The circuit description

1: THE SYSTEM POWER SUPPLY

1) In battery operated under, through U4 main control-IC to the CPU S3C 6410 to the provide VDD-RTC supply, so that the 32.768KHZ crystals has been up its vibration.
2) When a log on key, the power provides VDD-3V3 supply by Q11 switch power circuit. Under the power of VDD-3V3, 12M crystals of the main control CPU S3C 6410 vibration immediately.
3) 12M crystals occur in work, the main control CPU scans DDR and NAND FLASH to ensure that the system works normally.

2: LCD and LED PROCESS.

1) In the system provides VDD-3V3 the supply of state, through boost pressure IC (CL8802) into two drivers, the way to the screen to VGH+15V and GL-7V, the other way to provide AVDD-11V to LCD.
2) In the system provides VDD-3V3 the supply of state, to provide 7-9V voltage to LED by boost pressure IC (CL6201), so as to drive the LED light.

3:64M DDR and 512M NAND FLASH

1) In the system provides VDD-3V3 the supply of state, the main CPU provides power to NAND by controlling switch power circuit Q20.Q21, and reads the data in NAND.
2) In the system provides VDD-3V3 the supply of state, to provide 2V5 power to DDR by step-down pressure IC, so that the main CPU gives the corresponding data to DDR.

4: USB INTERFACES

When USB connection, USB interfaces will provide a high potential main control CPU, thereby driving up the virbration 48M crystal. The main CPU starts scanning through USB data and connects successfully.

5: SD CONNECTION

When insert SD card, the system provides VDD-3V3 supply, THE CLK FOOT of SD virbrate and provide signals to CPU, after the CPU receives signals from the CLK FOOT, CPU starts to scan other data in SD card and SD connects successfully.

6: WIFI

The main CPU control WIFI state of power is supplied by the switch power circuit.