

LS1B DEMO BOARD Schematic Revision 2.0

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CPU

Loongson 1B

Onboard Chipset

AUDIO: ALC655

USB HUB:MW7220

NAND Flash:128MB

Flash Rom: SPI 4Mbit

PHY IC:RTL8201EL-GR*2

Memory

DDRII 64M/16bit 133MHz

Expansion Interface

AD: 2Channel 12bit

LCD:24bit/40 Pin

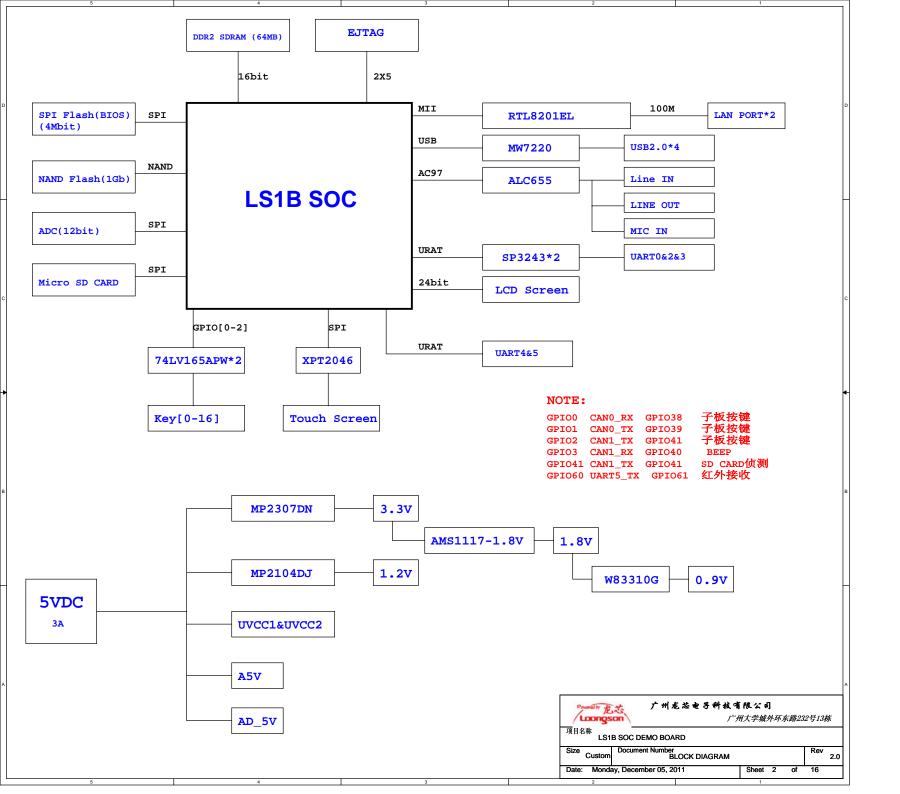
UART:3Line/6

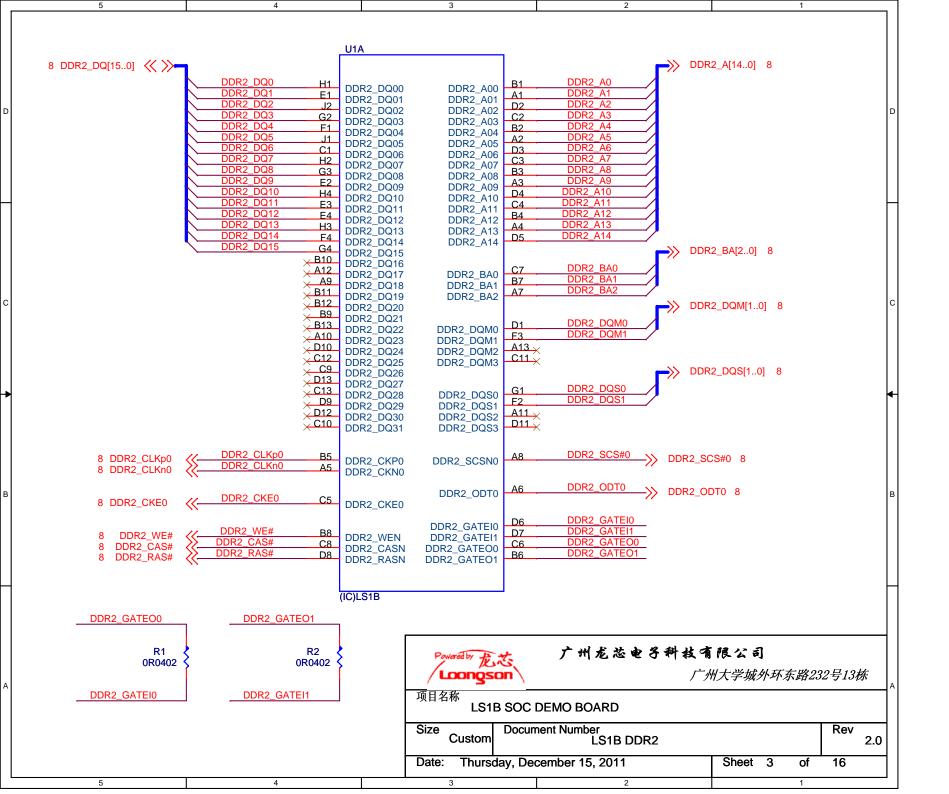
MicroSD:SPI

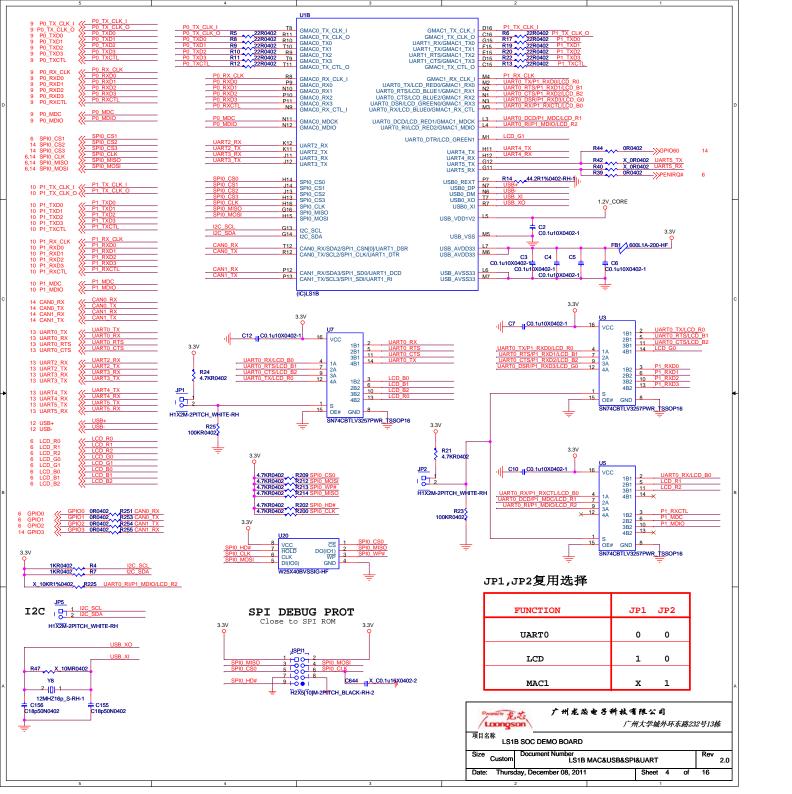
广州龙芯电子科技有限公司

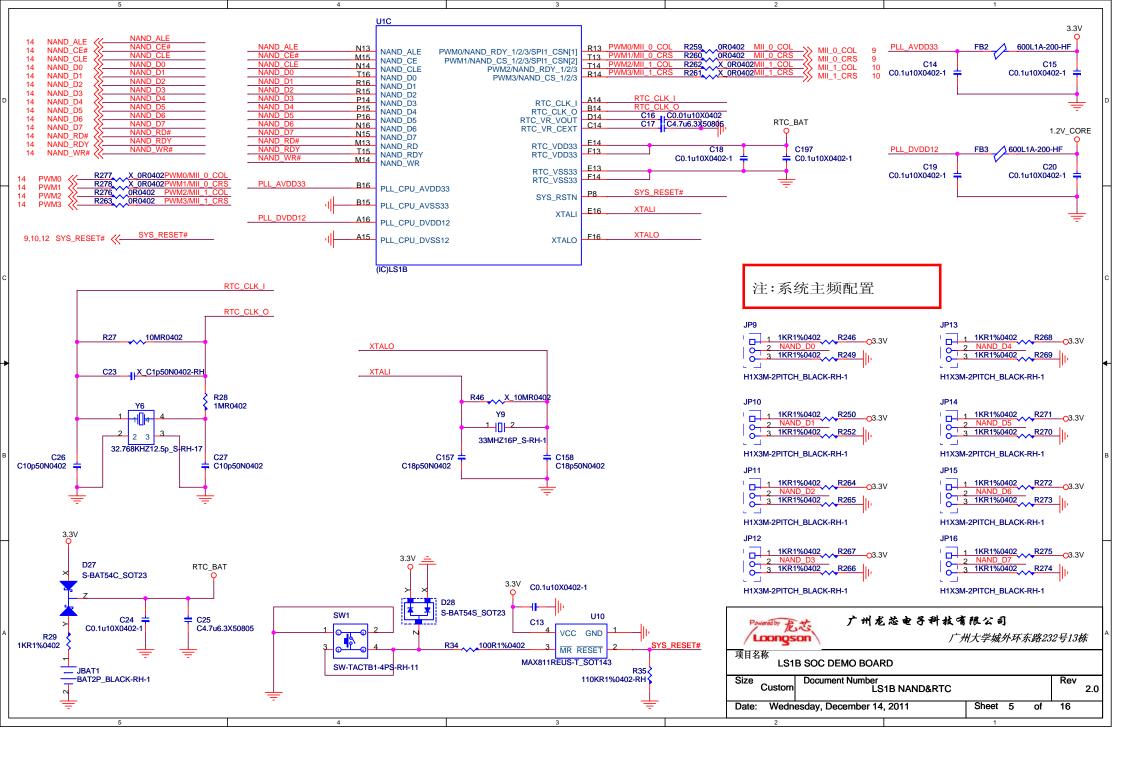
Release Date: 2011.09

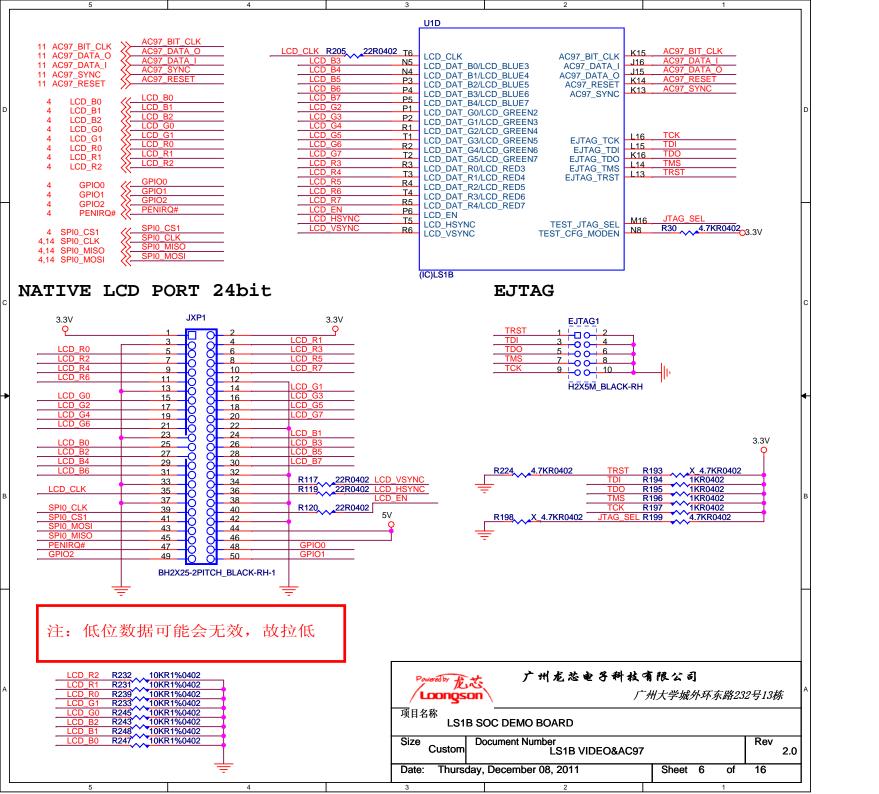
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項目名称 LS1B SOC DEMO BOARD					
Size Custom Document Number COVER SHEET				Rev	2.0
Date: Thursday, February 02, 2012	Sheet	1	of	16	

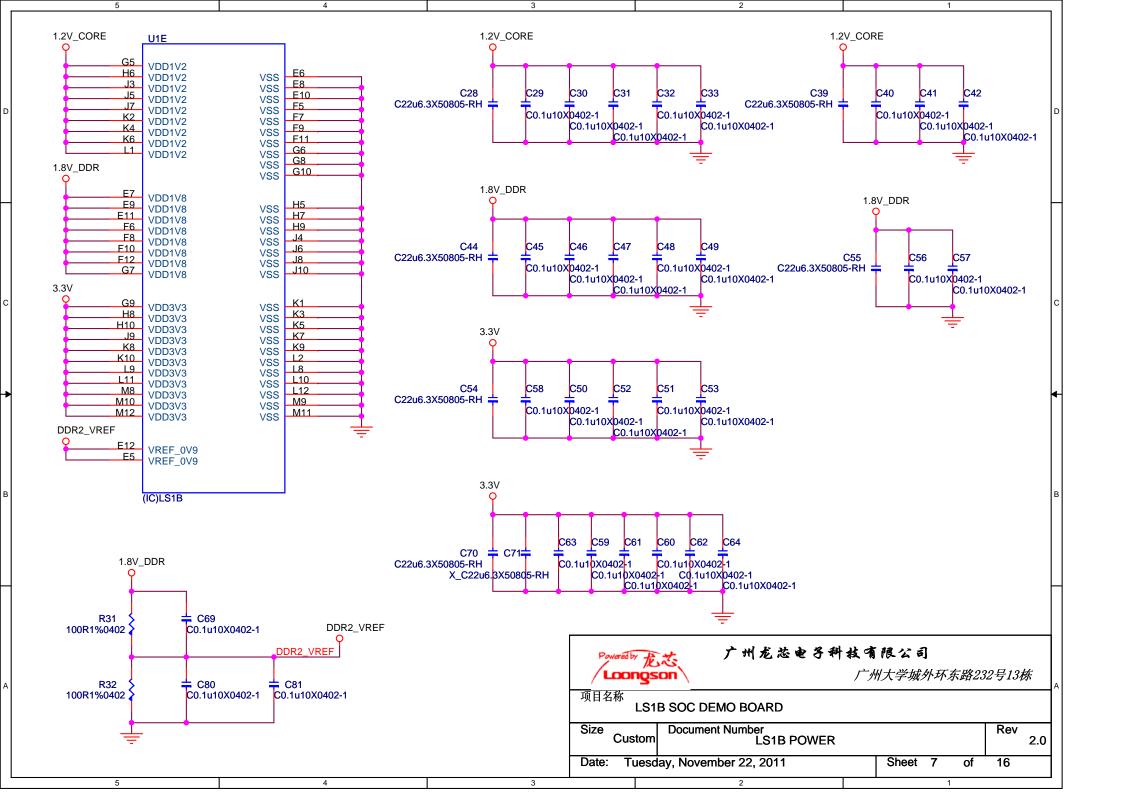


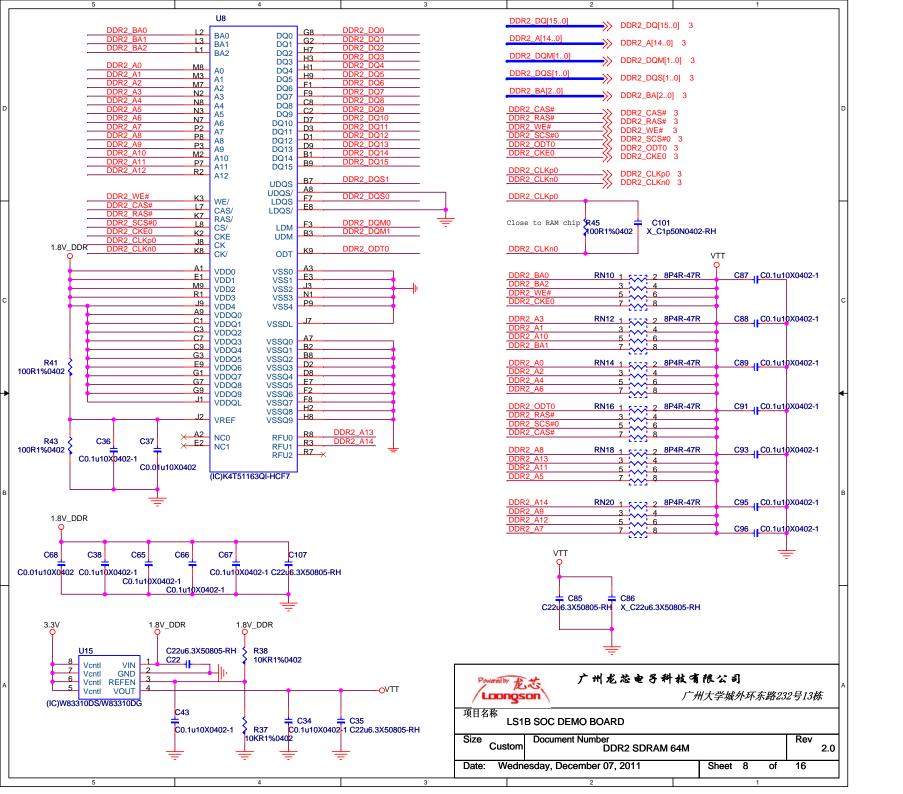


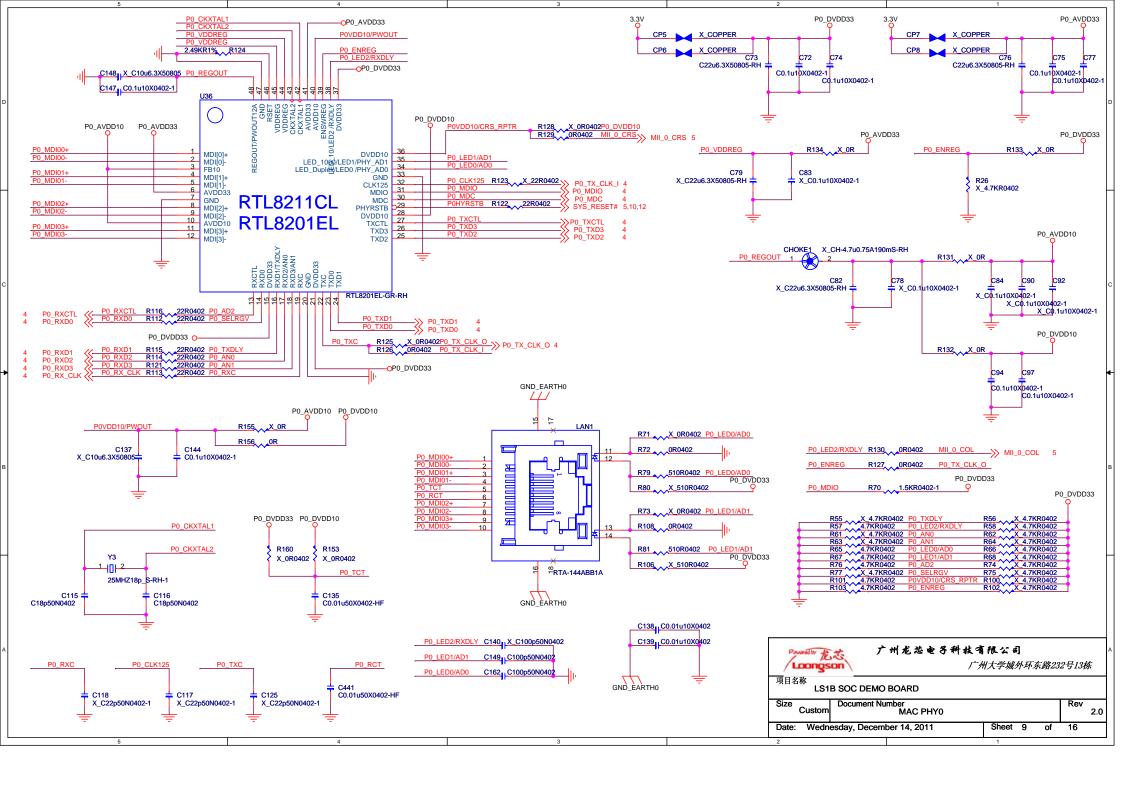


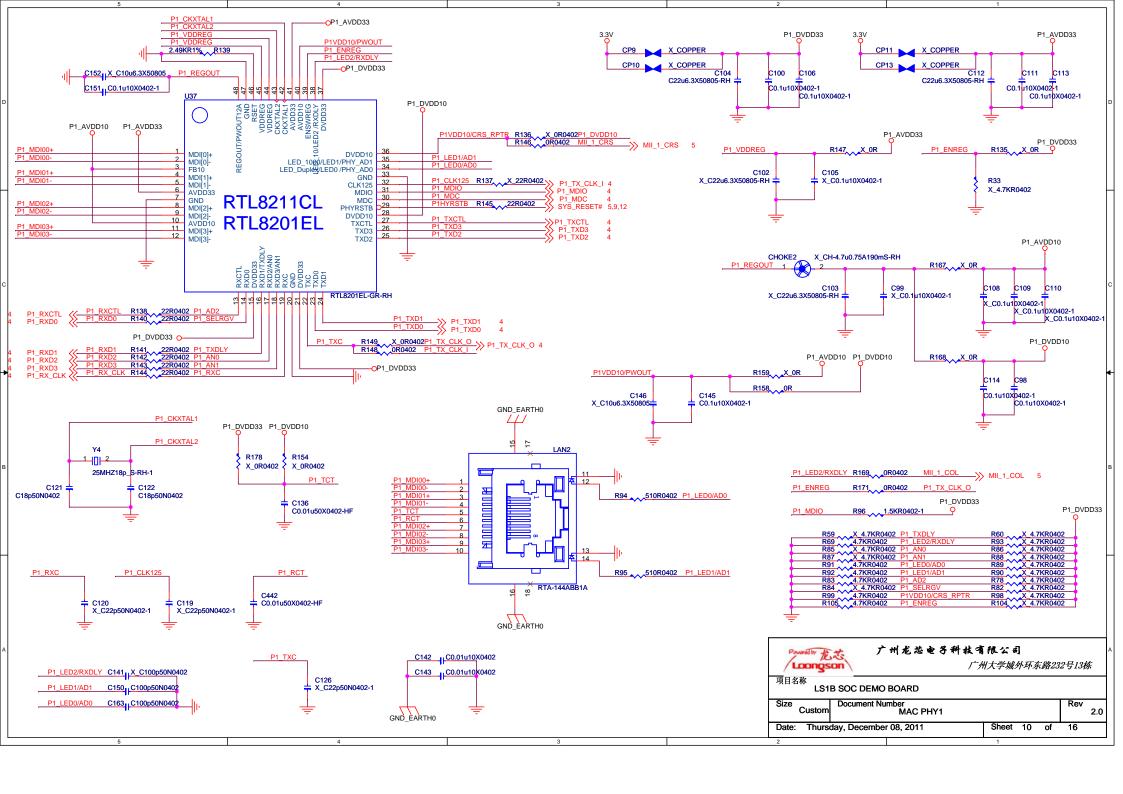


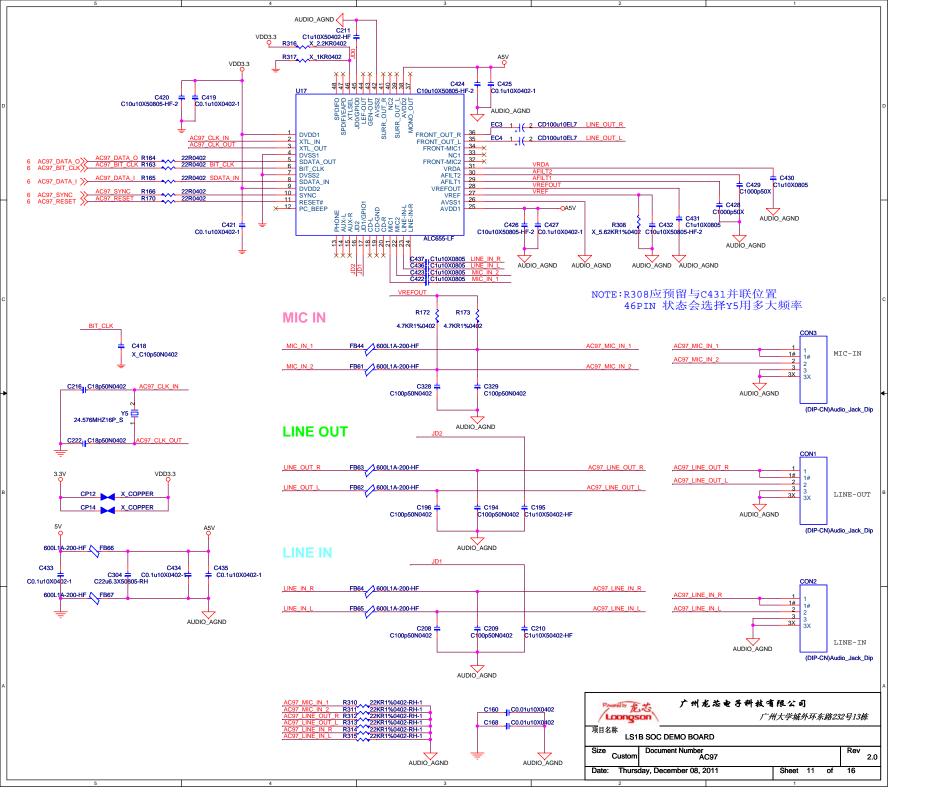


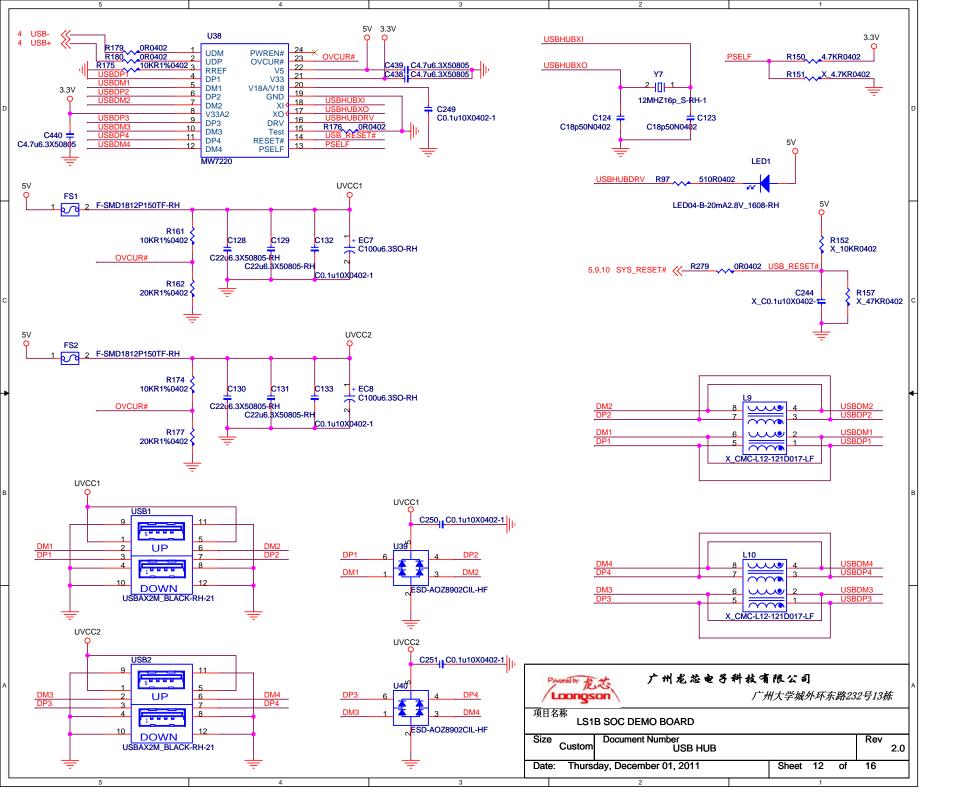


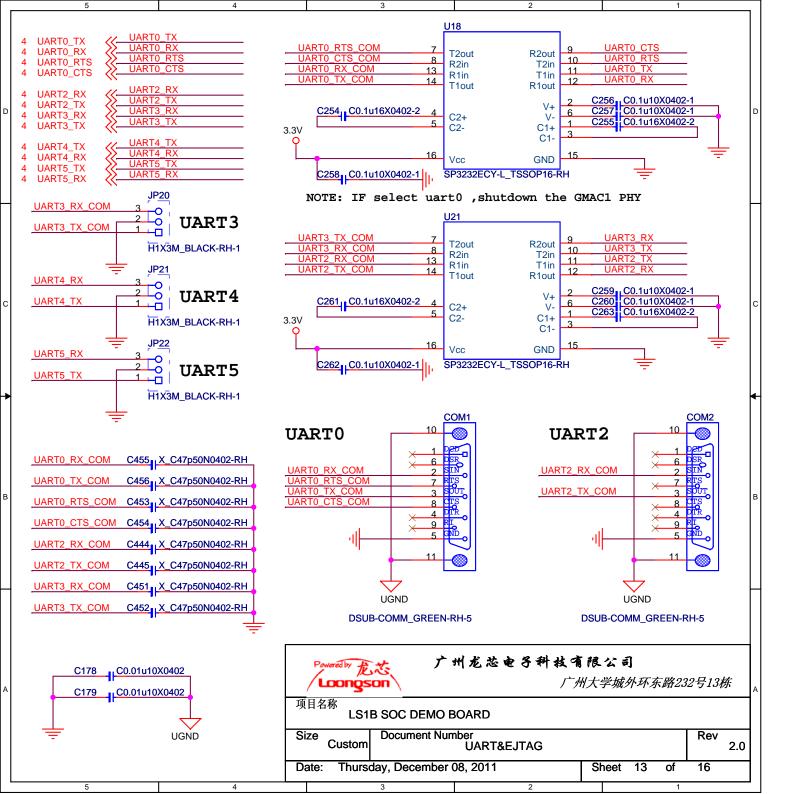


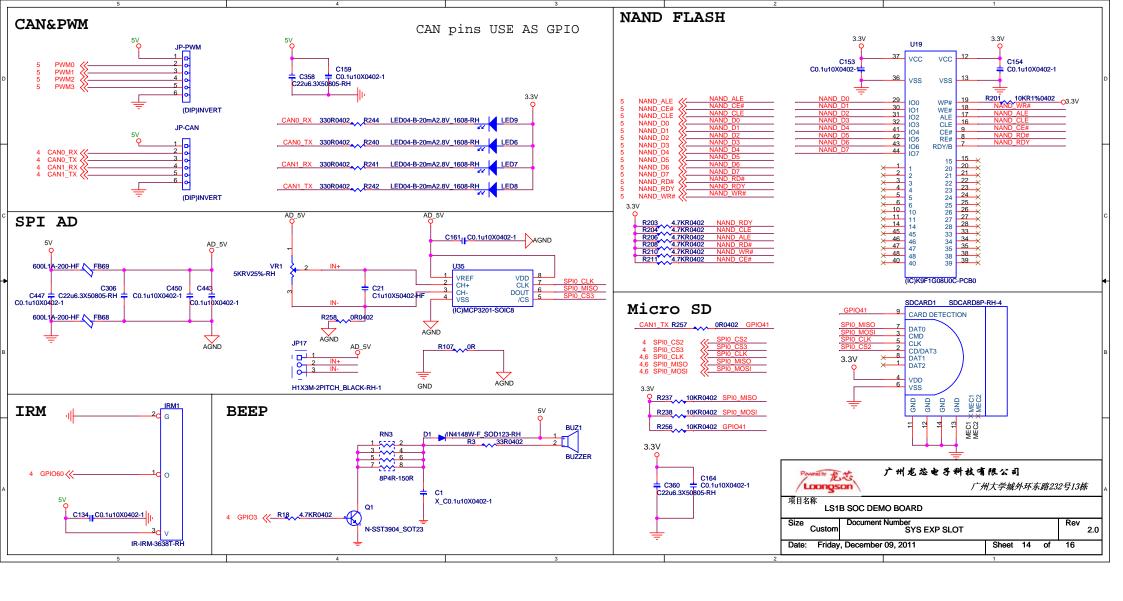


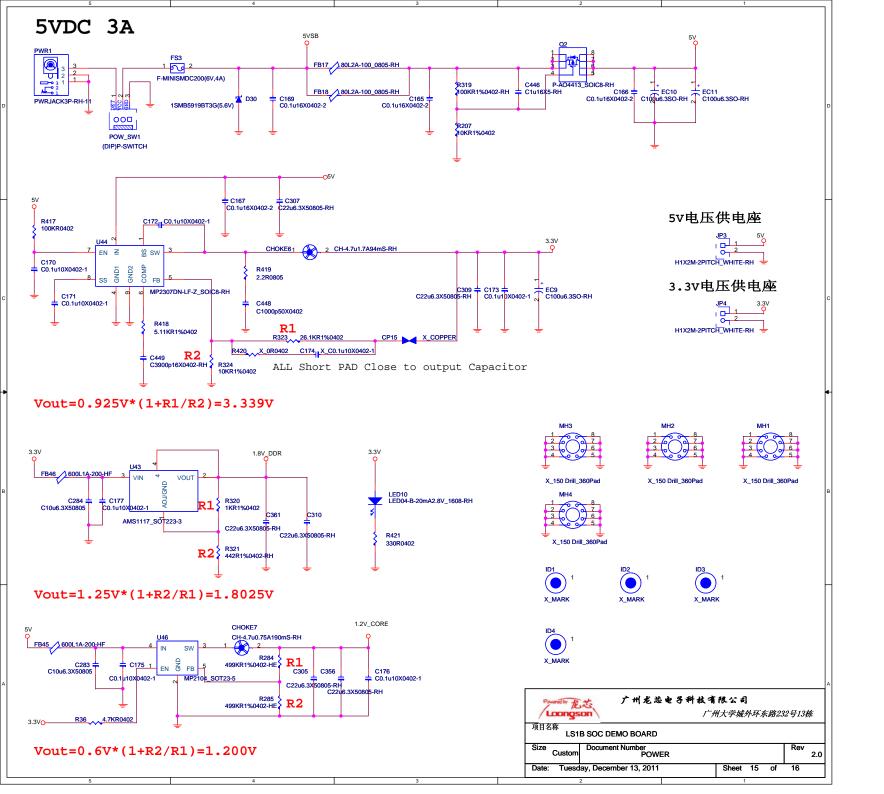












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LS1B 2.0 Change List
   DDR2 memory from 2 (16bit/128MB) to 1 (16bit/64MB)
   GMACO from RTL8211E to RTL8201EL (100M/MII)
2:
   GMAC1 from RTL8211E to RTL8201EL (100M/MII)
   AUDIO from ALC203E to ALC655
   USB HUB from GL852 to MW7220
   SPI Flash from SST25VF080B to W25X40BVSSIG(512KB)
6:
                        子板按键
   GPIOO CANO_RX GPIO38
7:
   GPIO1 CANO TX GPIO39
                        子板按键
                        子板按键
   GPIO2 CAN1 TX GPIO41
   GPIO3 CAN1_RX GPIO40
                        BEEP
   GPIO41 CAN1 TX GPIO41
                          SD CARD侦测
   GPIO60 UART5_TX GPIO61 红外接收
8: 引出的串口 5个 有接电平转换的3个 (UARTO, UART2, UART3)
9: Touch Screen通过SPIO实现,片选CS1
10: All Power Solution Changed
11: Changed to support Mirco SD 卡
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