HD6570 (C331P2) Repair Guide

Nov/13/2012
Bo_liu
CSC-GRMA

ASUS Model name	HD6570-2GD3-DI
ASUS P/N	60YV00E4-VG0A01
Graphics Engine	ATI Radeon HD 6570
GPU P/N	02G050007001
Bus Standard	PCI Express 2.1
Video Memory	GDDR3 2GB
Engine Clock	650 MHz
Memory Clock	1600 MHz (1800 MHz GDDR3)
Memory Interface	128-bit

Page1. Basic Information about the Model

Page2. Block Diagram

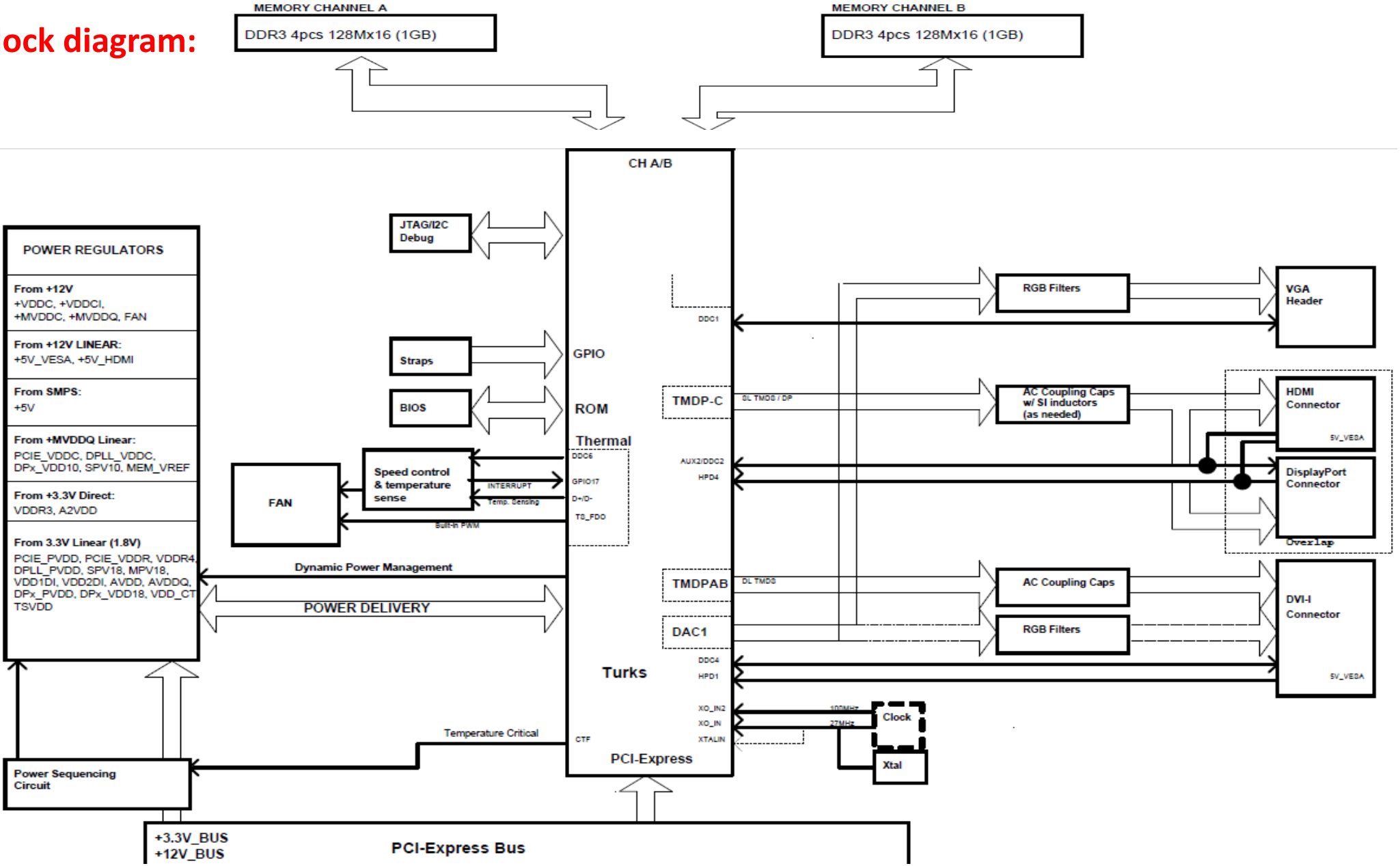
Page3. Power Flow

Page4. Power Sequence

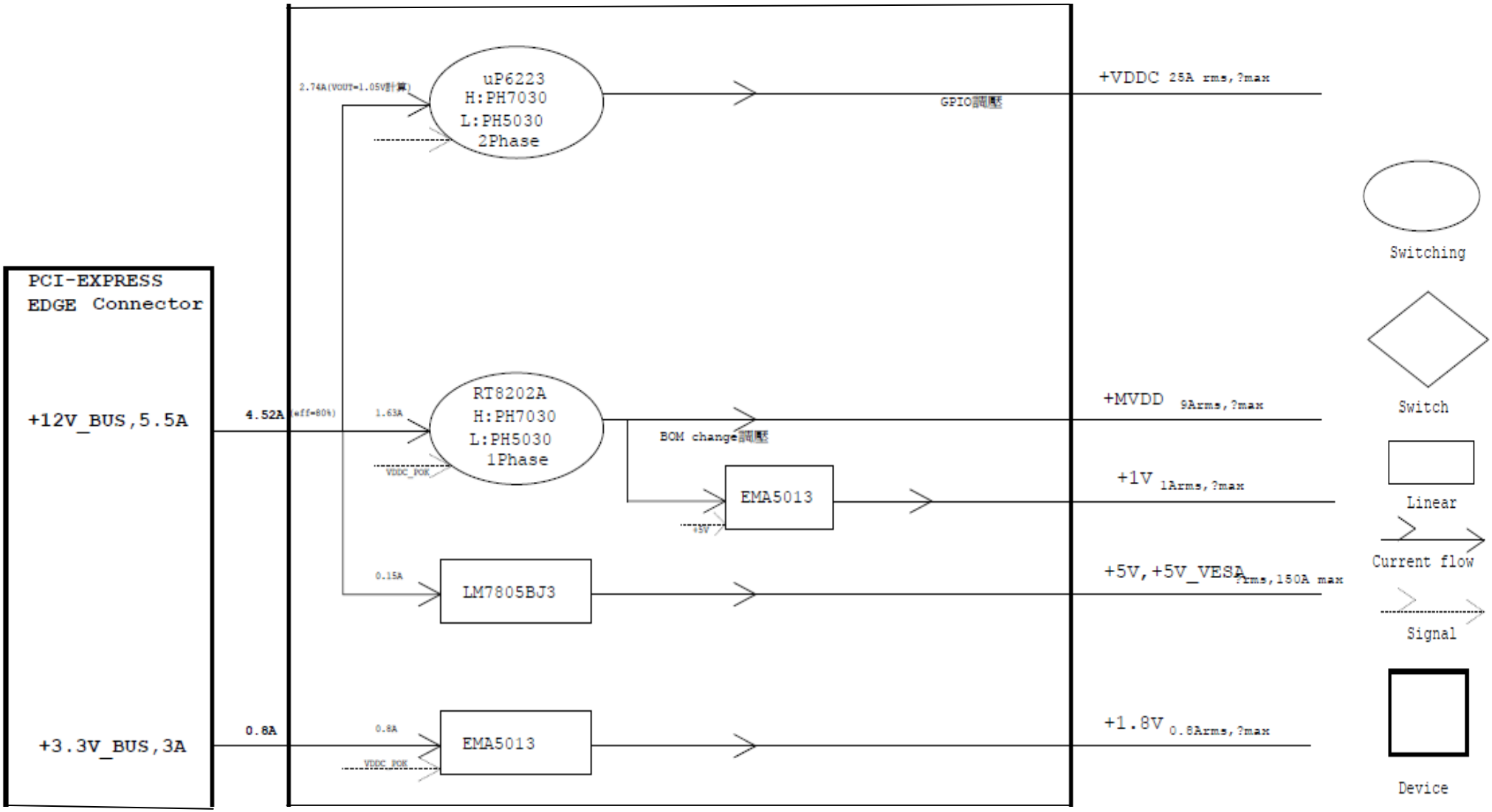
Page5. Important Signal map (Top side)

Page6. Important Signal map (Bottom side)

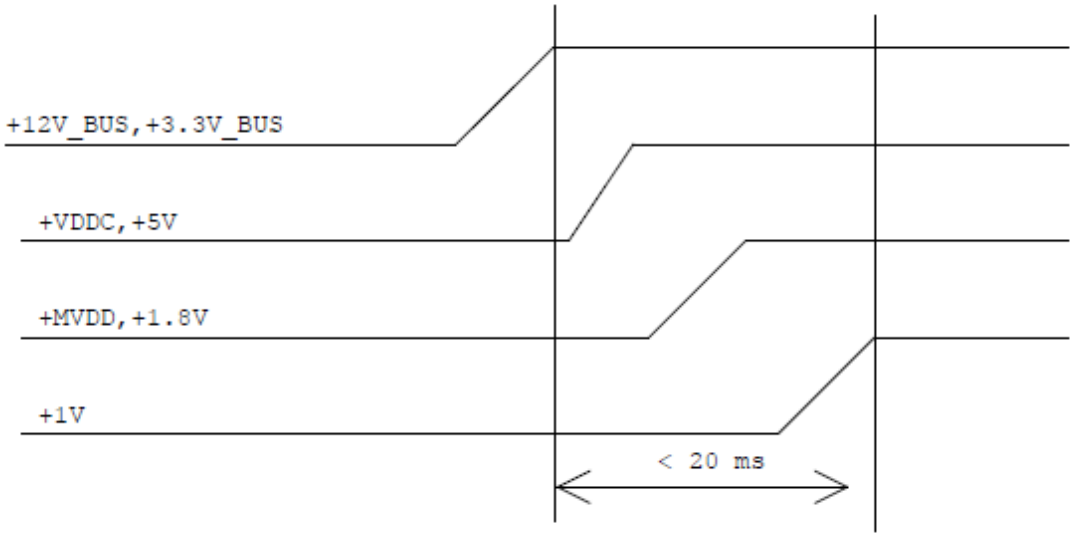
Block diagram:

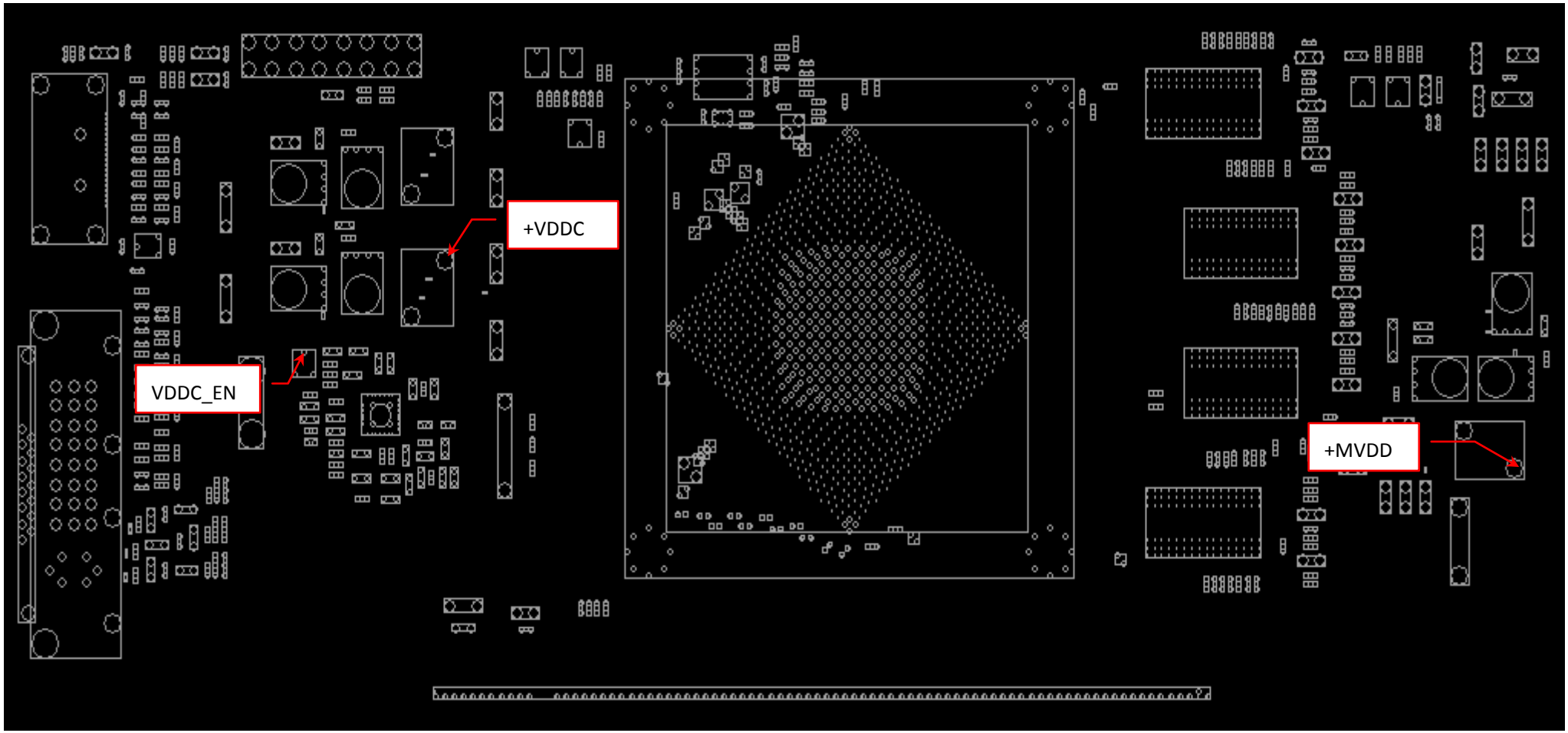


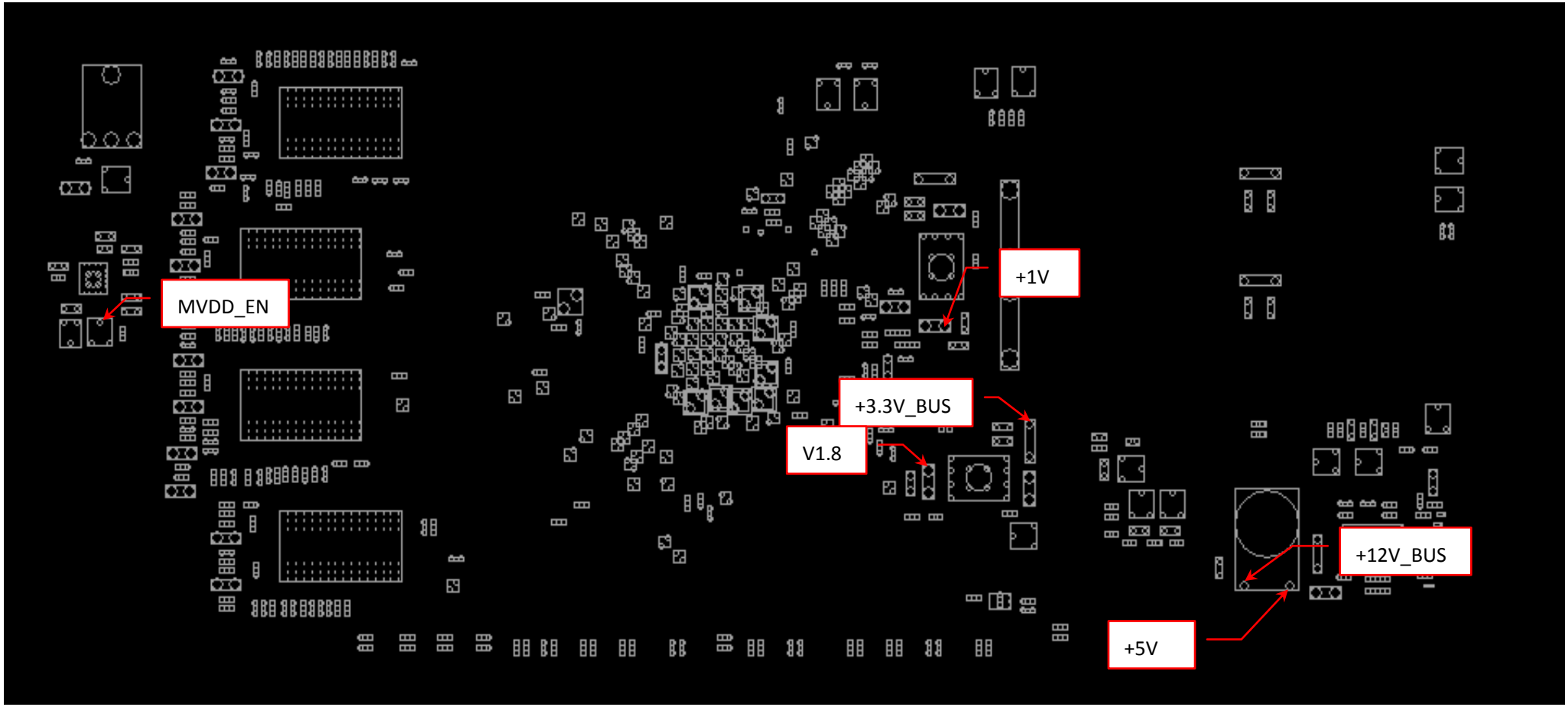
Power Flow:


PCI-EXPRESS
EDGE Connector
+12V_BUS,5.5A
+3.3V_BUS,3A
4.52A
0.8A
uP6223
H:PH7030
L:PH5030
2Phase
RT8202A
H:PH7030
L:PH5030
1Phase
EMA5013
LM7805BJ3
EMA5013
GPIO調壓
BOM change調壓
+VDDC 25A rms,?max
+MVDD 9Arms,?max
+1V 1Arms,?max
+5V,+5V_VESA ?rms,150A max
+1.8V 0.8Arms,?max
Switching
Switch
Linear
Current flow
Signal
Device

Power Sequence:




+VDDC
VDDC_EN
+MVDD


MVDD_EN
+1V
+3.3V_BUS
V1.8
+12V_BUS
+5V