

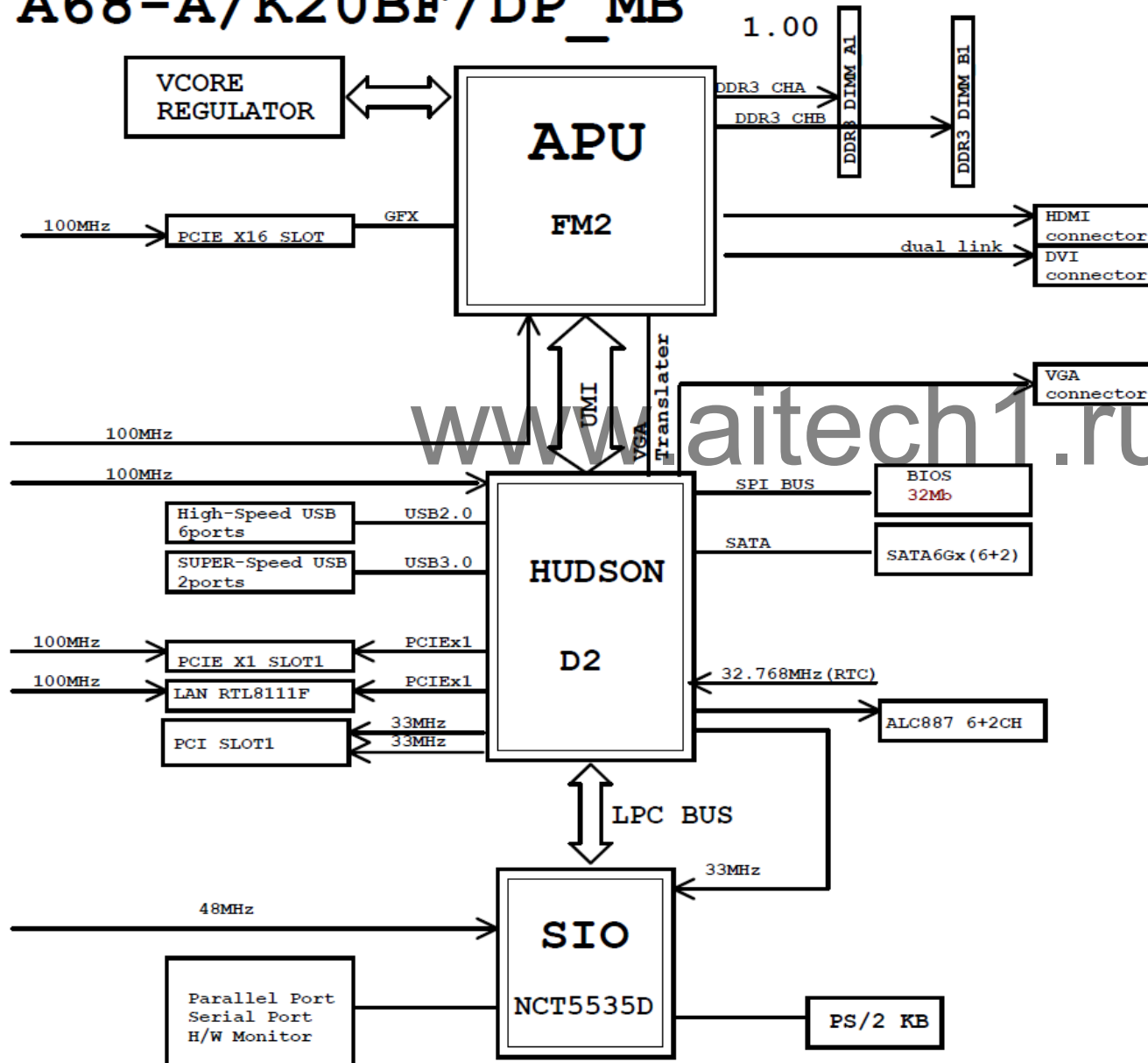
K20BF Repair Guide

JUN/26 2015

SAM
GTSD

BLOCK DIAGRAM

A68-A/K20BF/DP_MB



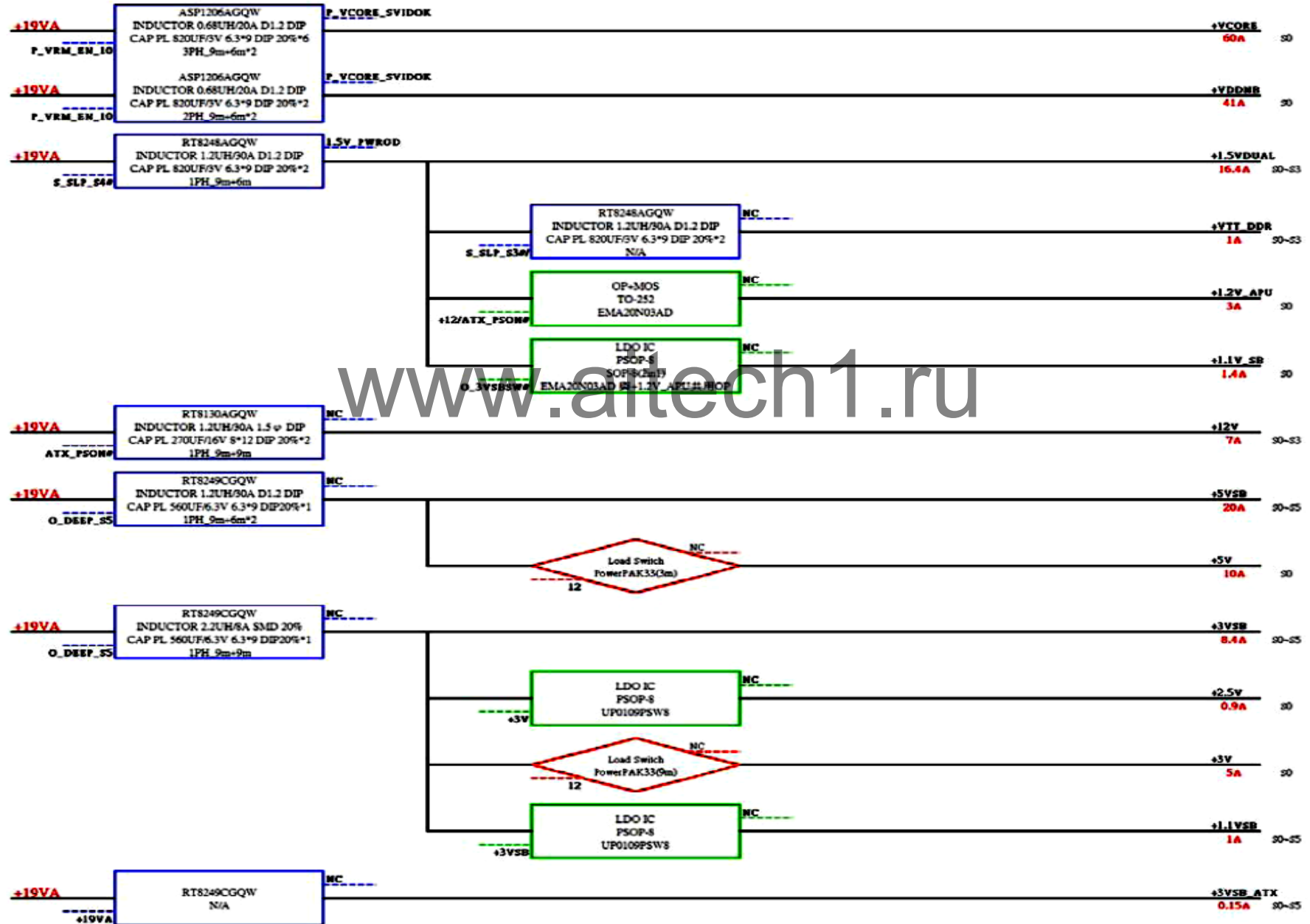
PAGE	TITLE
01	BLOCK / INDEX
02	CLOCK DISTRIBUTION
03	POWER Sequence
05	P-Power Flow
06-09	VCore
10-19	Other Power
20	
21	
23	FM2-01 (DDR3)
24	FM2-02 (PCIE/UMI)
25	FM2-03 (DISPLAY/CLOCK)
26	FM2-04 (PWR)
27	FM2-05 (GND)
28	SEQUENCE
29	DDR3 Channel A
30	DDR3 Channel B
31	DDR3 PWR
32	
33	FM2-08 (DVI)
34	FM2-09 (VGA TRANSLATOR)
35	FM2-10 (VGA CONNECTOR)
36	
37	
38	
39	FM2-14 (PCIE X16)
40	
41	
42	FM2-17 (PCIE X1)
43	
44	D4-01 (UMI/PCIE/PCI/LPC)
45	D4-02 (SATA/VGA/SPI/PHY)
46	D4-03 (USB/ACPI/AUDIO)
47	D4-04 (PWR)
48	D4-05 (GND)
49	D4-06 (STRAPS)
50	D4-07 (ACC)
51	D4-08 (SATA/ESATA)
52	D4-09 (PCI SLOT 1&2)
53	
54	
55	
56	
57	
58-60	AUDIO ALC887
61-62	LAN RTL8111F
63-67	
68-72	
73-75	SIO ITE8603
76-80	USB Connector
81-87	
88-92	Others

ASUS
ASUSTEK COMPUTER INC.
Title: BLOCK / INDEX
Engineer: Jade_Zeng

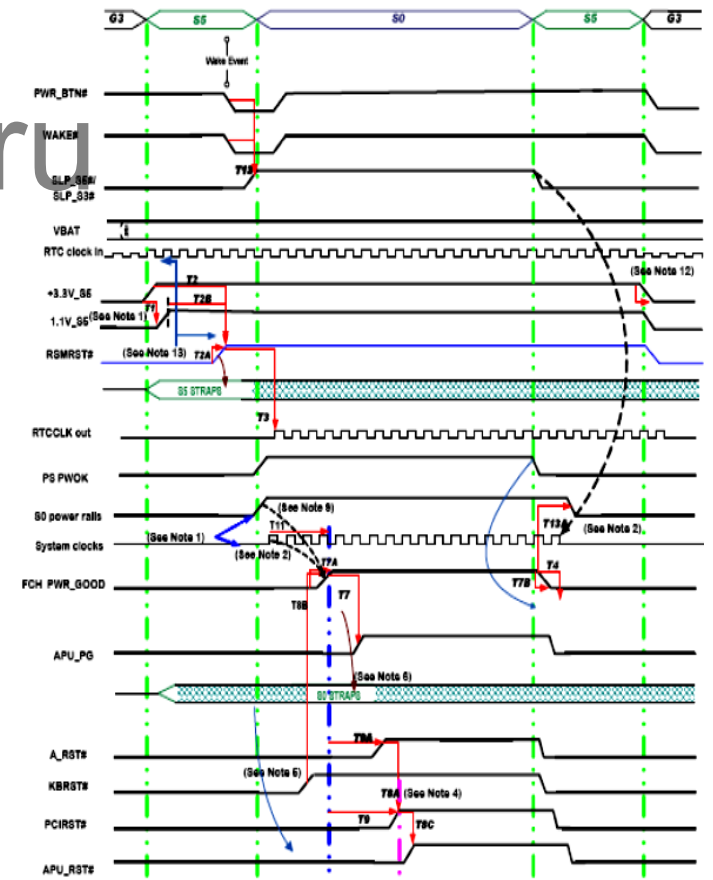
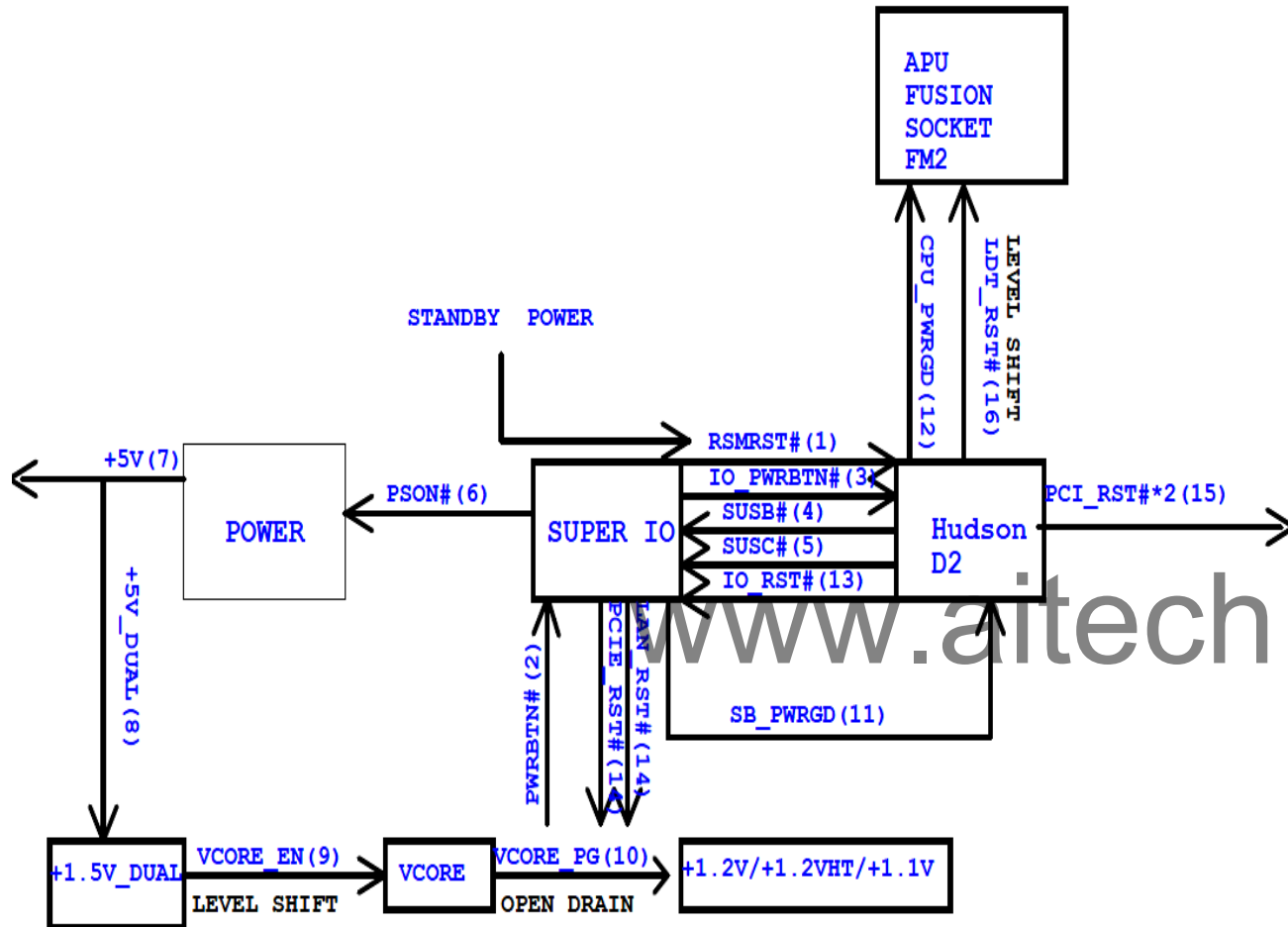
Size	Project Name	Rev
A3	K20BF	1.01

POWER FLOW

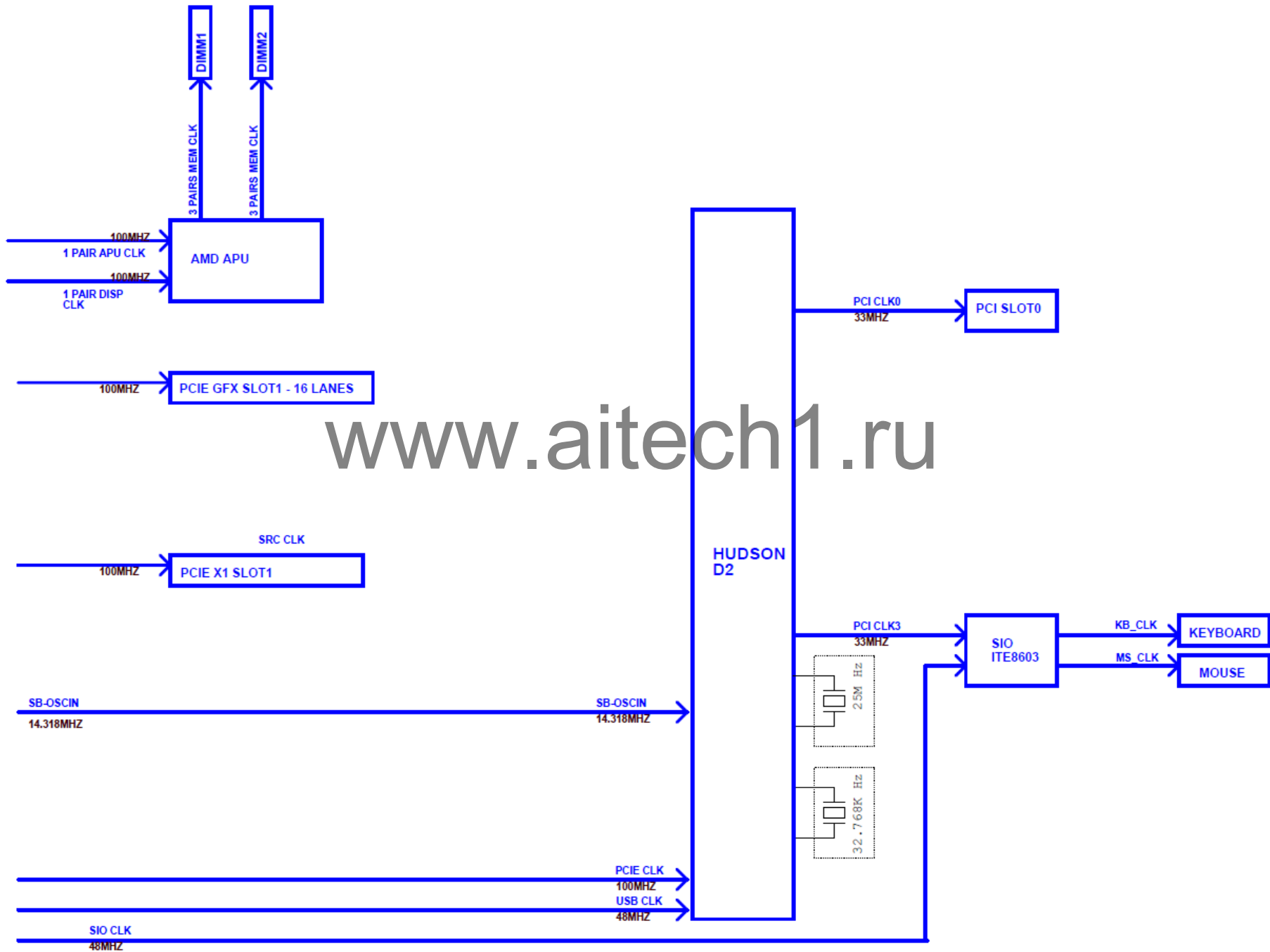
K20BF



POWER ON SEQUENCE



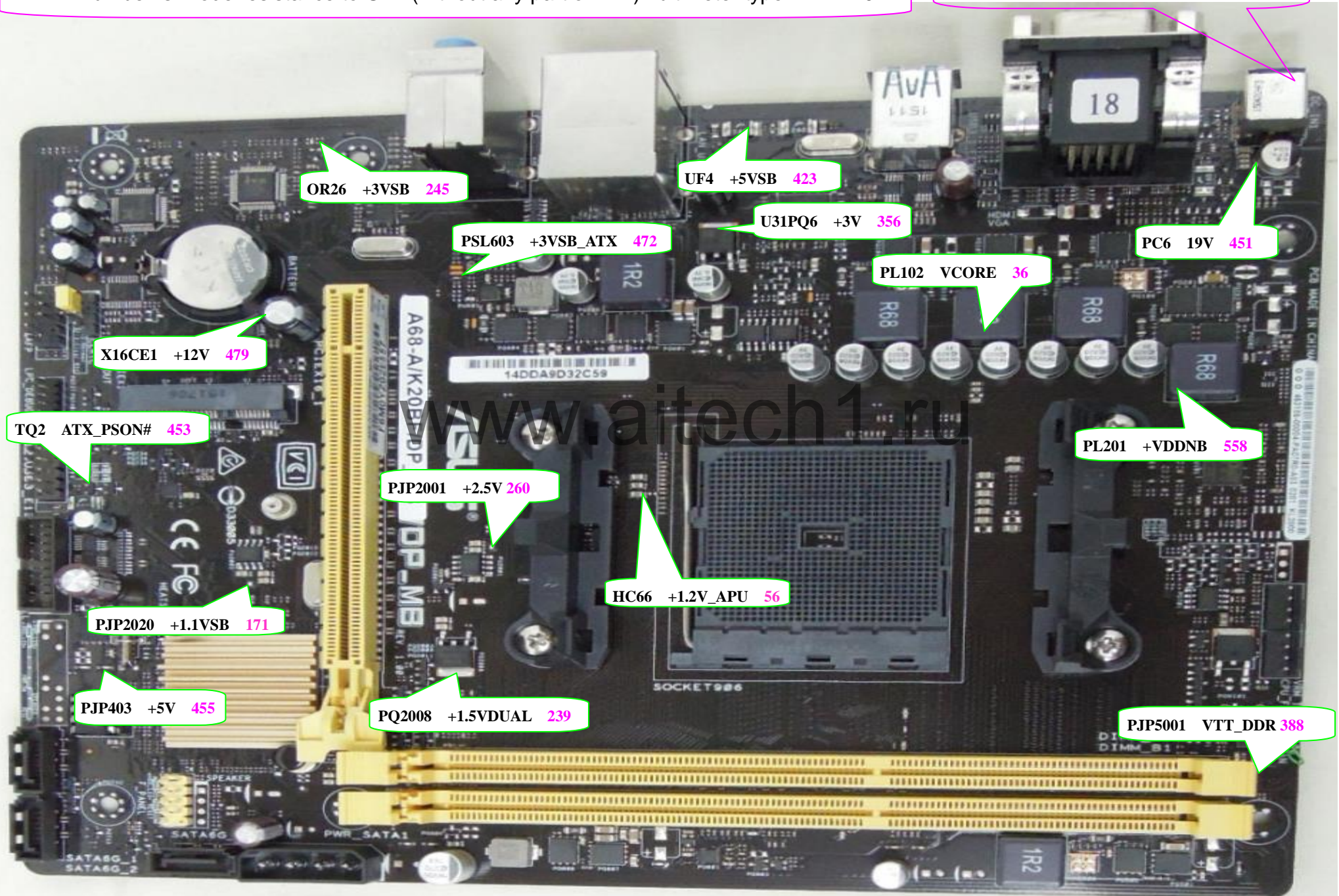
Frequency Flow



Voltage Measure Point

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

multi meter "VΩmA" port touch GND



Signal Measure Point

