

X99-E WS/USB 3.1 Repair Guide

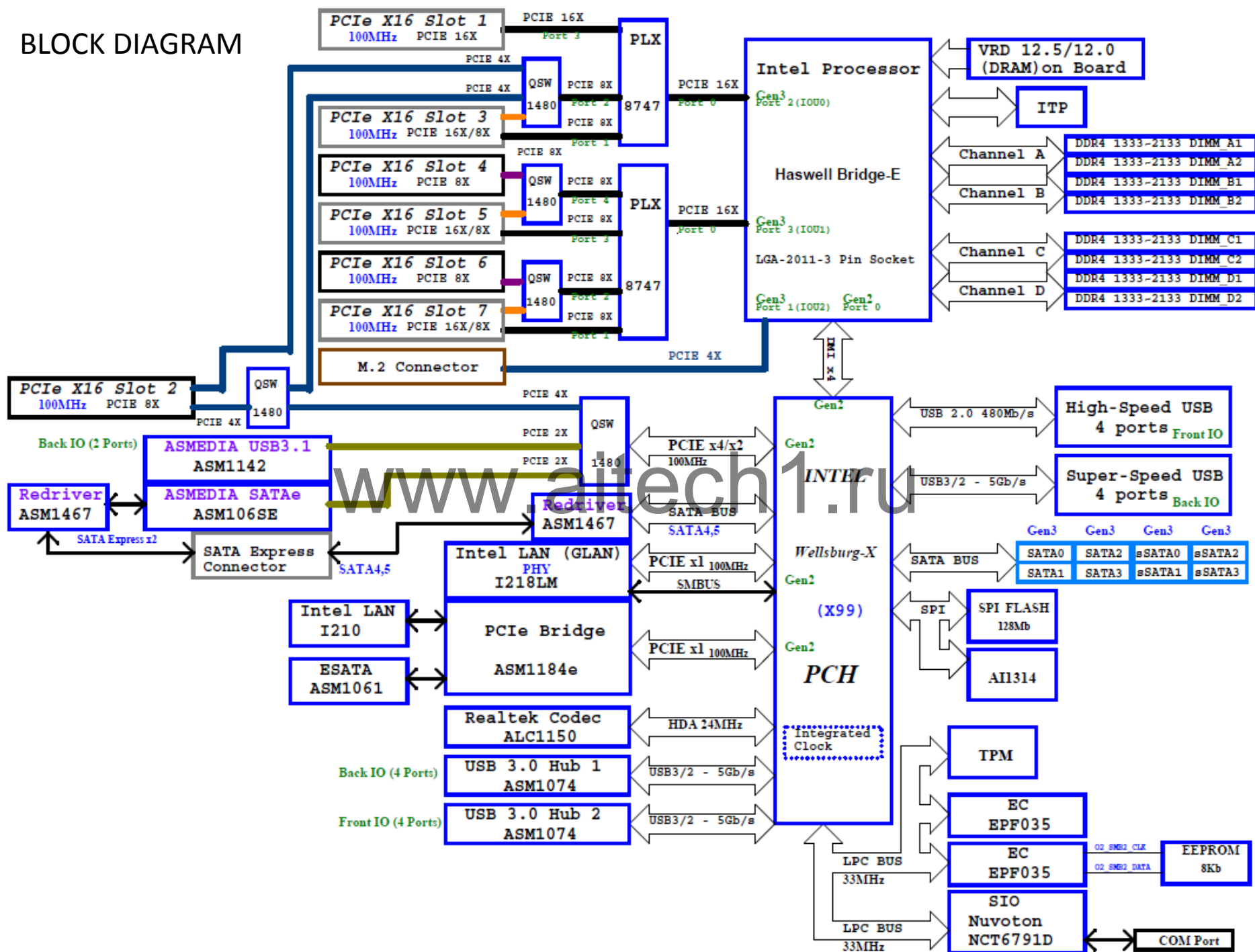
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Editor-P.P Pam

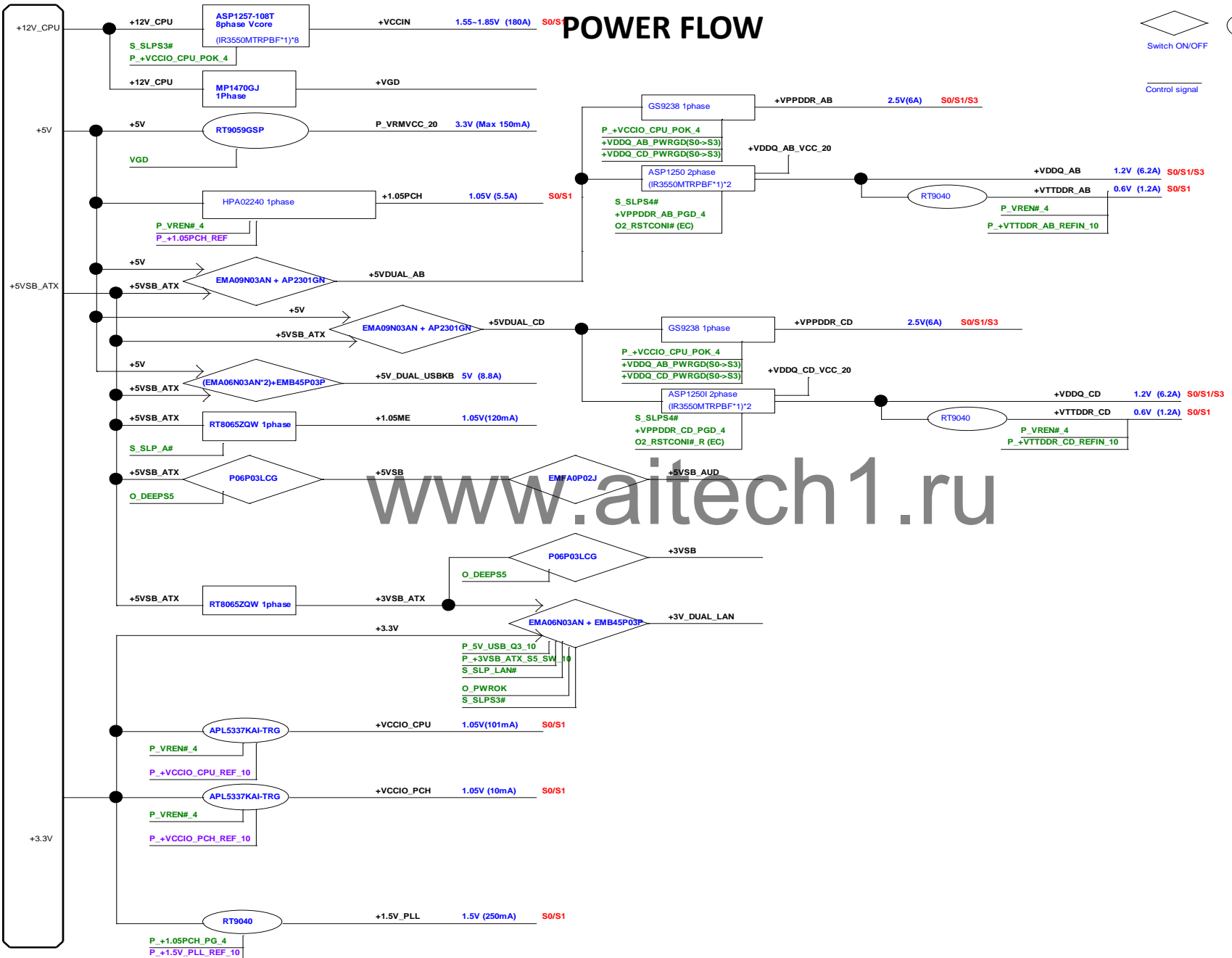
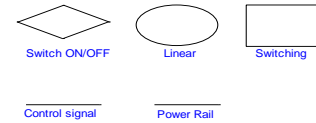
Manager-Victor1 Chen

2015/7/14

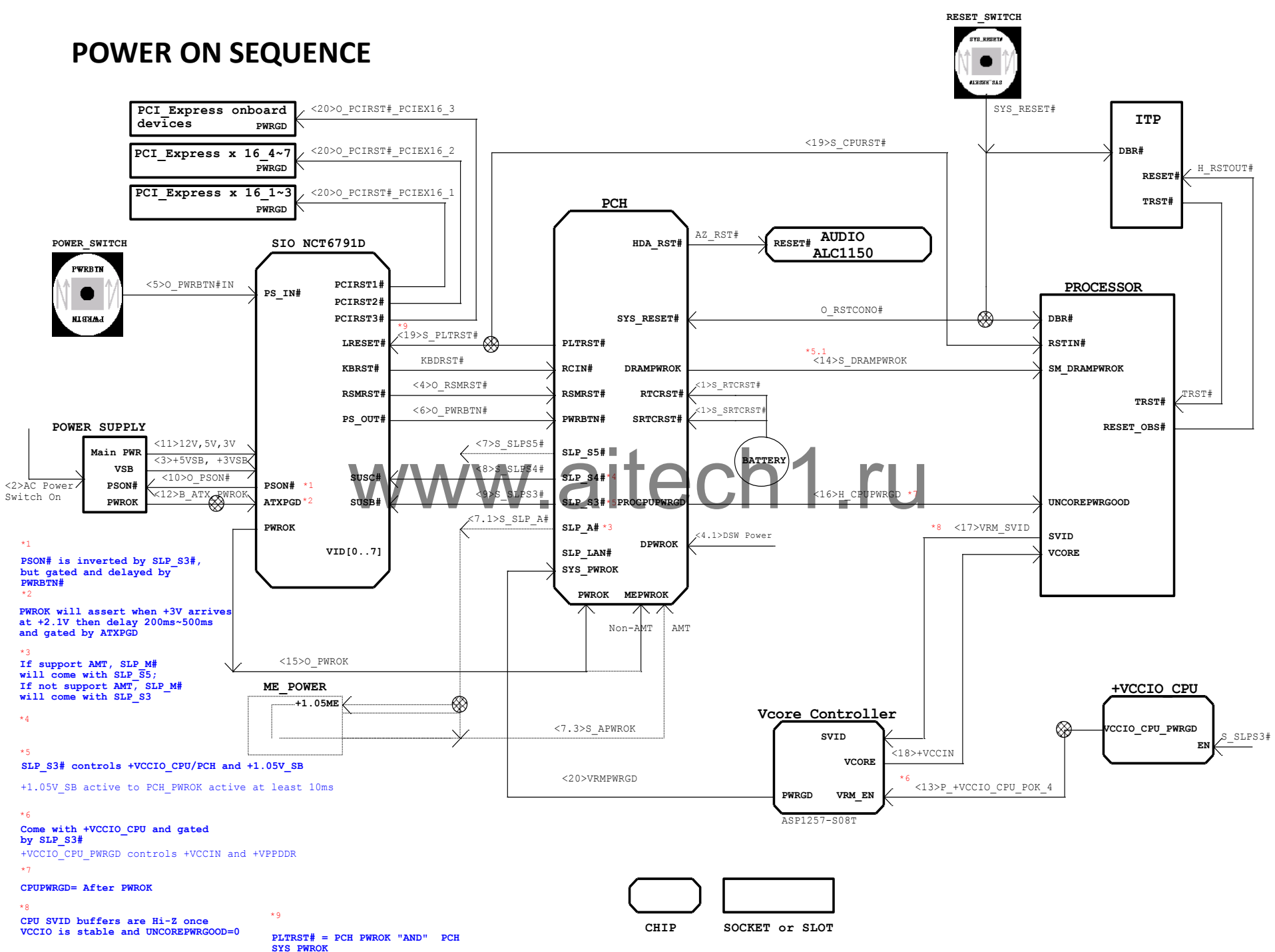
BLOCK DIAGRAM



POWER FLOW



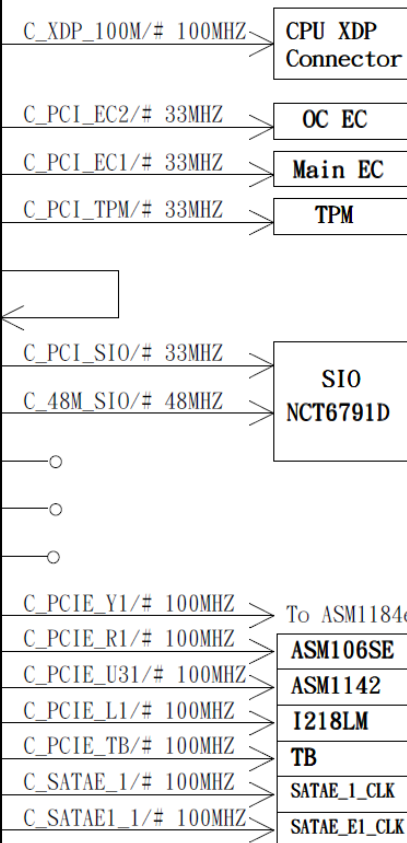
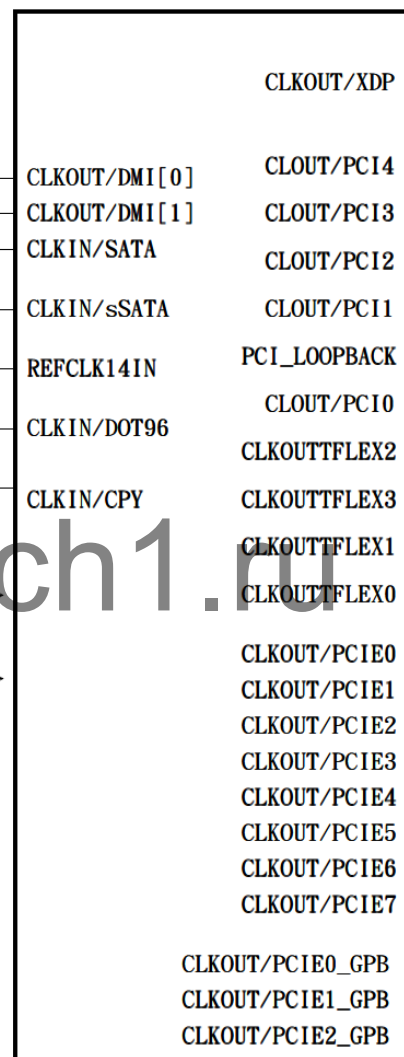
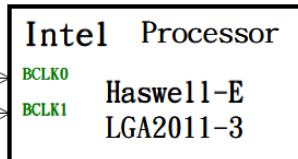
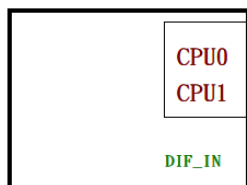
POWER ON SEQUENCE



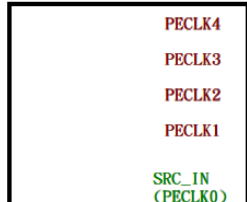
Frequency Flow

Intel
WELLSBURG

CLOCK BUFFER (CU5)
9FG1200AK-7LF

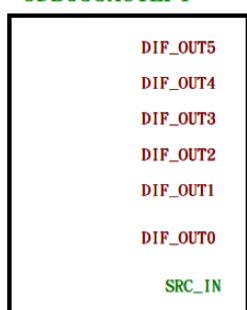


ASM1184e



ASM1061
Intel I210

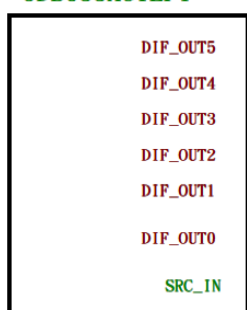
CLOCK BUFFER (CU3)
9DB633AGILFT



PCIEX16_5 Slot
PCIEX16_6 Slot
PCIEX16_7 Slot
PCIEX16_4 Slot

PEX8747 (BR2U1)

CLOCK BUFFER (CU2)
9DB633AGILFT



PCIEX16_2 Slot
PCIEX16_3 Slot
PCIEX16_1 Slot
M.2 Connector
PEX8747 (BRIU1)

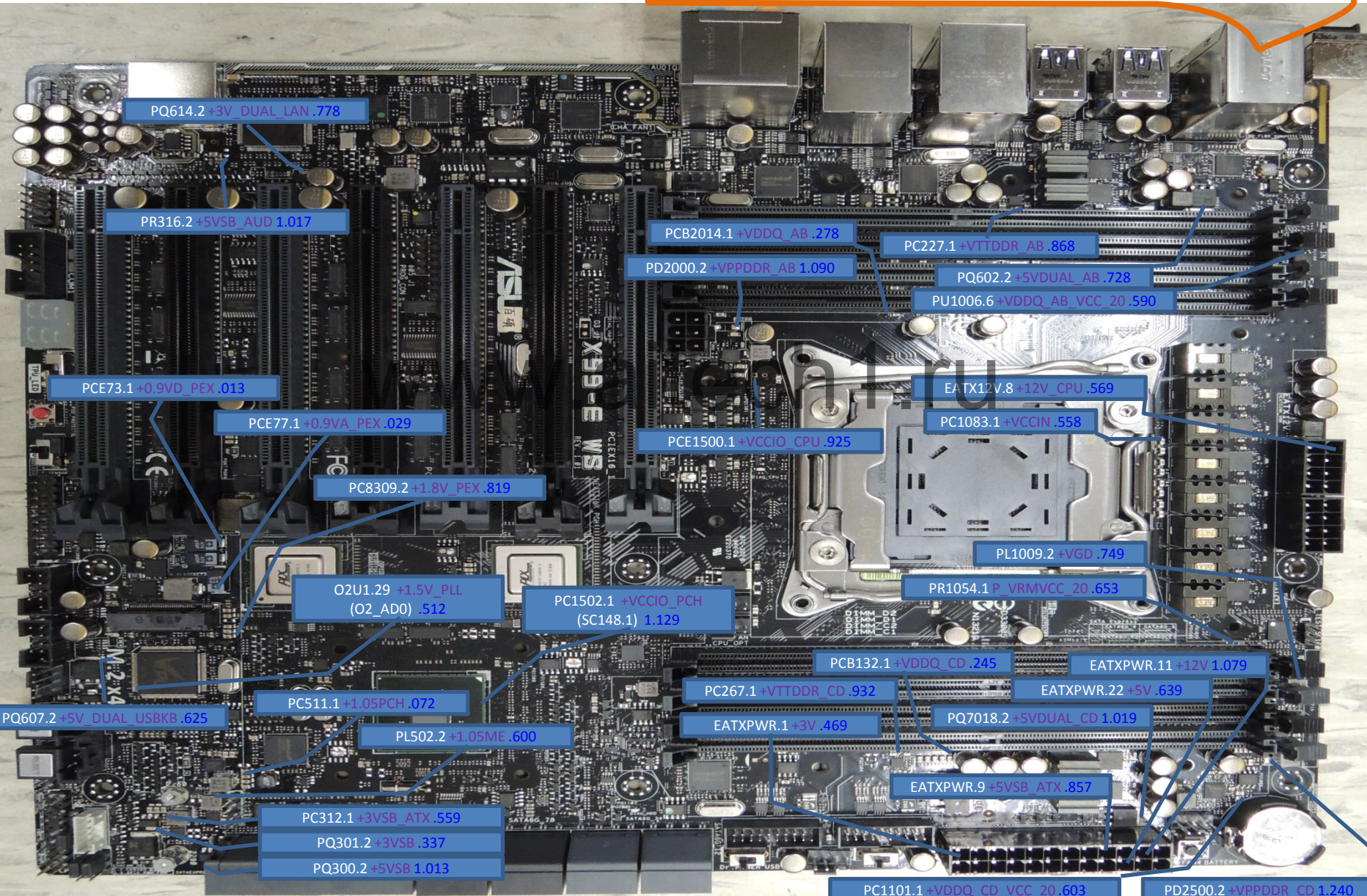
CRYSTAL
32.768KHz

CRYSTAL
25MHz

Voltage Measure Point

Bule number is Diode resistance to GND(without any part on MB) multimeter type TES 2730

multi meter "V / Ω / mA" GND point touch here



Signals Measure Point

Bule number is Diode resistance to GND(without any part on MB) multimeter type TES 2730

multi meter “V / Ω / mA” GND point touch here

