

AH3650 SILENT Repair Guide

Jun/01/2008

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CSC-GRMA

Vendor Kit	B281P
ASUS model name	AH3650 SILENT/HTDI/512M/A
p/n	80-C1CKN0-J0A12
Chip	RV635PRO
GPU p/n	02G110016301
GPU Tc Spec	105'C
Memory	32M*16 -2.0 GDDR2*8pcs (512MB---128 bit)GPU(128bit)
Memory p/n	03G15133F318 / Samsung
CoreClock	725MHz
MemoryClock	500MHz

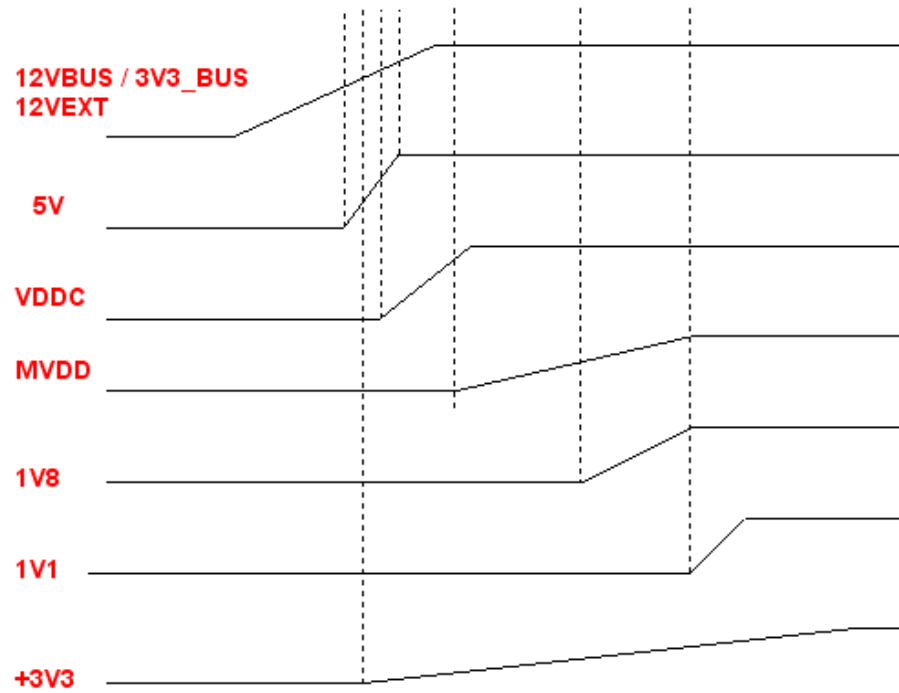
Page1. Basic Information about the Model

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Page4. Power Point Map (Bottom Side)

Power sequence



+3.3V_BUS, +5V_BUS, +12V_BUS

SMPS Enable Circuit

3.3V_BUS delayed circuit

From +3.3V_BUS:
Direct or Linear (1.8V)

VDD_CT, DPLL_PVDD,
TPVDD, T2PVDD,
TXVDDR,
T2XVDDR(LTVDD18),
T2XVDDC(LTVDD33),
AVDD, A2VDD, VDD1DI,
VDD2DI,
PCIE_VDDR, PCIE_PLL,
VDDR3, VDDR4, VDDR5,
+B_VDDC_CT
+3.3V +5V_BUS +12V_BUS

From +MVDD Linear (1.1V):

PCIE_VDDC, DPLL_VDDC

From +5V_BUS:

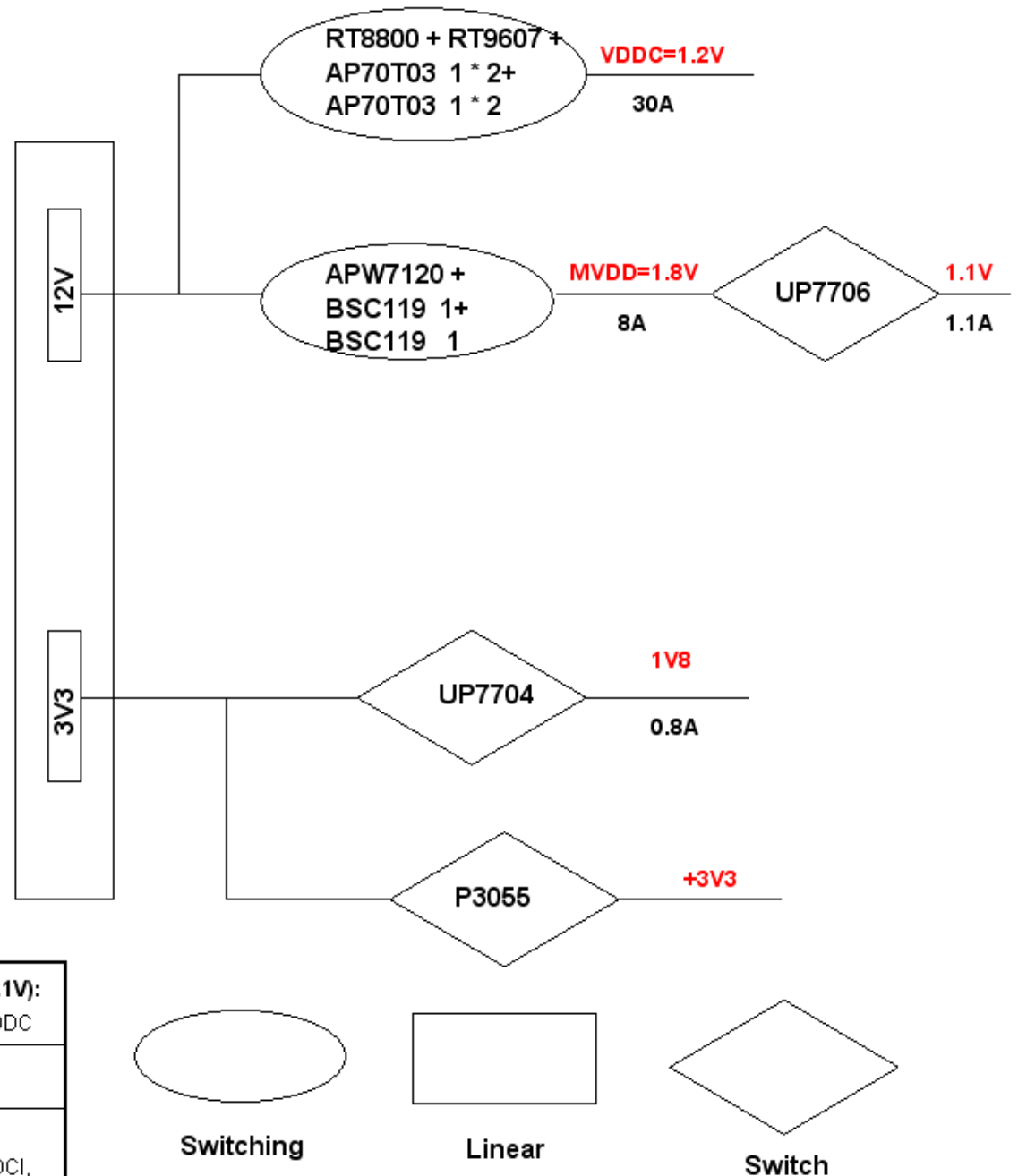
+MPVDD

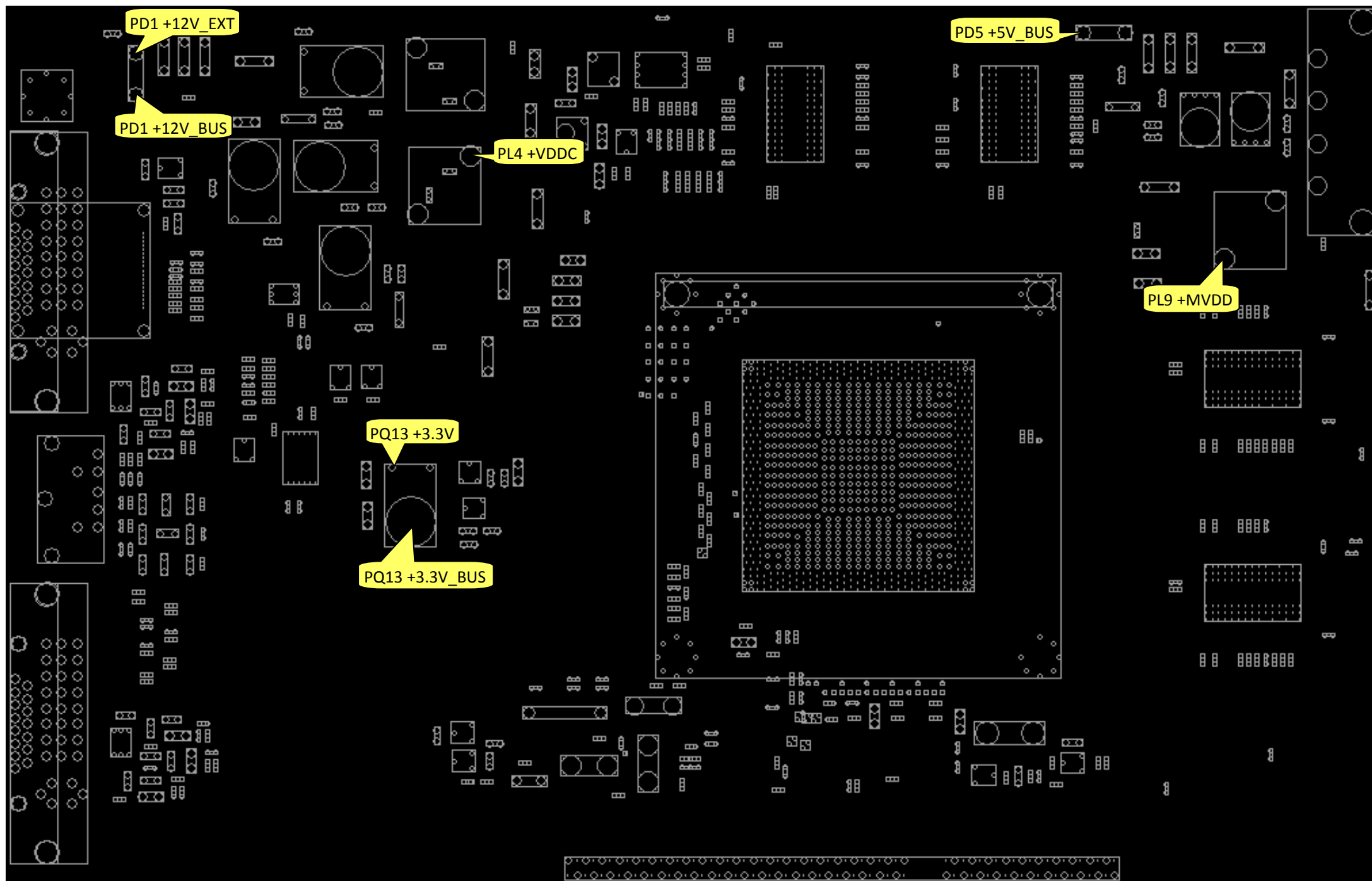
From +12V_EXT

+VDDC (MPVDD, VDDCI,
B_VDDC, B_PCIE)
FAN

Power Regulators

Power flow





PD1 +12V_EXT

PD1 +12V_BUS

PD5 +5V_BUS

PL4 +VDDC

PL9 +MVDD

PQ13 +3.3V

PQ13 +3.3V_BUS

