EAH6670(C242PMI)Repair Guide

May/1/2011
Medison_Huang
CSC-GRMA

ASUS Model name	EAH6670/DIS/1GD5
ASUS P/N	80-C1CQR5-L0A01
Graphics Engine	ATI Radeon HD 6670
GPU P/N	02G050007000
Bus Standard	PCI Express 2.1
Video Memory	GDDR5 1GB
Engine Clock	810 MHz
Memory Clock	4000 MHz (2000 MHz GDDR5)
Memory Interface	128-bit

Page1. Basic Information about the Model

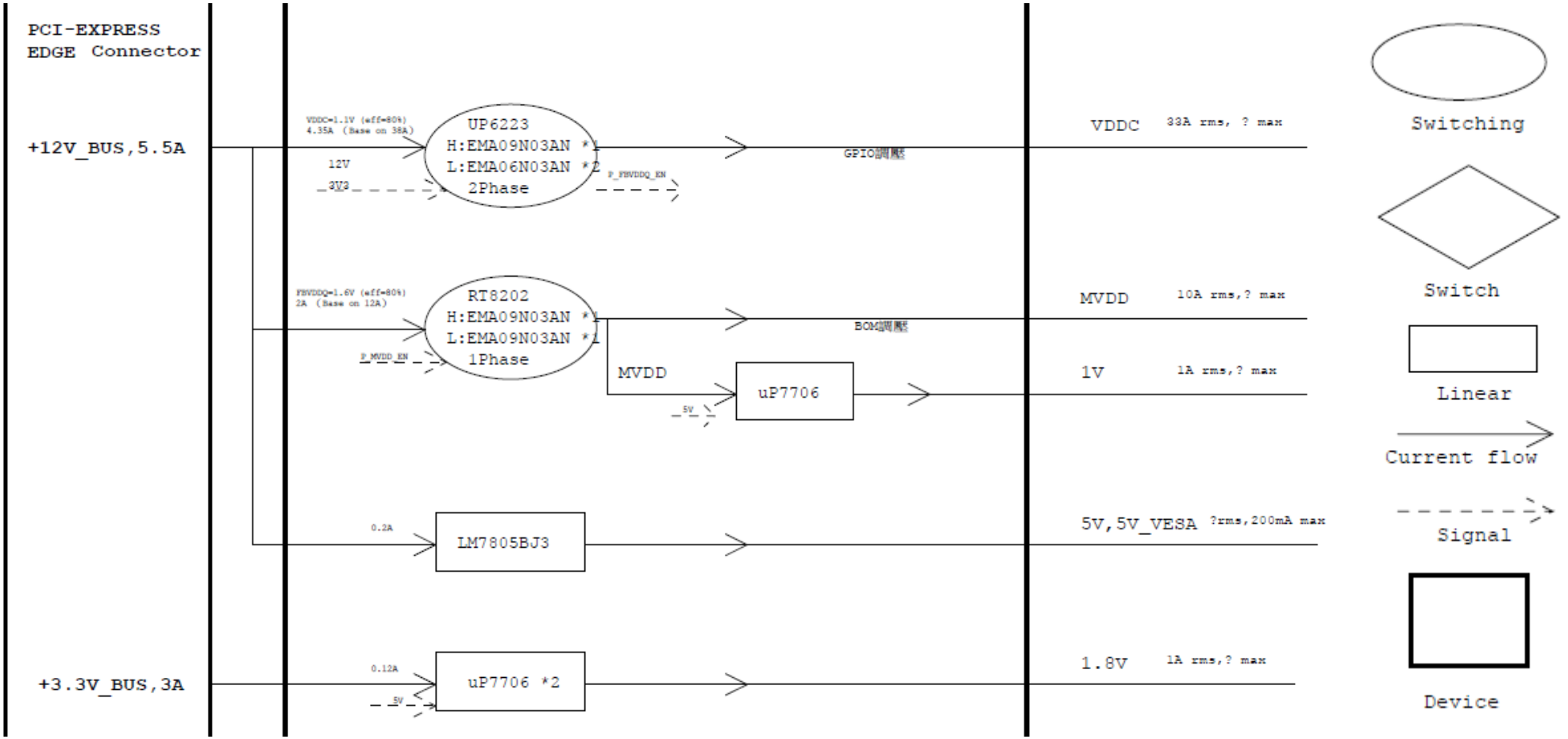
Page2. Power Flow

Page3. Power Sequence

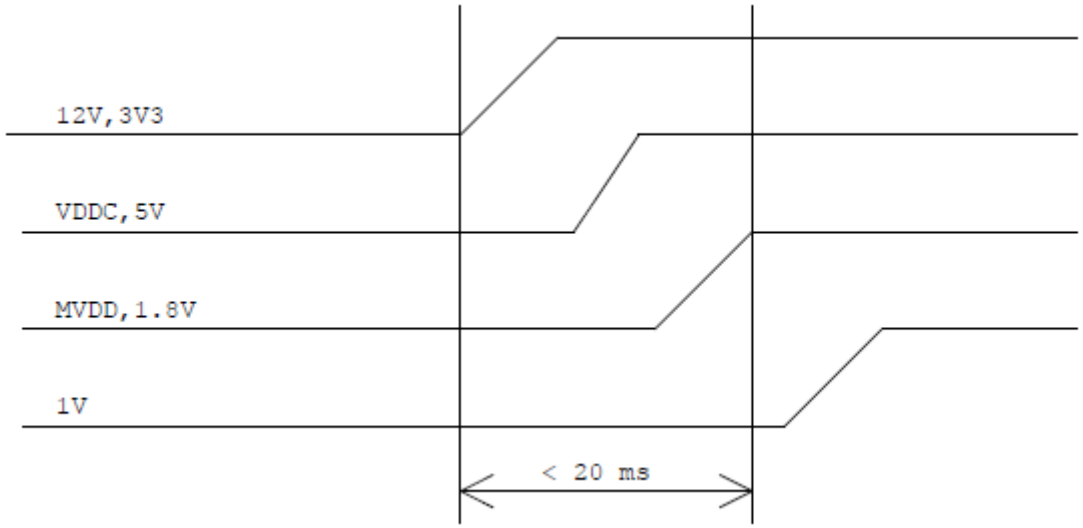
Page4. Important Signal map (Top side)

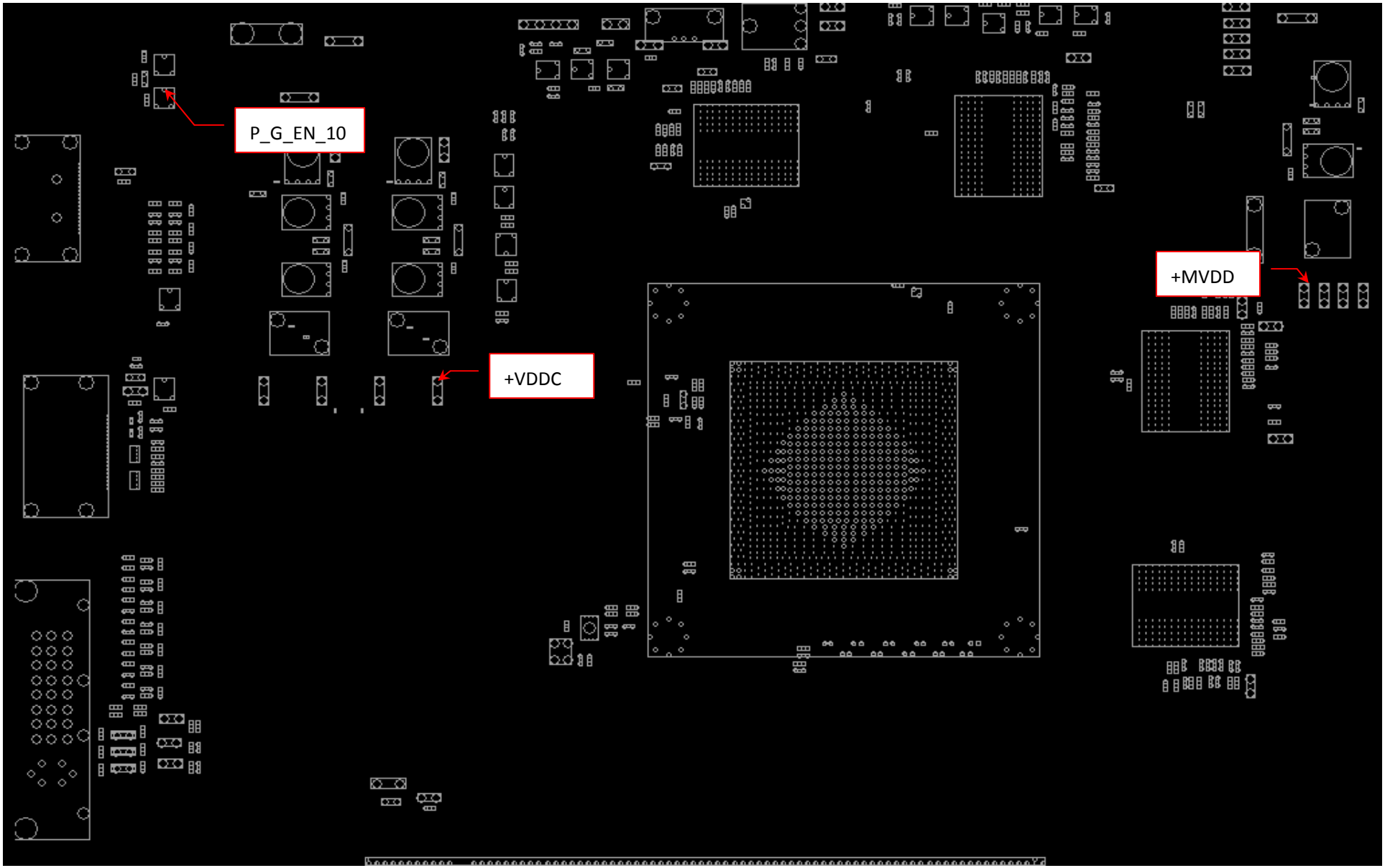
Page5. Important Signal map (bottom side)

Power Flow:


PCI-EXPRESS
EDGE Connector
+12V_BUS,5.5A
+3.3V_BUS,3A
UP6223
H:EMA09N03AN *1
L:EMA06N03AN *2
2Phase
12V
3V3
GPIO調壓
VDDC
33A rms, ? max
RT8202
H:EMA09N03AN *1
L:EMA09N03AN *1
1Phase
P_MVDD_EN
BOM調壓
MVDD
10A rms,? max
MVDD
uP7706
5V
1V
1A rms,? max
0.2A
LM7805BJ3
5V,5V_VESA
?rms,200mA max
0.12A
uP7706 *2
1.8V
1A rms,? max
Switching
Switch
Linear
Current flow
Signal
Device

Power Sequence:




P_G_EN_10
+VDDC
+MVDD

+1V
+1.8V
+5V
+12_BUS