

N53JL Repair Guide

2010/12/13
Janmouss_chang
CSC-GRMA

N63JN/N63JQ BLOCK DIAGRAM

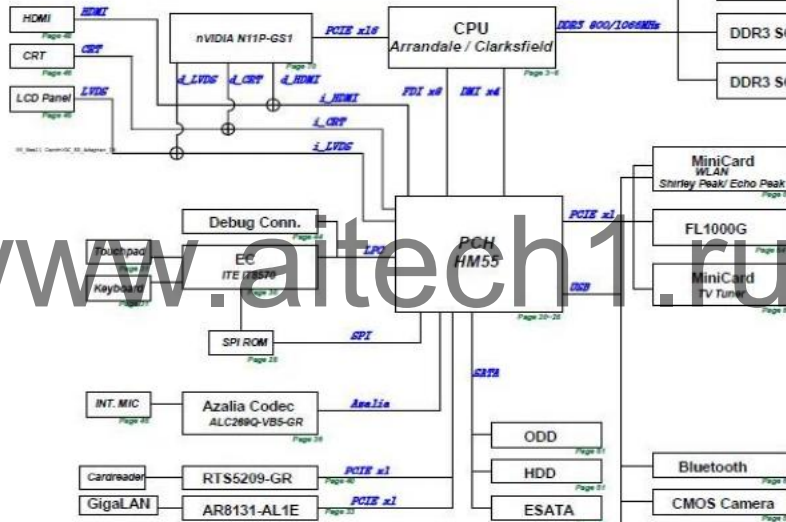
www.aitech.ru

3 CPU(1) DMT,PEG,FDT,CLK,MISC
4 CPU(2) DDR3
5 CPU(3) CPU,RSVD,GND
6 CPU(4) PWR
7 CPU(5) XDP
8 Small Card=>DC_RD_CONN.
9 Small Card=>DC_RD_Adapter_IN
10 Small Card=>DC_RD_LID_SW
11 Small Card=>DC_RD_LID_SW
12 Small Card=>DC_RD_Screw Hole

13 DDR3 SO-DIMM 0
14 DDR3 SO-DIMM 1
15 DDR3 CA DQ VOLTAGE
16 VID controller
17 PCH_ISEX(1) SATA, INDA, RTC, LPC
18 PCH_ISEX(2) PCIE, CLK, SMB, PEG
19 PCH_ISEX(3) FDI, DMT, SYS_PWR
20 PCH_ISEX(4) DP, LVDS, CRT
21 PCH_ISEX(5) PCI, NVSRAM, USB
22 PCH_ISEX(6) CPU, GP20, MISC
23 PCH_ISEX(7) POWER, GND
24 PCH_ISEX(8) POWER, GND
25 PCH SPI ROM, OTS
26 CLK IC89LFR362
27 EC_IT8512(1/2)
28 EC_IT8512(2/2) RW, TP
29 RST Reset Circuit
30 HANKSVILLE
31 LAN RJ45
32 CODEC-ALC663
33 MID Amp & Jack
34 MID FM010
35 CB_RSC033
36 CB_RSC033
37 CB 4in1 CardReader
38 CB NewCard
39 BUG Debug
40 CRT LCD Panel
41 CRT D-Sub
42 Display Port
43 TV HDMI
44 FAN Fan & Sensor
45 XDD XDD & ODD
46 USB USB Port *2
47 MINICARD(WLAN)
48 LED Indicator
49 SMC Discharge
50 DC DC & BATT Conn.
51 BT_Bluetooth
52 TUN TV Tuner
53 ME Conn & Skew Hole
54 RS4_RS4T
55 PCH_XDP, GRFI

70 VGA_XDD
71 VGA_LVDS Switch

80 PW_VCORE(MAX17034)
81 PW_SYSTEM(MAX17020)
82 PW_I/O_VTT_CPU0+1.3VW
83 PW_I/O_DDR & VTT0+1.8VW
84 PW_I/O_3VM & ME +VM_PREGD
85 PW_VGFX_CORE(MAX17028)
86 PW_CHARGER(MAX17015)
87 PW_DETECT
88 PW_LOAD_SWITCH
89 PW_PROTECT
90 PW_SIGNAL
91 PW_FLOWCHART



Clock Generator
IC89LFR362

Discharge Circuit

DC & BATT. Conn.

PWM Fan

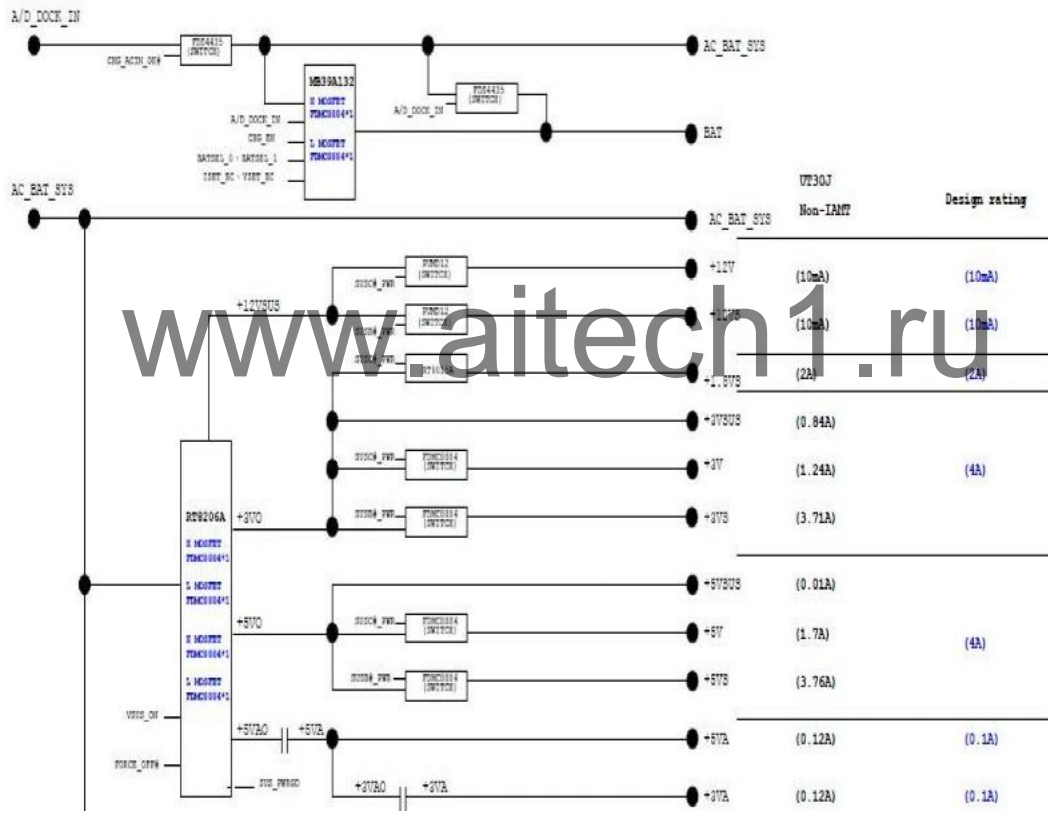
Reset Circuit

Skew Holes

VCORE
System
1.5VS & 1.05VS
DDR & VTT
~2.5VS
Charger
Detect
Load Switch
Power Protect

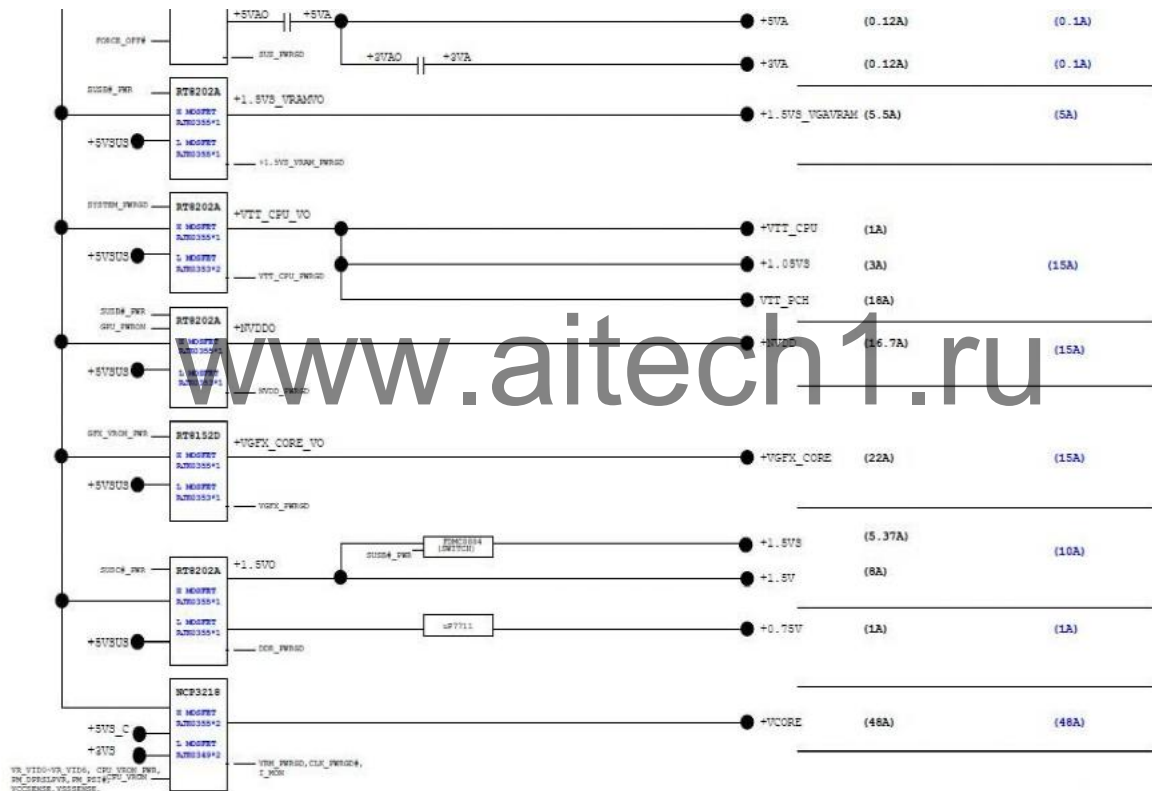
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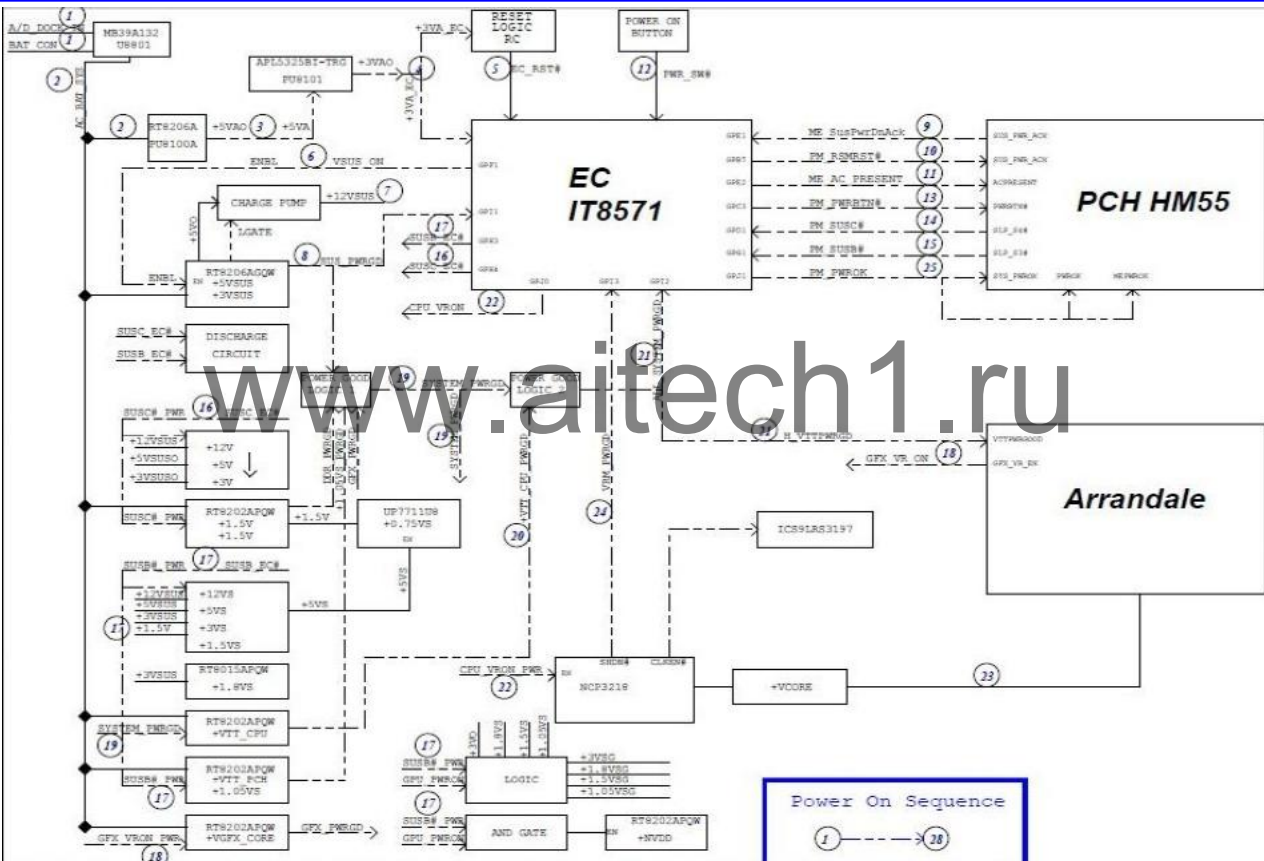


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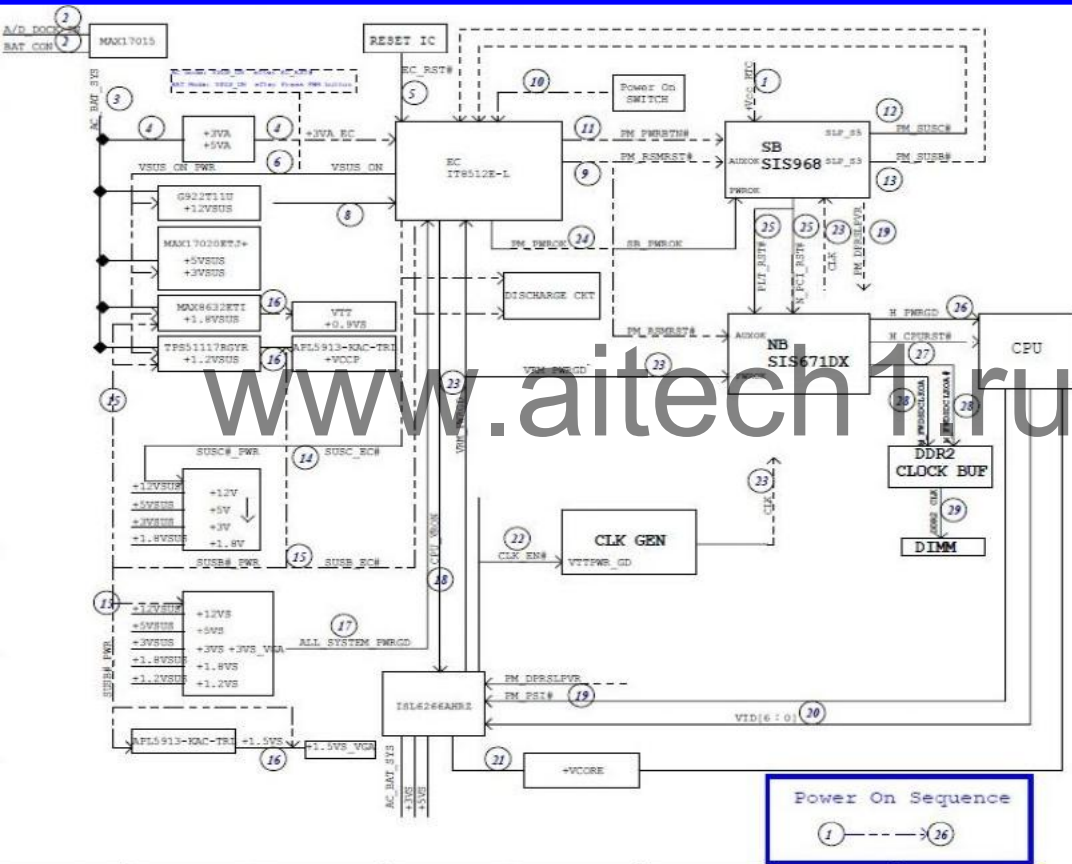
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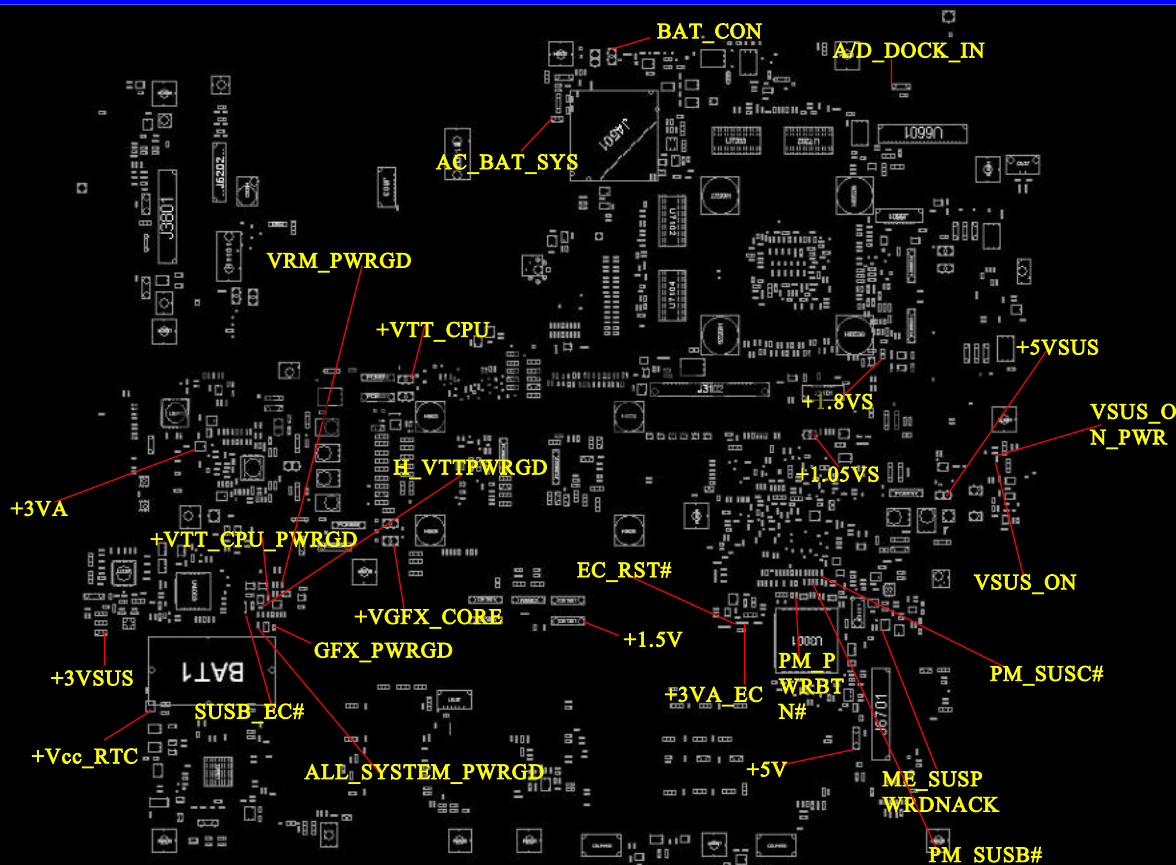


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N53JL Repair Guide(TOP)

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N53JL Repair Guide(Bottom)

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