EAH5450(C027PML2)Repair Guide

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CSC-GRMA

ASUS Model name	EAH5450 SILENT/DI/1GD3/V2/DP
ASUS P/N	80-C1CQJ5-L0A01
Graphics Engine	ATI Radeon HD 5450
GPU P/N	02G050005400DP
Bus Standard	PCI Express 2.1
Video Memory	GDDR3 1GB
Engine Clock	650 MHz
Memory Clock	800 MHz (400 MHz GDDR3)
RAMDAC	400 MHz
Memory Interface	64-bit

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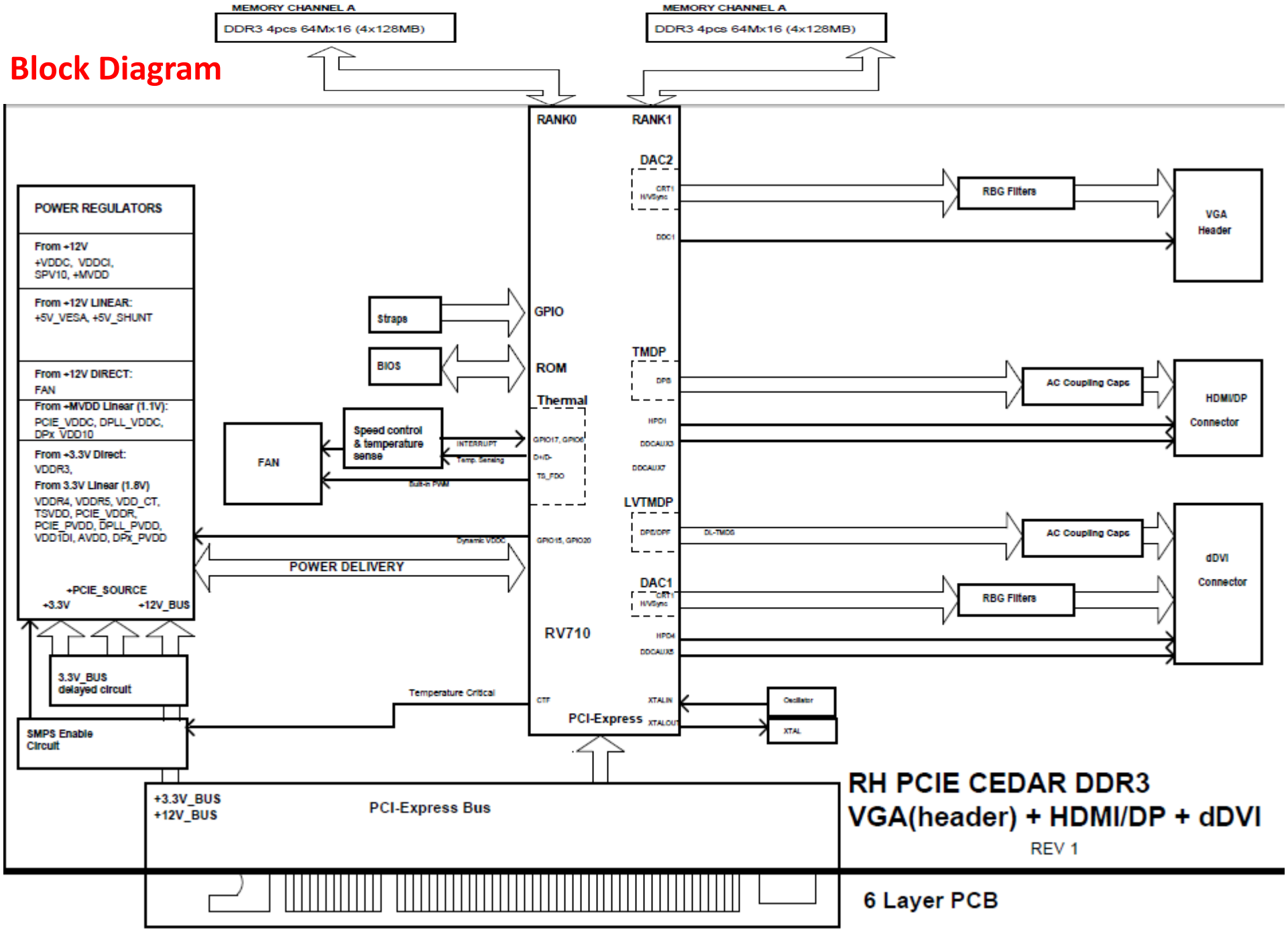
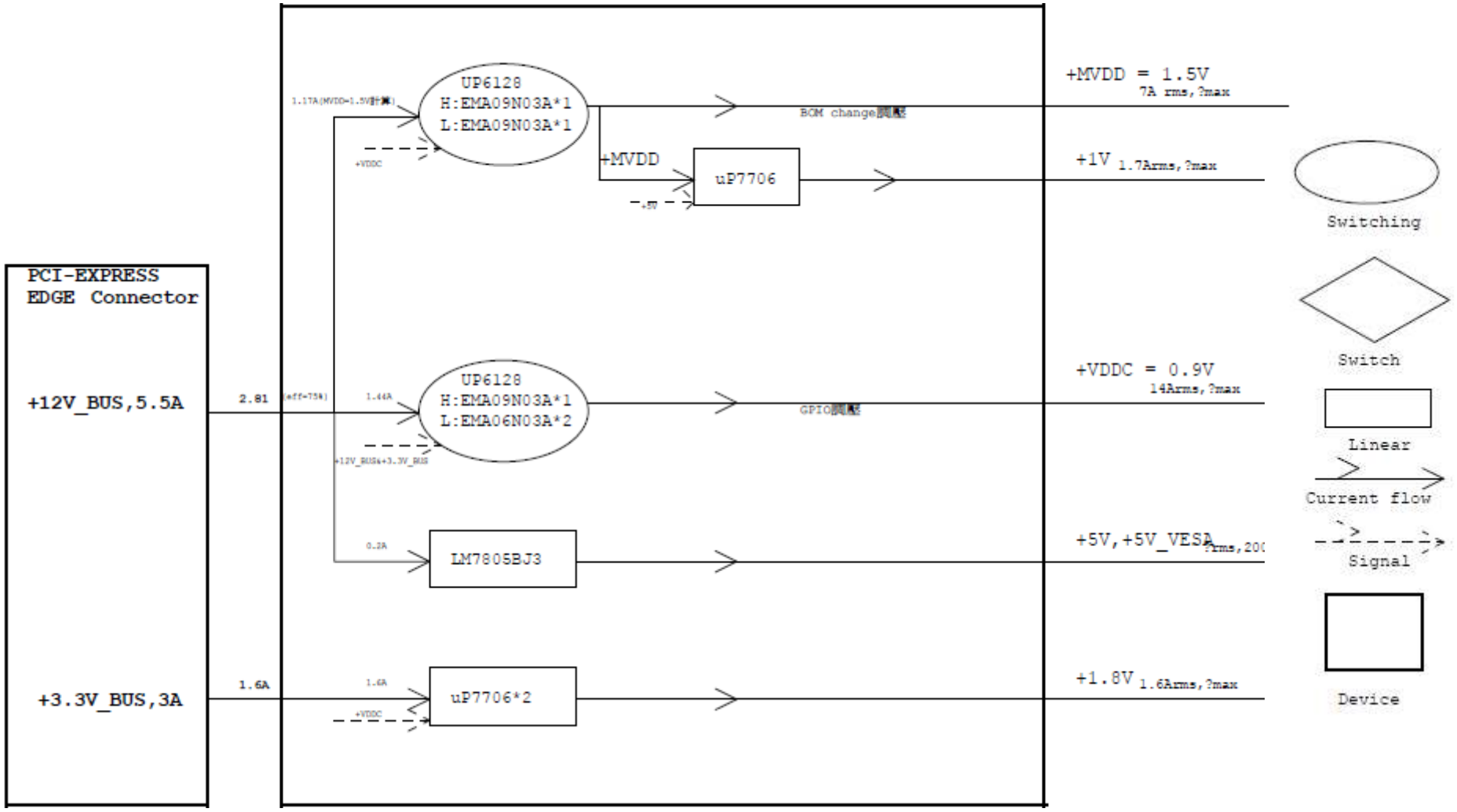
Page6. Important Signal map (bottom side)

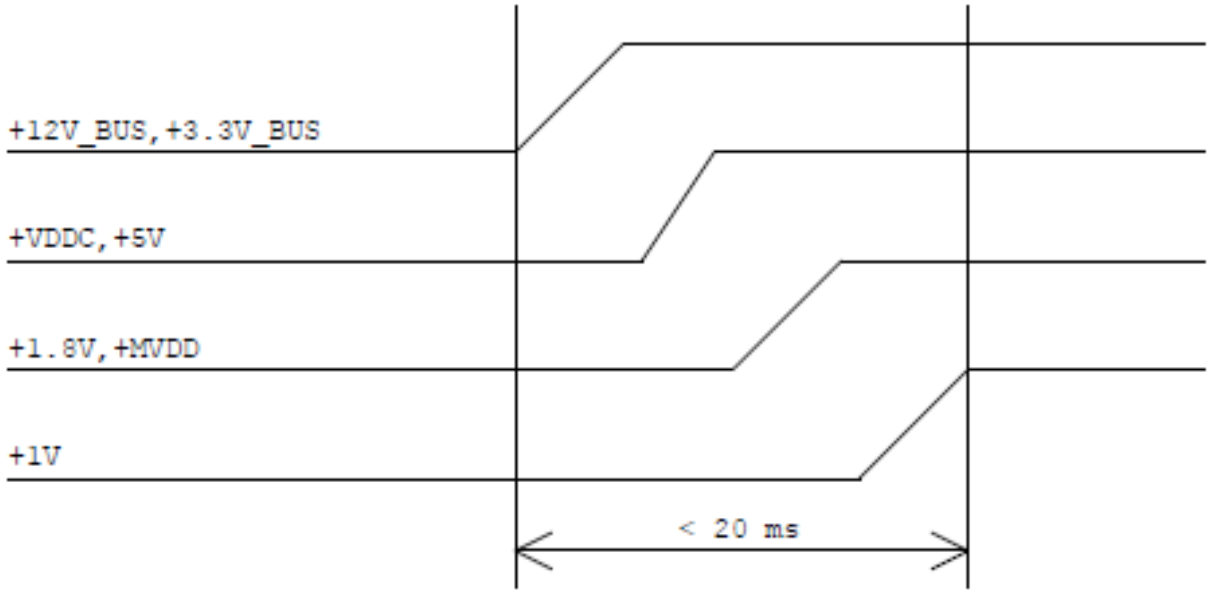
Block Diagram

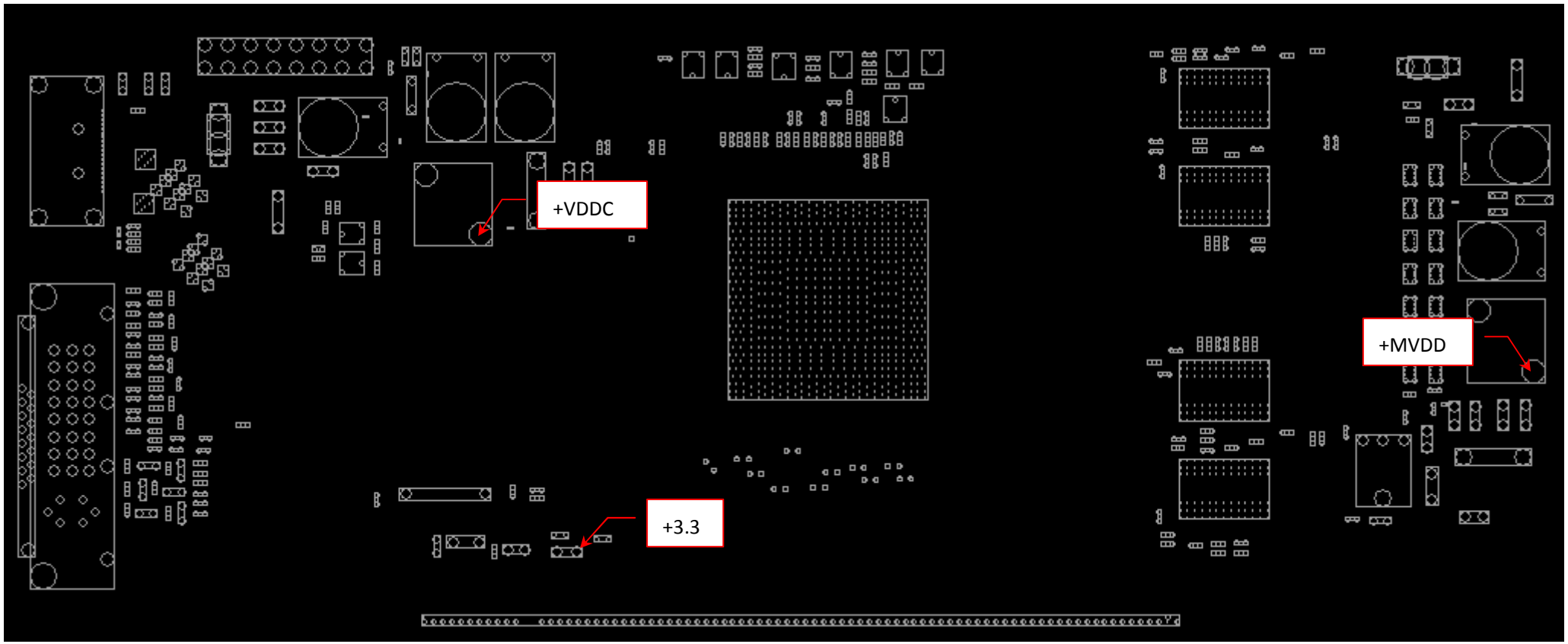


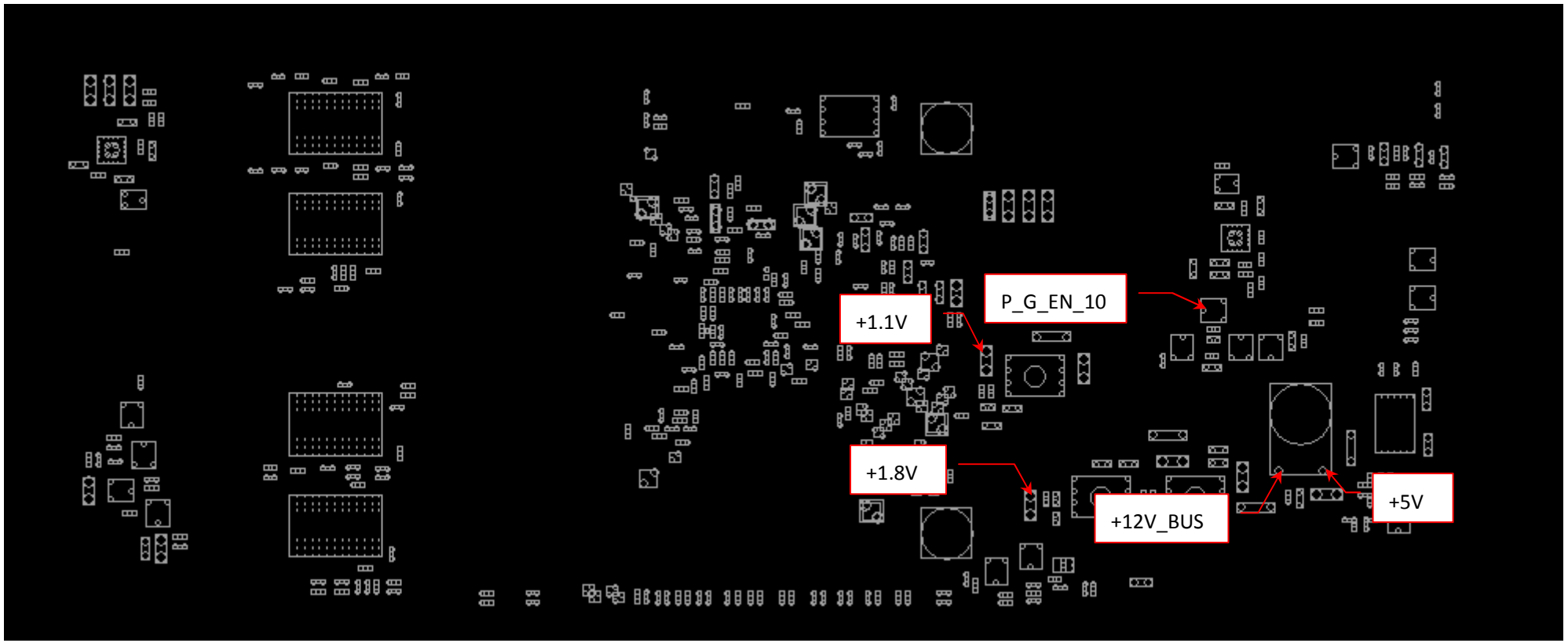
Power Flow


PCI-EXPRESS
EDGE Connector
+12V_BUS,5.5A
+3.3V_BUS,3A
2.81
1.6A
UP6128
H:EMA09N03A*1
L:EMA09N03A*1
+MVDD
uP7706
UP6128
H:EMA09N03A*1
L:EMA06N03A*2
LM7805BJ3
uP7706*2
+MVDD = 1.5V
7A rms, ?max
+1V 1.7Arms, ?max
+VDDC = 0.9V
14Arms, ?max
+5V,+5V_VESA
+1.8V 1.6Arms, ?max
Switching
Switch
Linear
Current flow
Signal
Device

Power Sequence




+VDDC
+3.3
+MVDD


+1.1V
P_G_EN_10
+1.8V
+12V_BUS
+5V