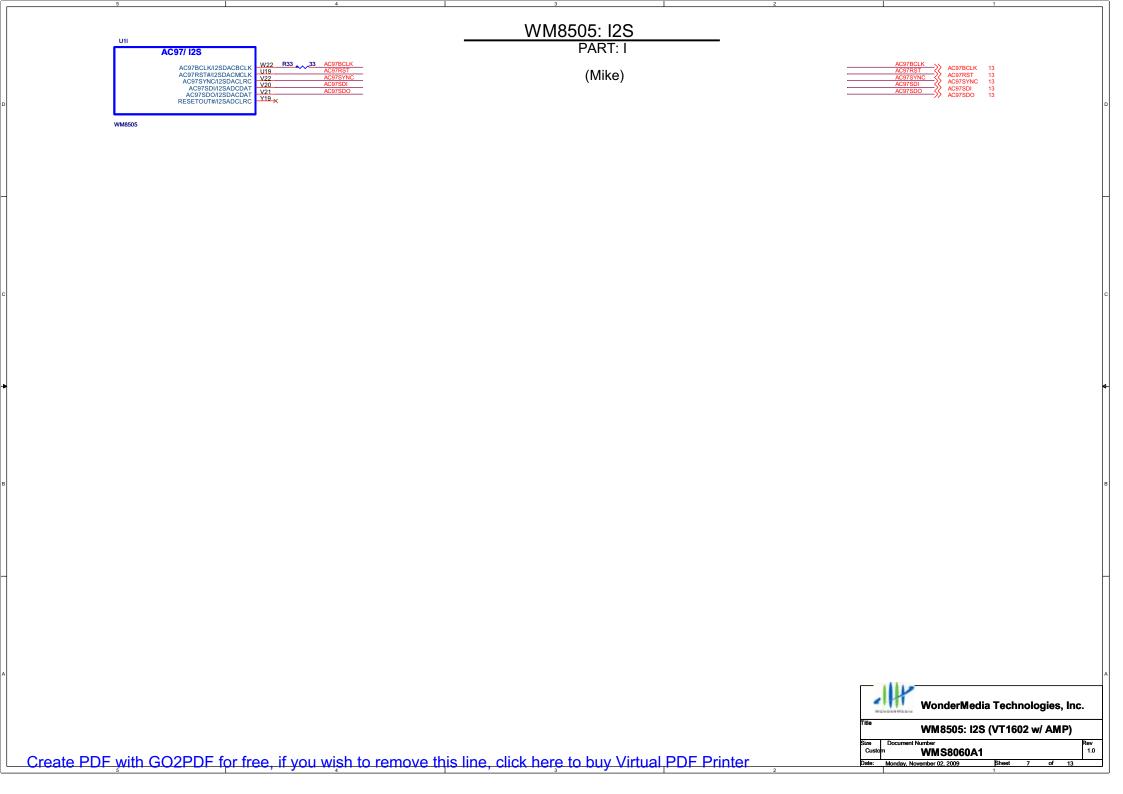
WM8505: DDR2 SDRAM

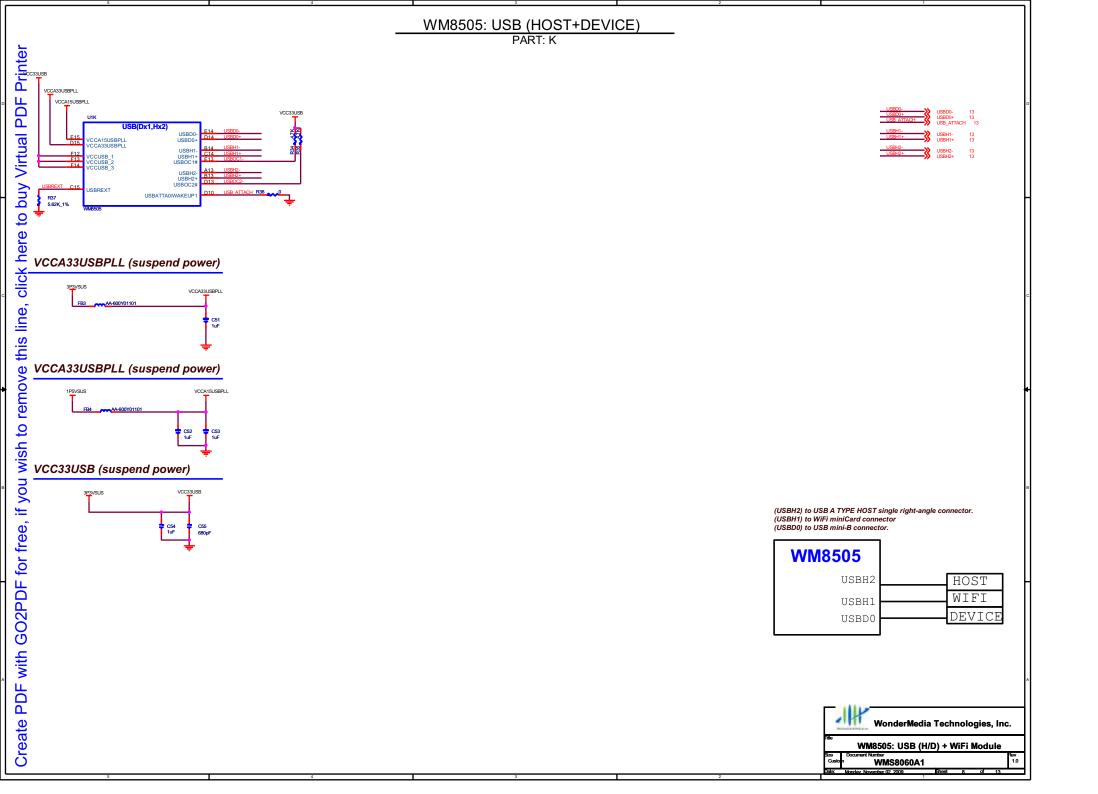


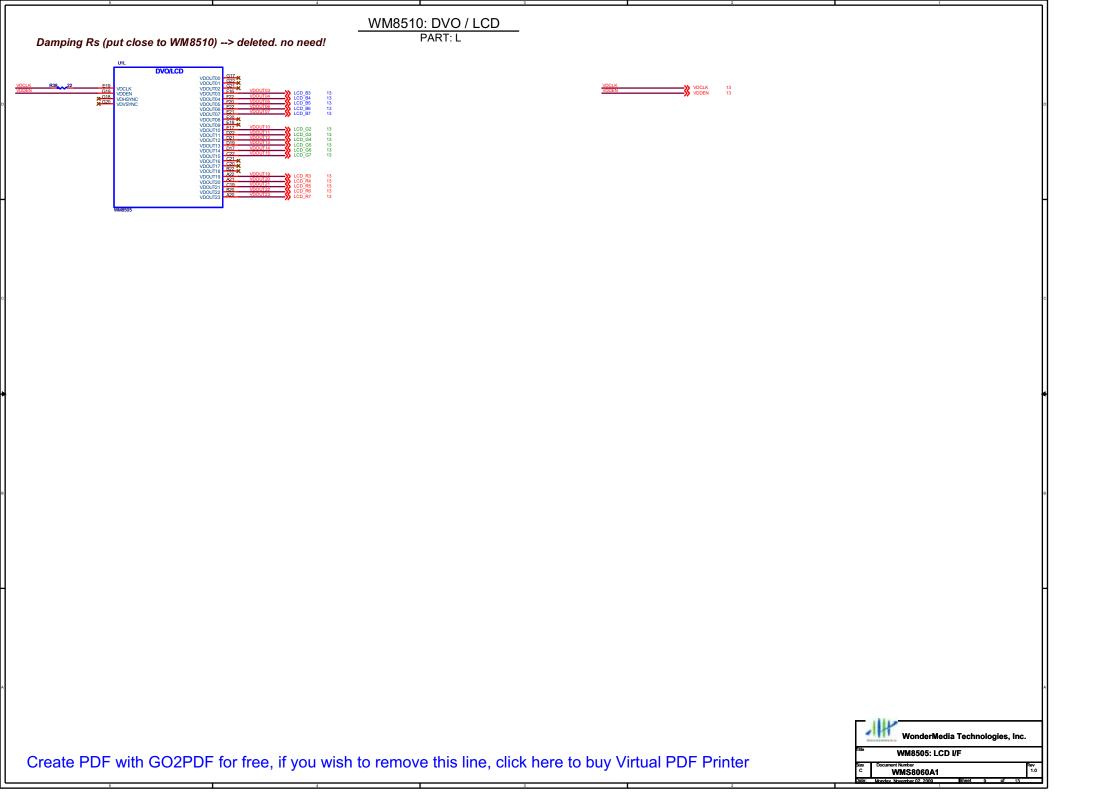
WMS8060A1





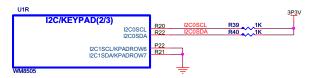






WM8505: I2C / KEYPAD

PART: R



I2C ADDRESS TABLE:

| BUS | DEVICE | FUNCTION | ADDRESS | |
|------|--------|-----------|---------|--|
| I2C0 | VT1602 | I2S Codec | 0x34 | |

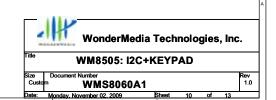
VGA EDID:



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:

GPI07

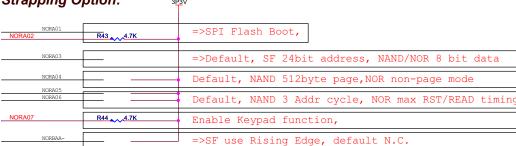
| GPI00 | DCIN |
|-------|---------------|
| GPIO1 | CHARGE |
| GPIO2 | Wifi_POWER_DN |
| GPIO3 | MuteGPIO |
| GPIO4 | RF_POWER_DN |
| GPIO5 | GPIO5 |
| GPIO6 | GPIO6 |

DCIN Detect
CHAEGE STATE
Wifi_POWER_DN
AC97/I2S Amp ShutDown/Mute GPIO:

AC97/I2S Amp ShutDown/Mute GPIO: RF_PWRDN Light INT

To MP1530 LCD Power ENABLE SD Card Power

Strapping Option:



LCD CONTROL:

Detect DCIN

Mute GPIO:

STRRAPPING:

USB2 to WiFi Module:

—>>> NORA00 5

—>> NORA07

—≫ MuteGPIO 13

→>> DCIN

→>> Wifi_POWER_DN 13

| GPIO1 | >> TPINT | 13 |
|-------|--|----|
| | // | |
| GPIO5 | | 13 |
| | | |
| GPIO6 | ————————————————————————————————————— | 13 |
| GPIO7 | | |
| GPIOI | —————————————————————————————————————— | 13 |

* IMPORTANT: Need PD in normal use



STRAPPING TABLE:

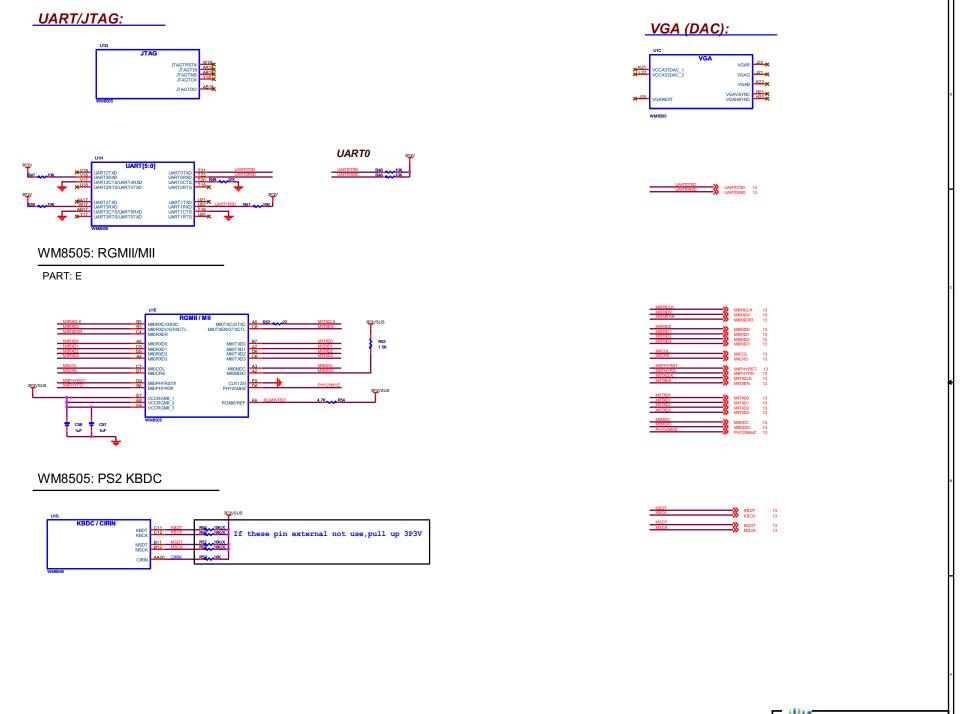
| PIN_NAME | RS | ON/OFF | Internal | DESCRIPTIONS | |
|-------------|-------------|---------|----------|---|--|
| NORA0 | R98 | ON | PD | Debug Mode, default PD ext. | |
| NORA[2:1] | R221,R109 | | PD, PD | NOR Boot | |
| | | ON-OFF | | =>SPI Flash Boot, | |
| NORA3 | R220, | OFF | PD | =>Default, SF 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 timi | |
| | | | | 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:E | 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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| WonderMedia Technologies, Inc. | | | | | | | |
|--------------------------------|------------------------------|-------|----|----|----|------------|--|
| Title WM8505: STRAPPING + GPIO | | | | | | | |
| Size Custo | Document Number m WMS8060A1 | | | | | Rev 1.0 | |
| Data: | Manday Navambay 02 2000 | Choot | 44 | ٥f | 42 | | |



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