

The diagram illustrates the AMD AM3+ platform architecture, centered around the CPU, Memory, and Chipset (AMD RD990 and AMD SB950).

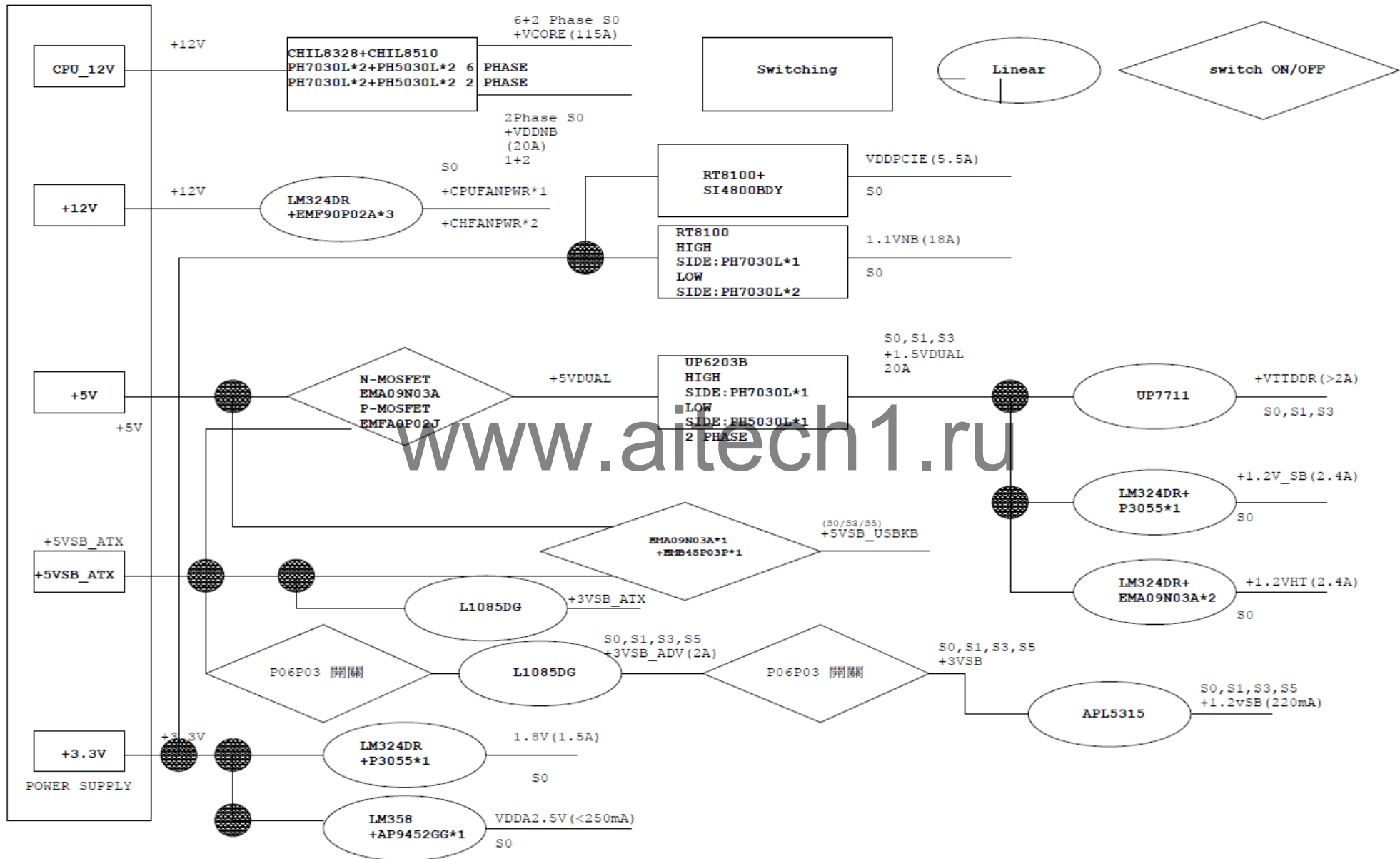
Central Components:

- CPU:** AMD AM3R2
- Memory:** DDR3 1066/1333/1600/1866/2000 (4 channels: CHANNEL A, CHANNEL B, CHANNEL C, CHANNEL D)
- Chipset:** AMD RD990 (Northbridge) and AMD SB950 (Southbridge)

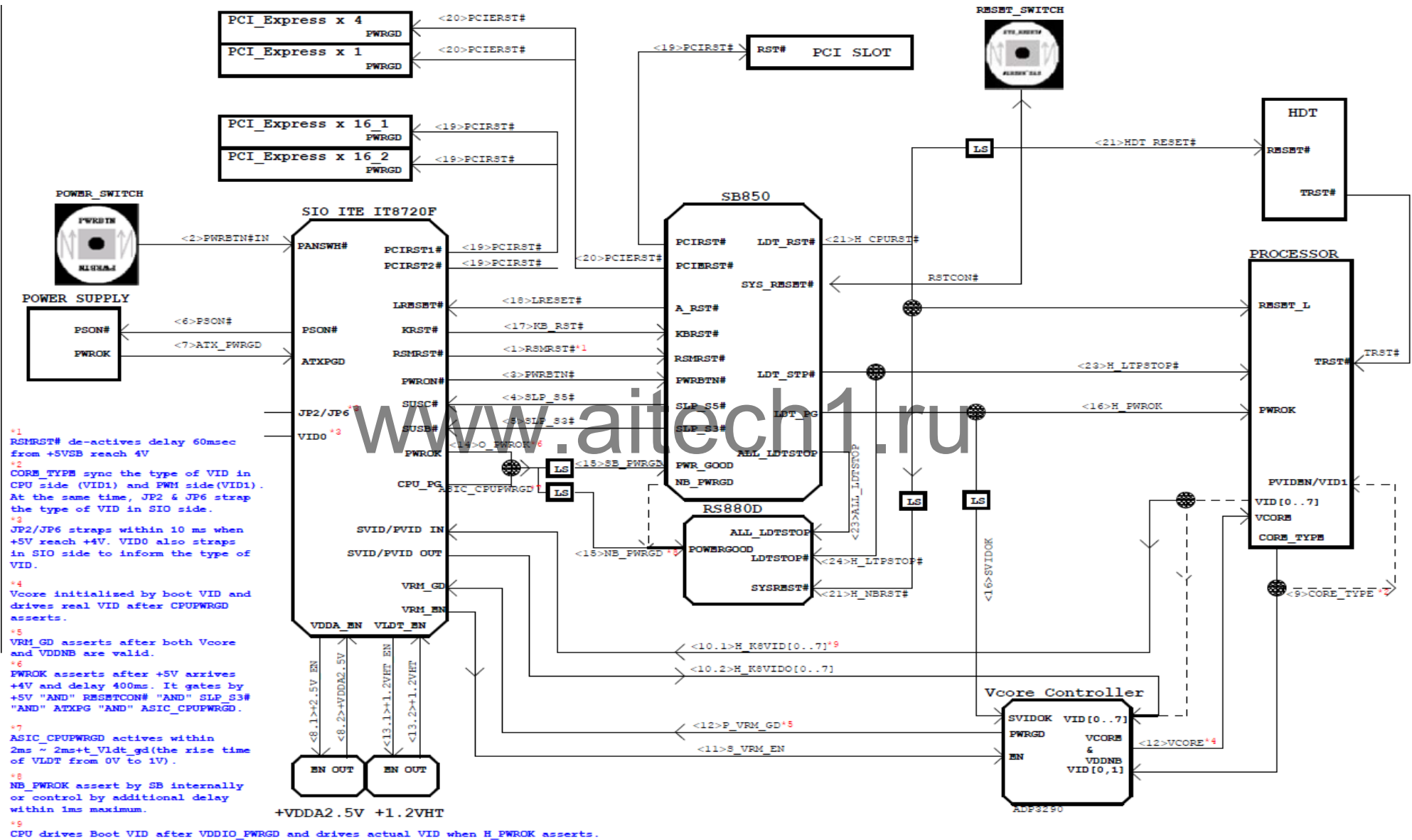
Connections and Peripherals:

- VRM (6+2):** Connected to the CPU.
- HT 3.0:** HyperTransport 3.0 connection between the CPU and the AMD RD990.
- PCI Express Slots:**
 - Left side: PCI Express X16 SLOT, PCI Express X8 SLOT, PCI Express X16 SLOT.
 - Right side: PCI Express X8 SLOT, PCI Express X1_1.
- AMD RD990 Connections:**
 - PCI_E X16 BUS to PCI Express X16 SLOT.
 - PCI_E X4 BUS to PCI Express X8 SLOT.
 - PCI_E X1 BUS to PCI Express X1_1.
- AMD SB950 Connections:**
 - PCI_E X1 BUS to Realtek RTL8111F Gigabit Ethernet.
 - 480Mb/s to High-Speed USB 14 ports.
 - ALIA LINK to REALTEK ALC892 AUDIO.
 - PCI_E X1 BUS to ASMedia USB3.0 2port--BACK.
 - PCI_E X1 BUS to ASMedia USB3.0 2port--FRONT.
 - PCI_E X1 BUS to ASM1061.
 - SATA BUS to Serial ATA, Serial ATA, Serial ATA, and eSATA port.
 - SPI to BIOS Flash ROM (SPI) Single 64M.
 - LPC BUS to IT8721F LPC I/O.
 - PCI BUS to PCI SLOT1.
- CLOCK:** ICS9LPRS477D providing frequencies: 200 MHz, 100MHz, 48 / 33MHz, and 14.318MHz.

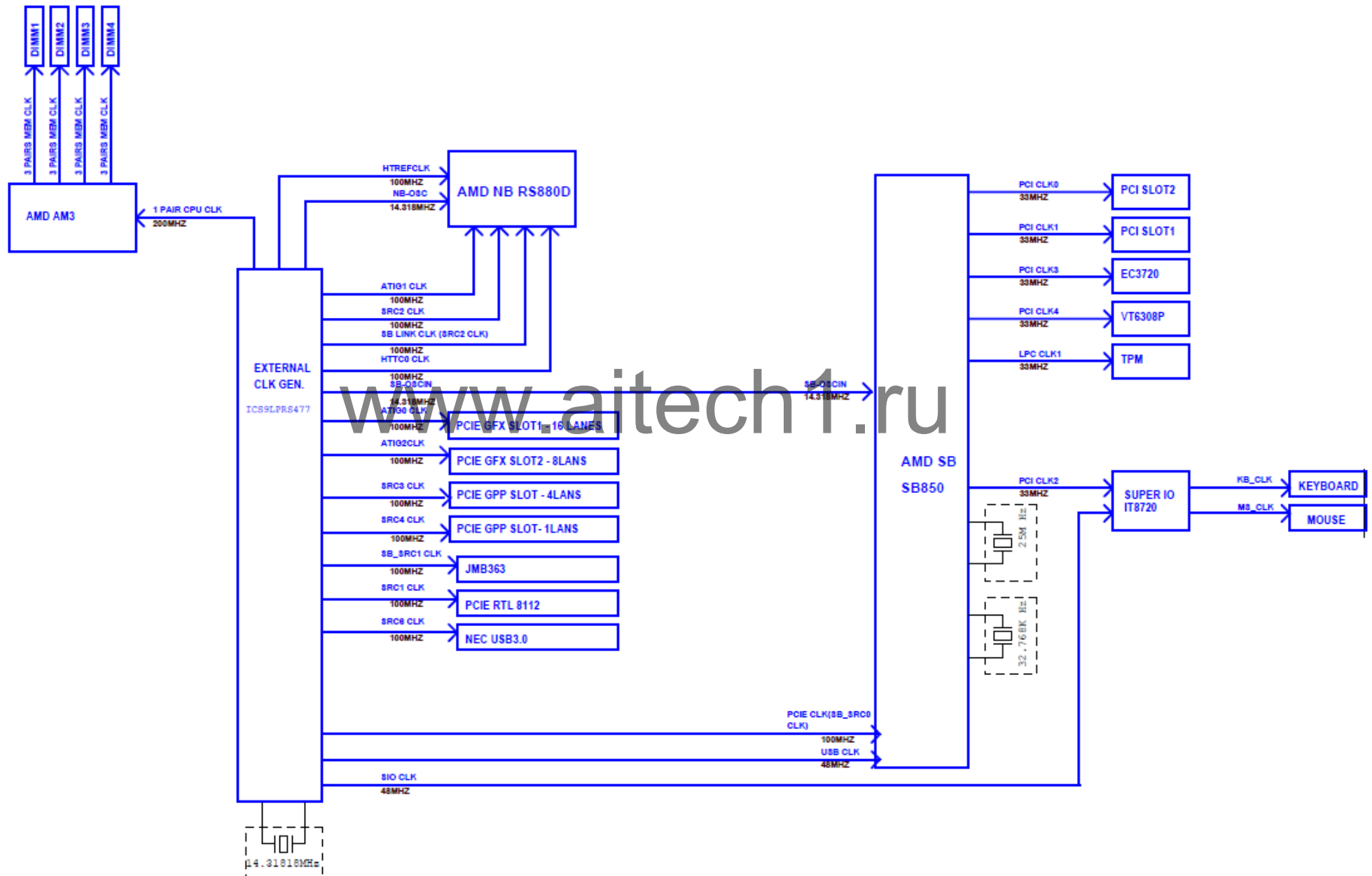
POWER FLOW



POWER ON SEQUENCE



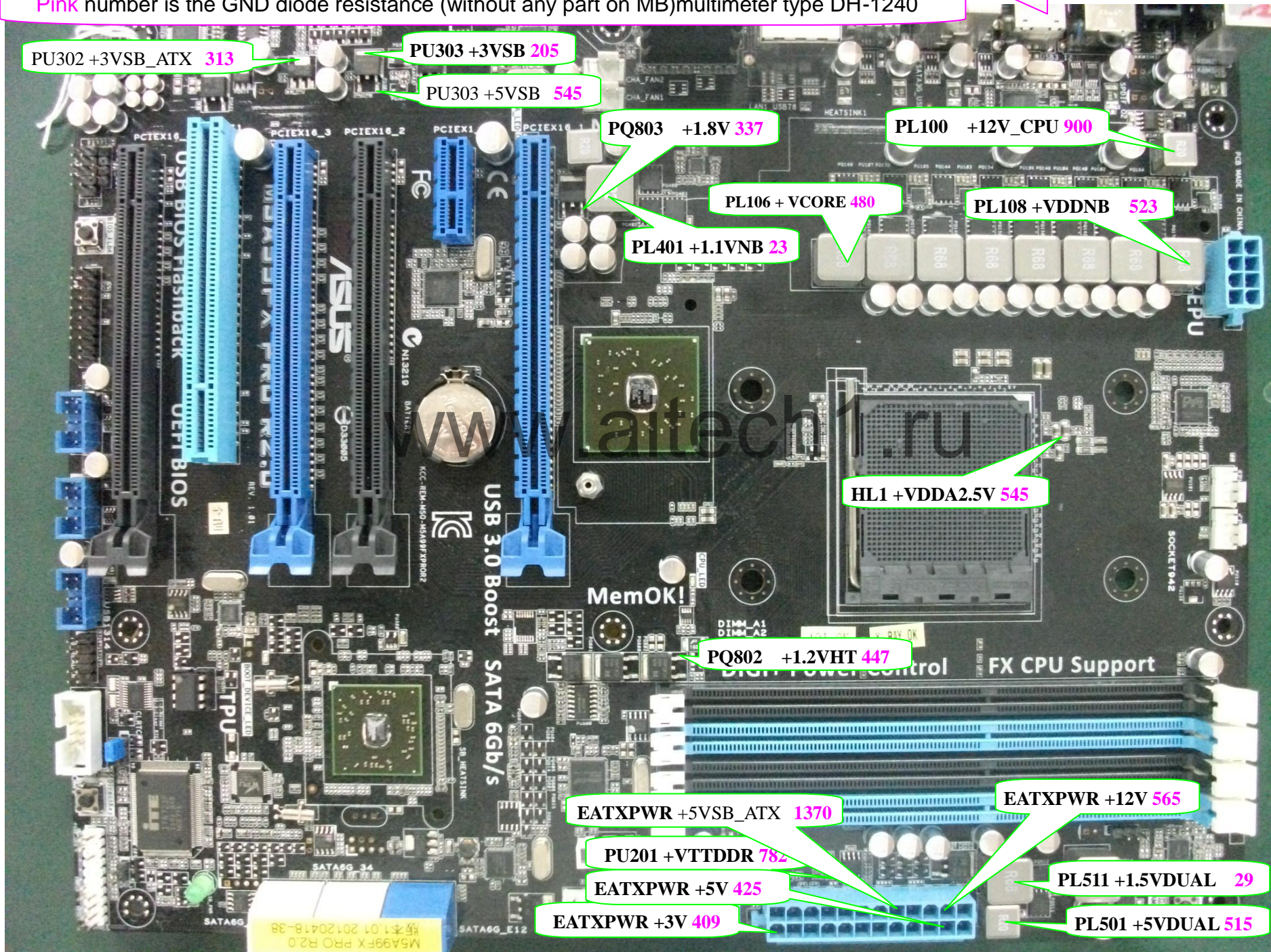
Frequency Flow



Voltage Measure Point

multi meter “V Ω mA” port touch GND

Pink number is the GND diode resistance (without any part on MB)multimeter type DH-1240



Signal Measure Point

