

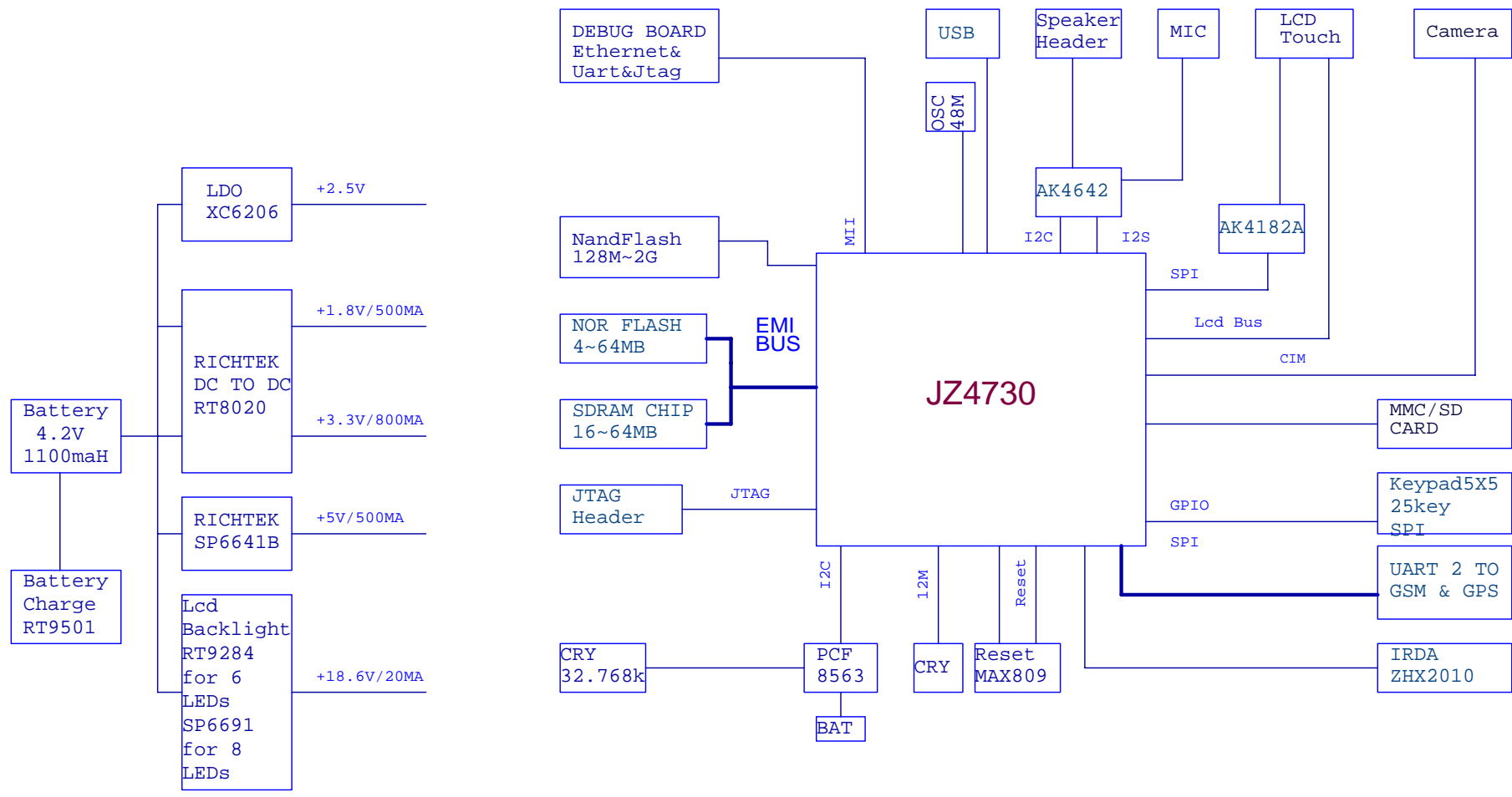


RD4730_PMP Development Board for Jz4730 Schematic Revision 2.2.1

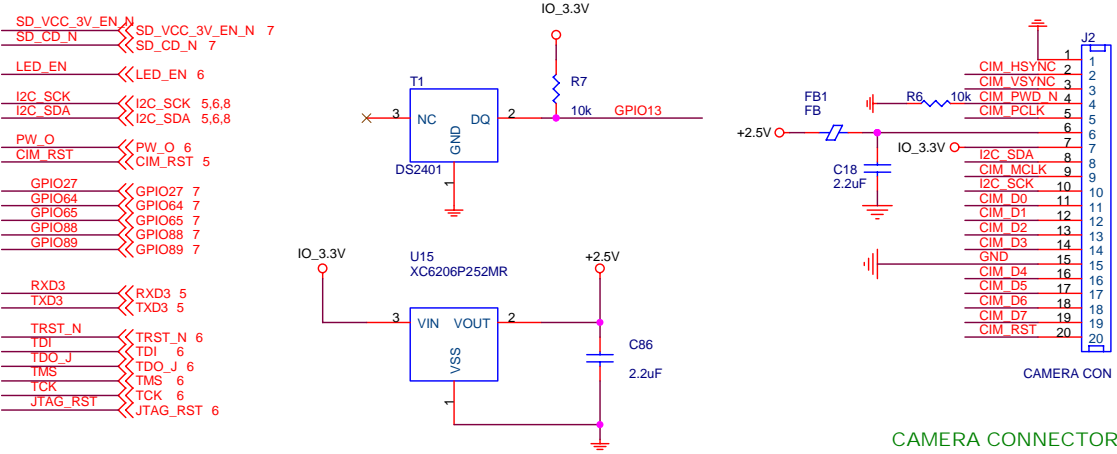
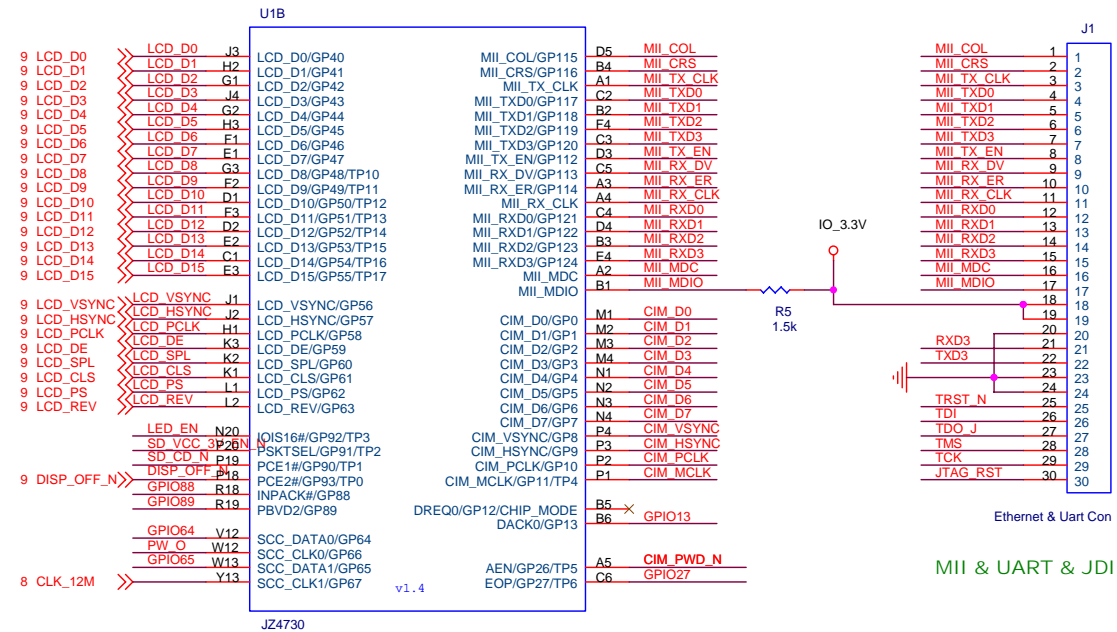
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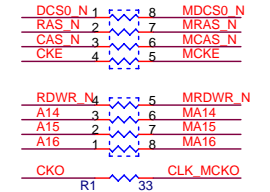
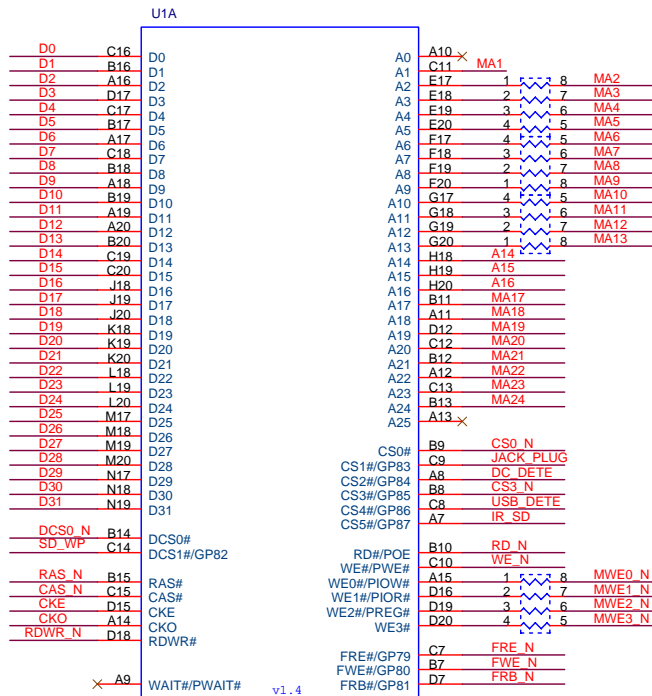
INGENIC Semiconductor Corporation
System Technology Department
Release Data:
2007.4.5

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Title	RD4730_PMP Development Board	
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B	COVER	2.2.1
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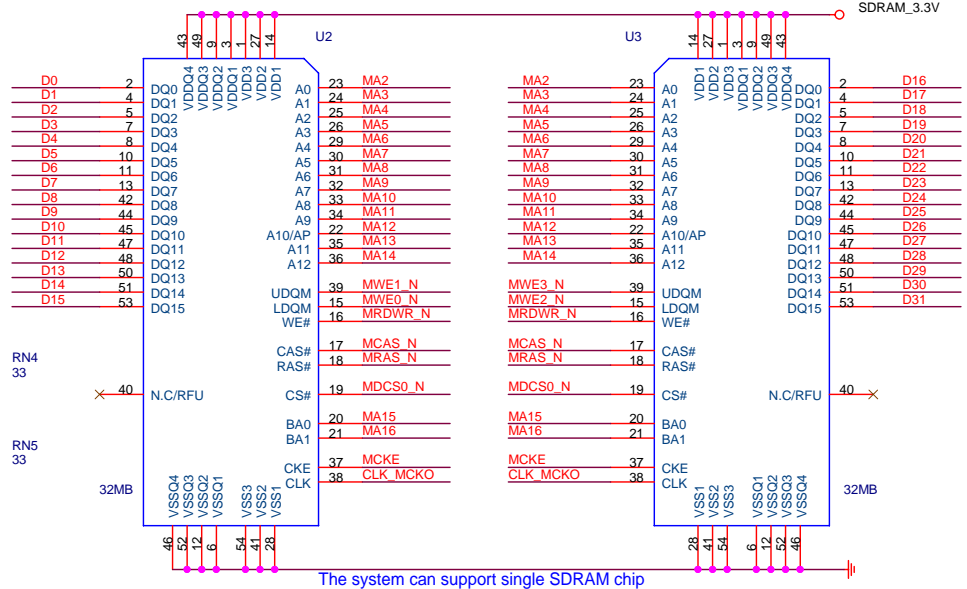


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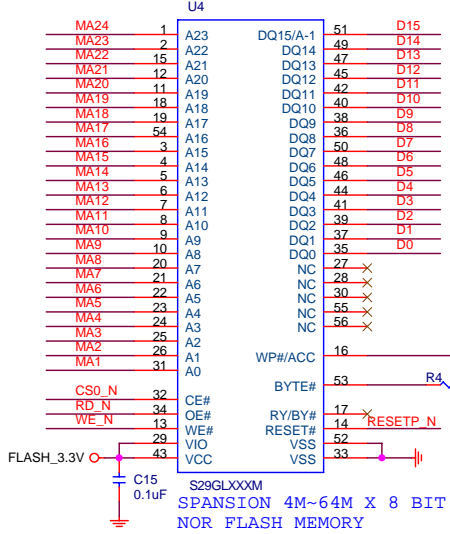




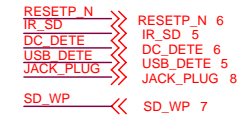
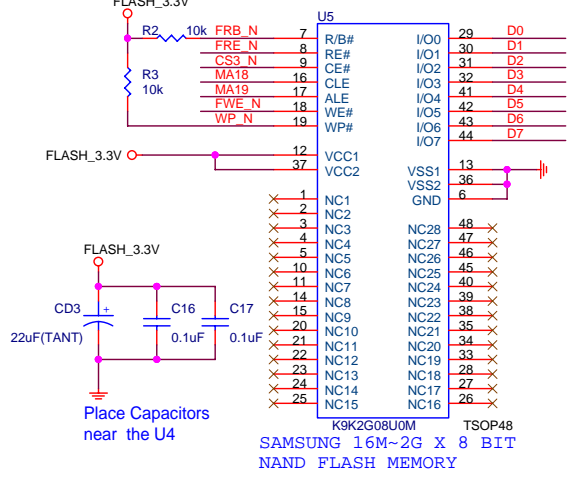
DUAL 32M Byte SDRAM chip



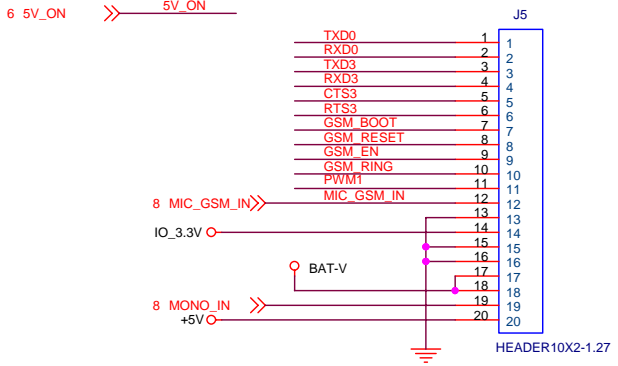
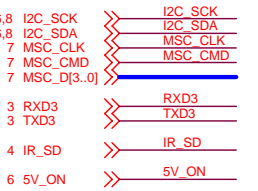
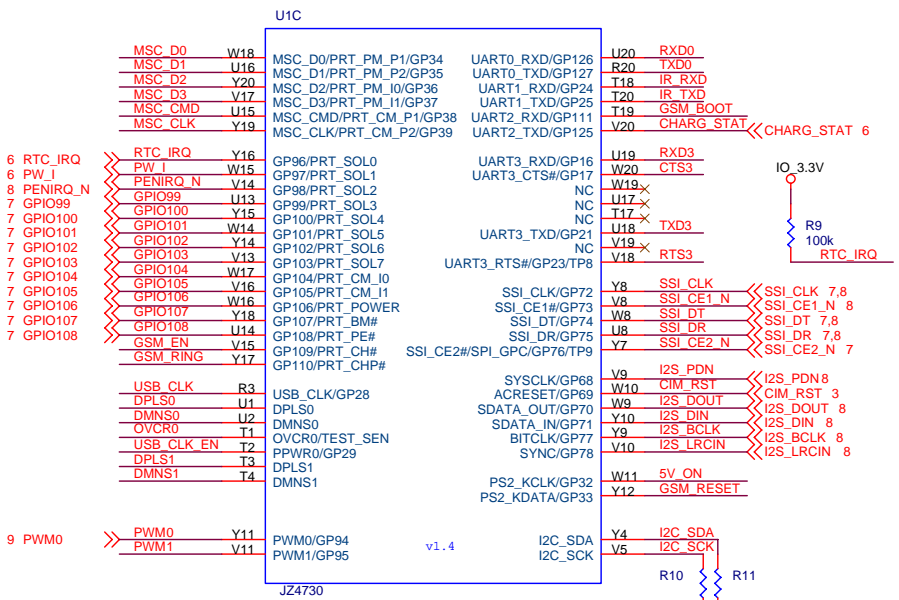
NOR Flash



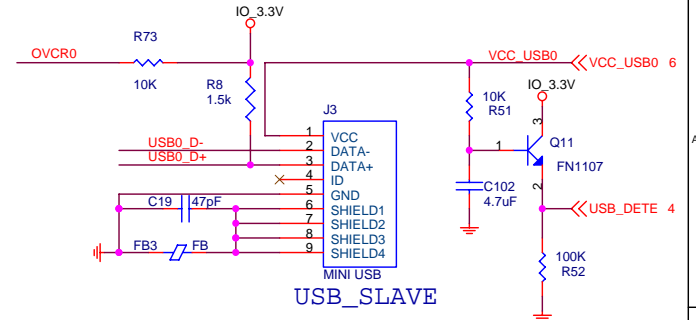
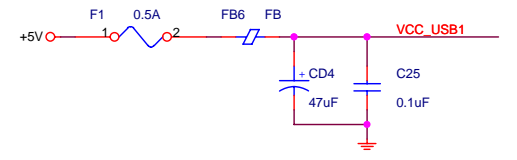
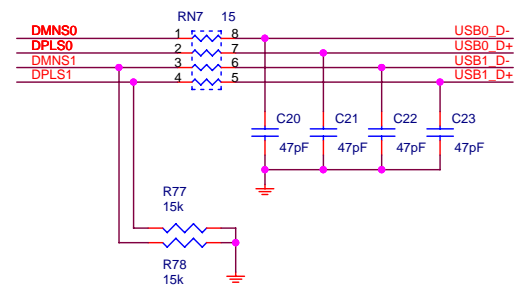
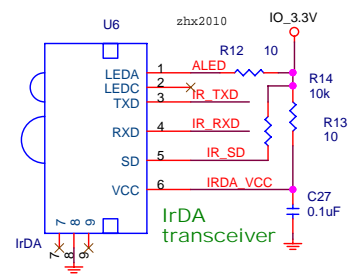
NAND Flash



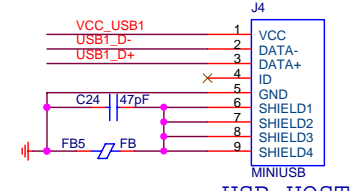
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Title		
RD4730_PMP Development Board		
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B	Memory & Flash	2.2.1
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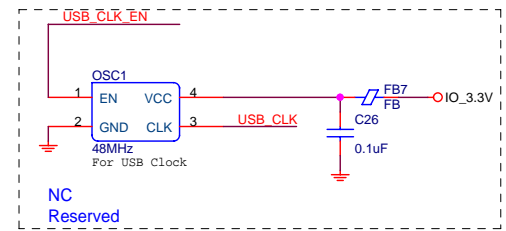
UART & GPS & GSM



USB_SLAVE



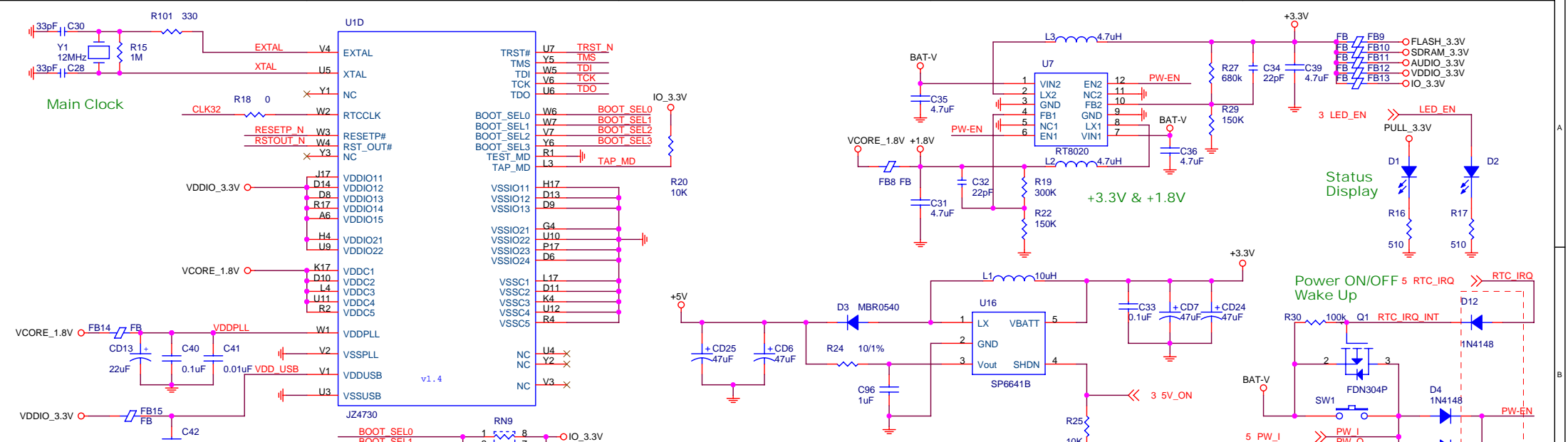
USB_HOST



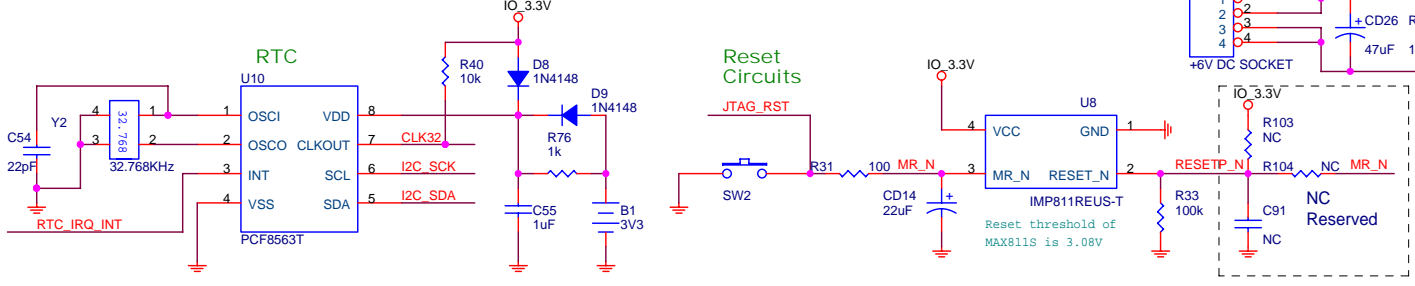
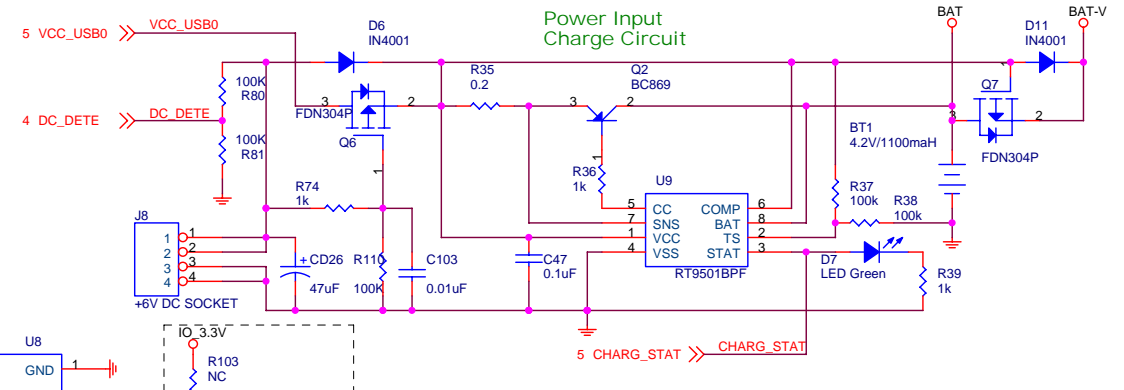
NC Reserved

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B	USB & UART & GPS & GSM	2.2.1
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	BOOT_SEL3	BOOT_SEL2	BOOT_SEL1	BOOT_SEL0
NOR FLASH BOOT	0		0	1
NAND FLASH B 512	1		0	0
NAND FLASH B 2K	1		1	0
NAND ADDRESS 2 CY		0		
NAND ADDRESS 3 CY		1		

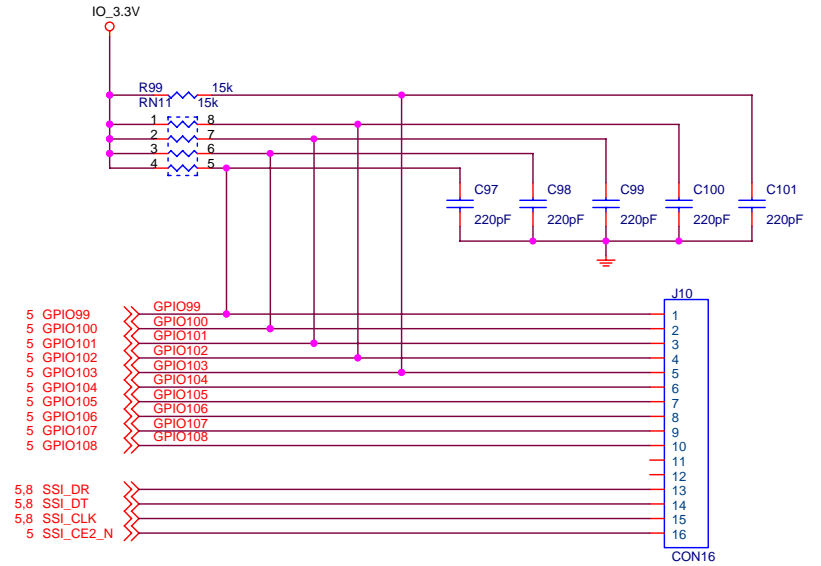
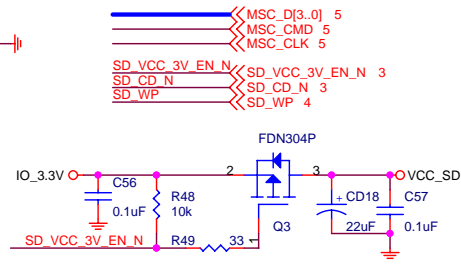
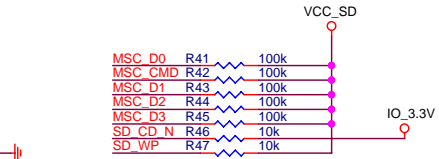
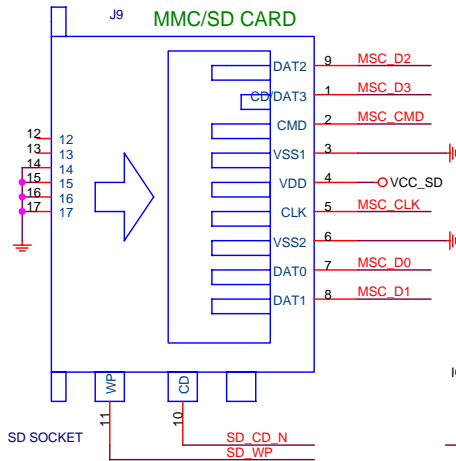


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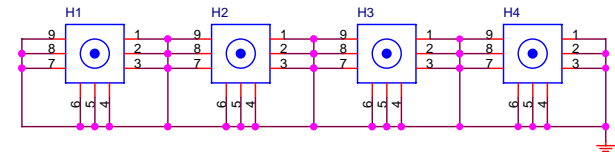
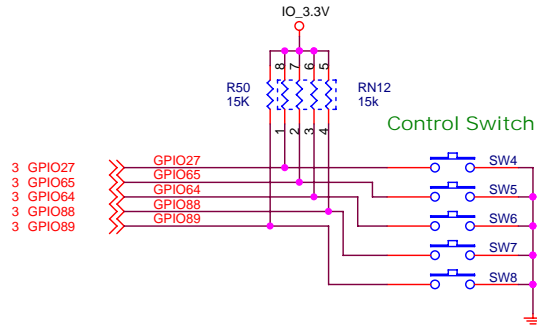
Title: RD4730_PMP Development Board

Size B: Document Number: Power & RTC & JTAG Rev 2.2.1

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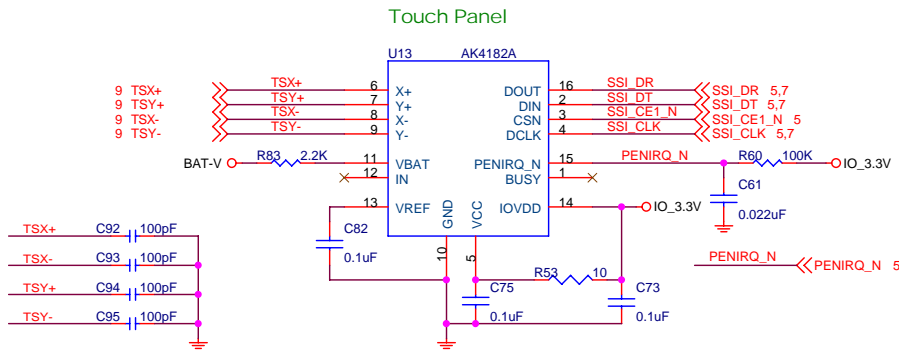
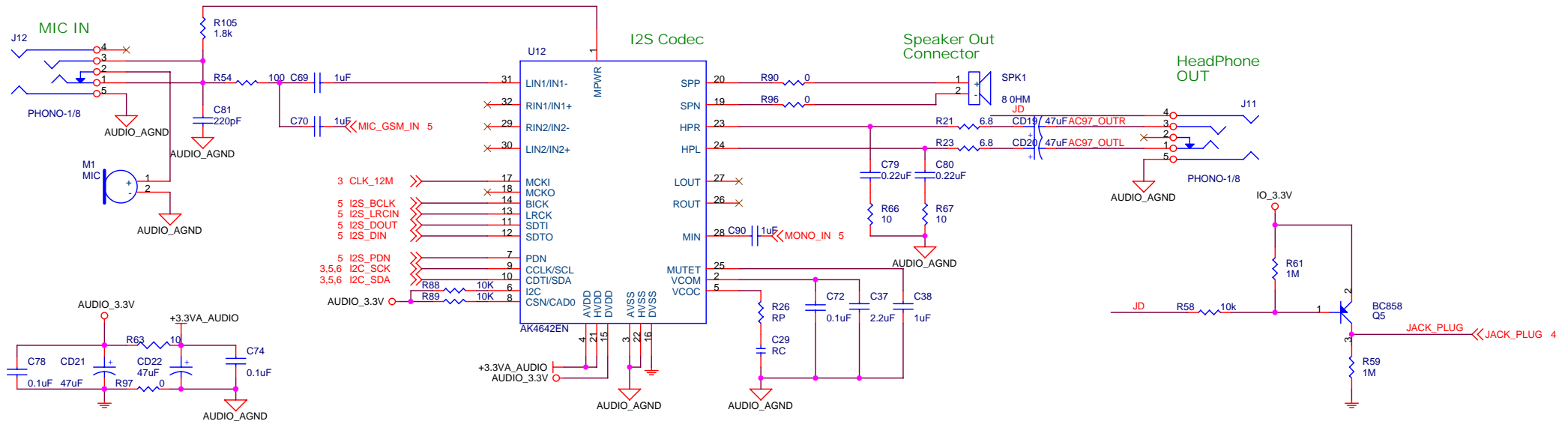


Key Pad
SPI Connector

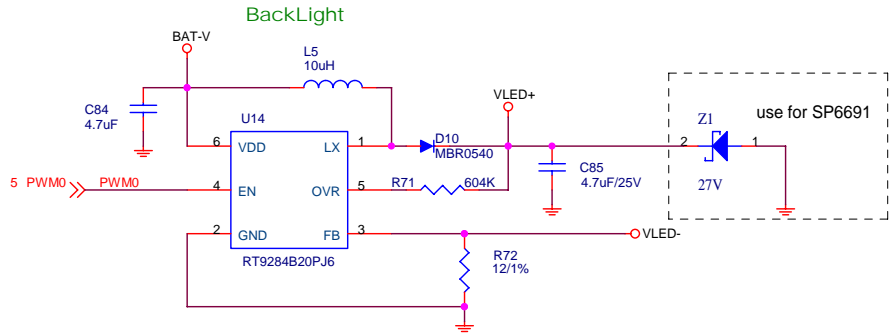


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B	Power switch & Keypad & UART	2.2.1
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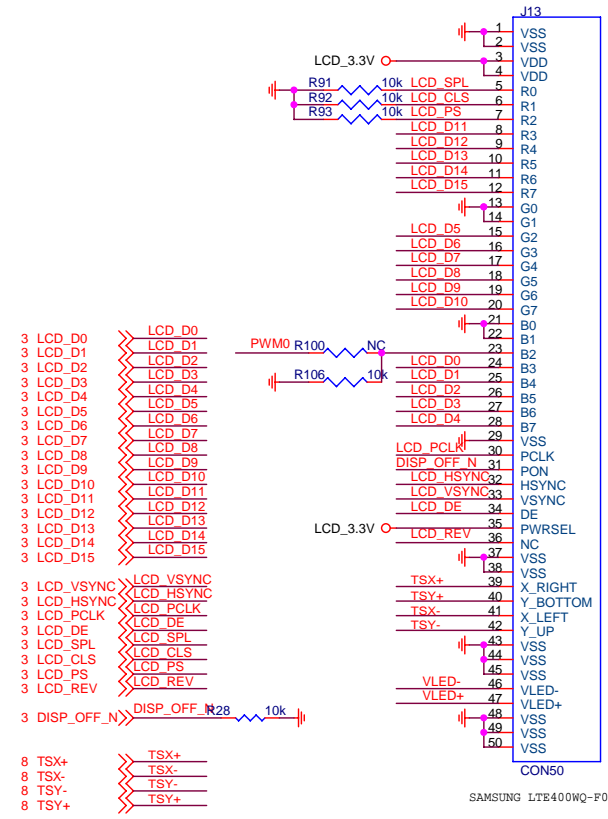
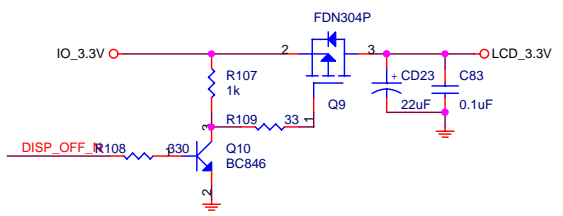


RT9284 for 6LEDs backlight. PWM frequency is 2.5KHz

SP6691 for 8LEDs backlight. PWM frequency is 200Hz.

If use SP6691, remove R71 and revise the value of R72 to 68/1%,. Otherwise, must add a 30V Zener Diode paralleling of C85 to protect the power IC.

SP6691 and RT9284 is Pin to Pin, so don't revise PCB



Data Revision Change

Apr. 17 2006	Rev1.2	1. First released Revision
Jul. 18 2006	Rev1.2.1	<ol style="list-style-type: none"> 1. Delete R79 2. Pull-up OVCR0 3. Add net AUDIO-ON 4. Add Q10, and net BAT-ON, BAT-SW 5. Change design of net RTC_IRQ to net RTC_IRQ_INT + RTC_IRQ, and add D12, R84 6. Connect the shell of SD to GND 7. Change net SD_WP_N to SD_WP, connect to processor GP82 8. Fix bug of net MIC_IN 9. SD_CD_N pull-up to IO_3.3V
Sep. 28 2006	Rev1.3	<ol style="list-style-type: none"> 1. Delete SMC 2. Change the LCD Connector. 3. Remove the touch panel connector
Nov. 15 2006	Rev2.0	<ol style="list-style-type: none"> 1. Change the UCB1400 AC'97 Codec to AK4642EN I2S Codec. 2. Add the AK4182A Touch Screen Controller. 3. Change the power chip to RT8020 and RT9266. 4. Add the PULL-UP power signal.
Jan. 15 2007	Rev2.1	<ol style="list-style-type: none"> 1. Modify the RT8020 circuit bug. 2. Modified the AK4182A touch interrupt. . 3. Add the USB plug detection. 4. Modified the PULL_UP and PULL_3.3V signal. 5. Removed the Q8 circuit. 6. Modeified the J5,J10 signals and some GPIO.
Mar. 20 2007	Rev2.2	1. Corrected the I2S_DIN and I2S_DOUT connection.
Jun. 07 2007	Rev2.2.1	<ol style="list-style-type: none"> 1. Modify 5V power IC to SP6641. 2. Modified the input and output capacitor parameter of the backlight power. 3. Add optional backlight power circuit for LCD with 8 LEDs . 4. Remove R101 from net XTAL to EXTAL and value is modified to 330 ohm. 5. Add C103 at AC adaptor input. 6. Modify the circuit of USB detect. 7. Remove D13,D14 and corresponding circuit.

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