R9280X (C386PI3) Repair Guide

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Bo_Liu
CSC-GRMA

ASUS Model name	R9280X-DC2T-3GD5-2DIS
ASUS P/N	60YV0500-VG0A02
Graphics Engine	AMD Redeon HD7900
GPU P/N	02002-00060600
Bus Standard	PCI Express 3.0
Video Memory	GDDR5 3GB
Engine Clock	1050MHz
Memory Clock	6000MHz
Memory Interface	384-bit

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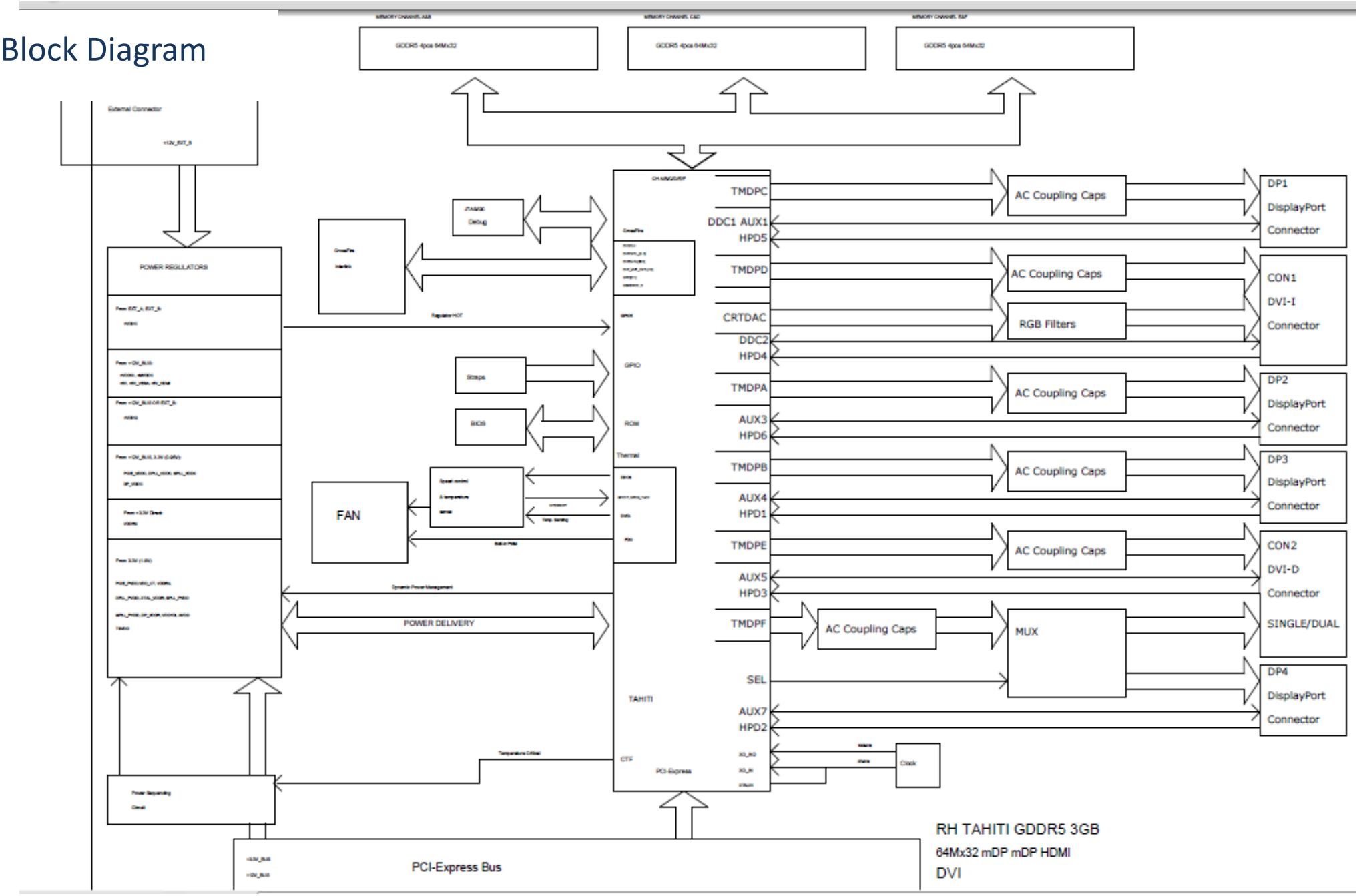
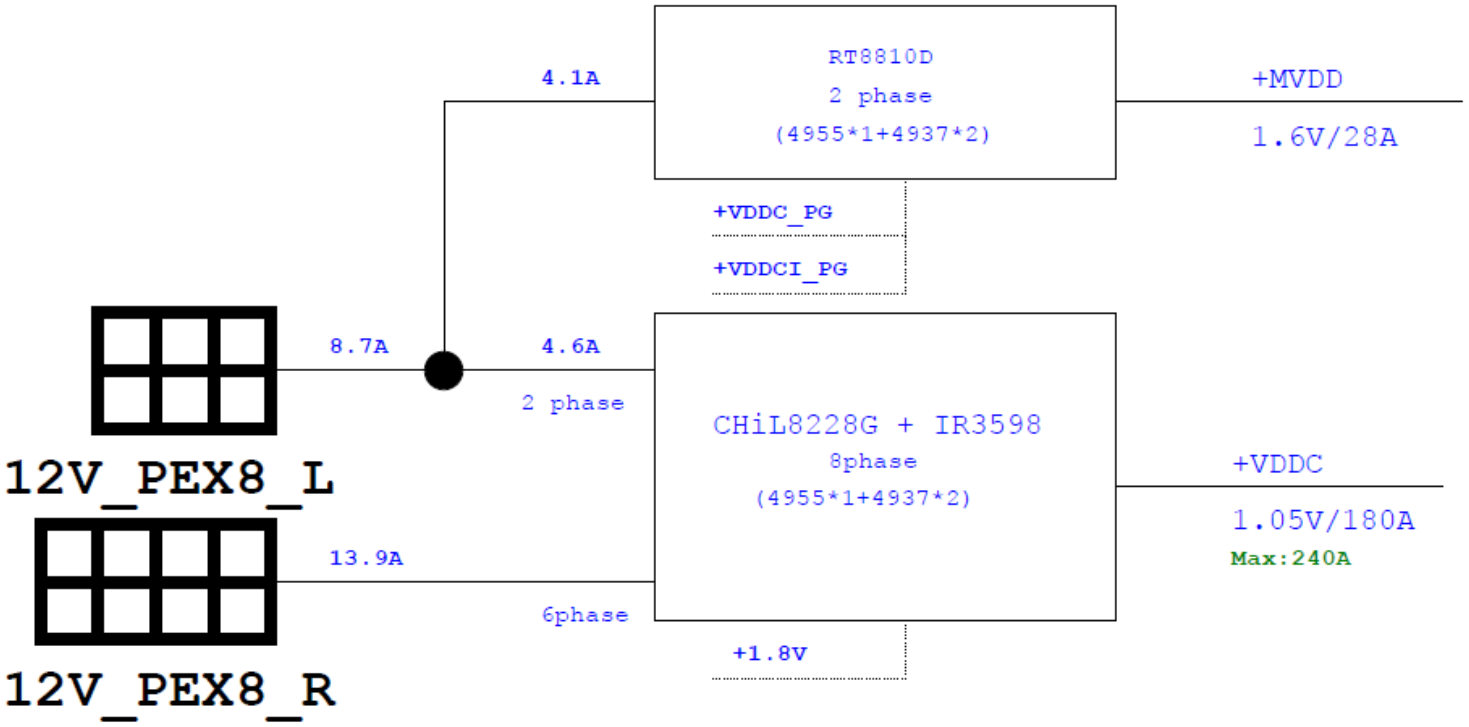
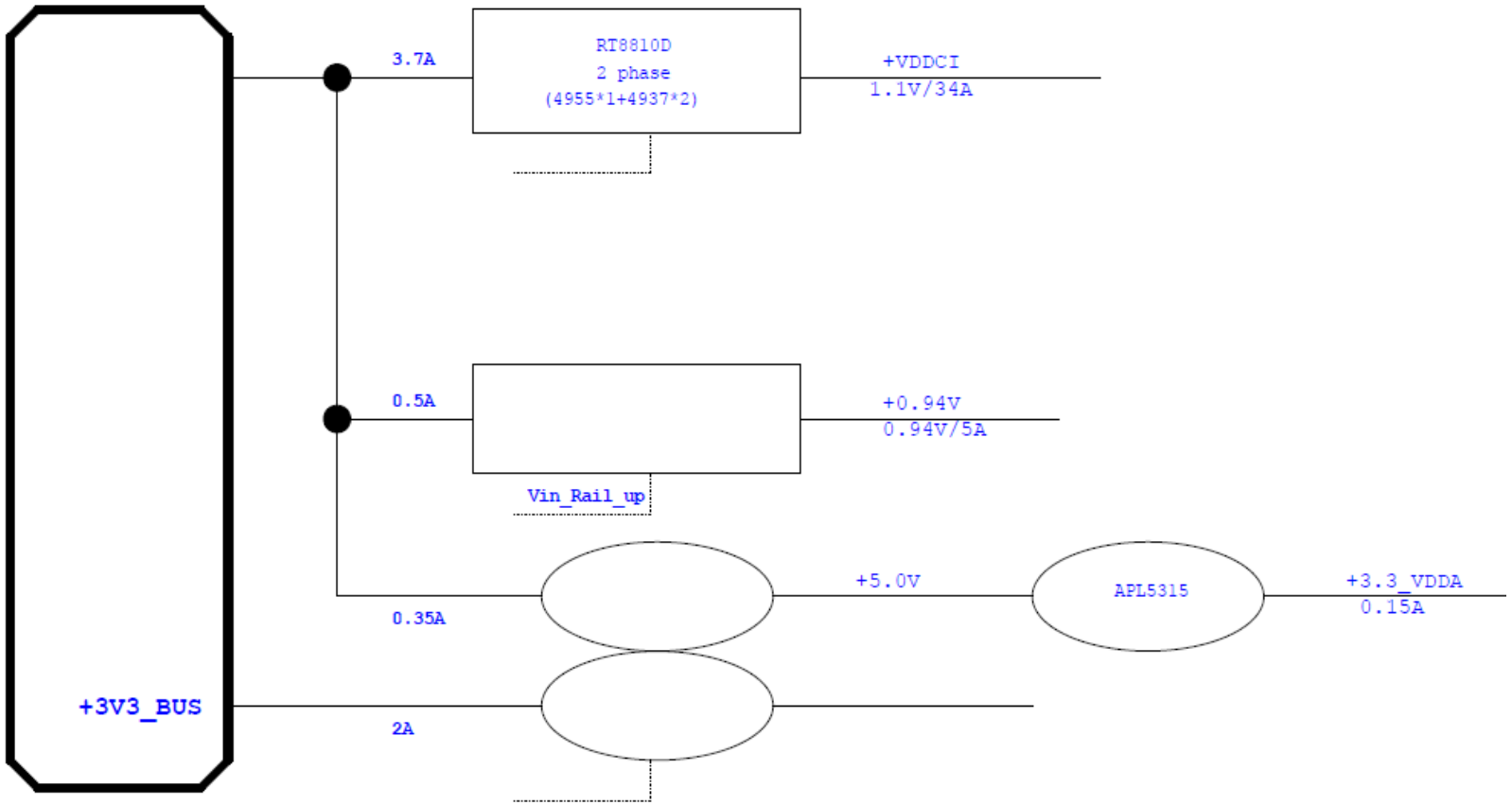
Block Diagram



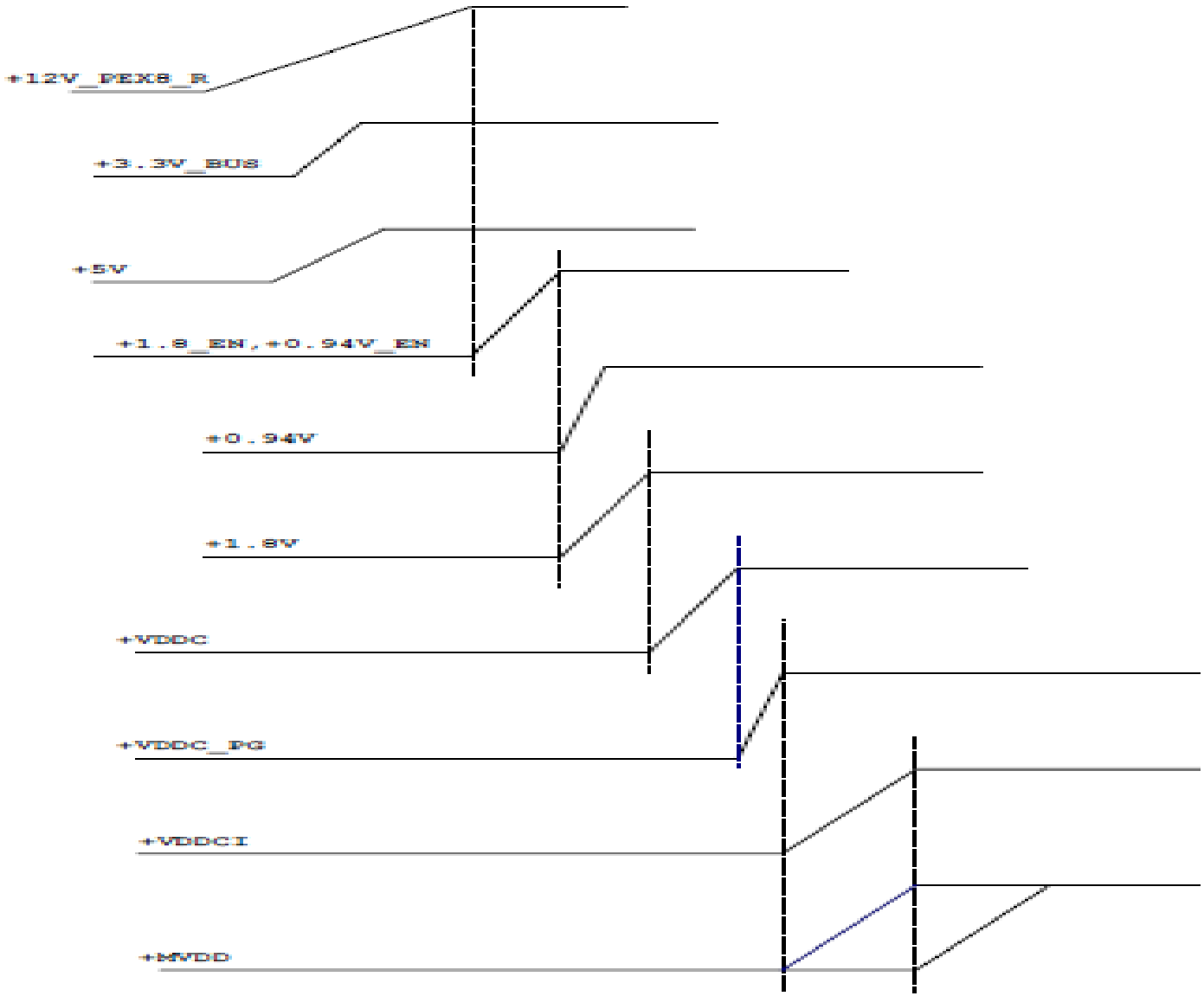
Power Flow

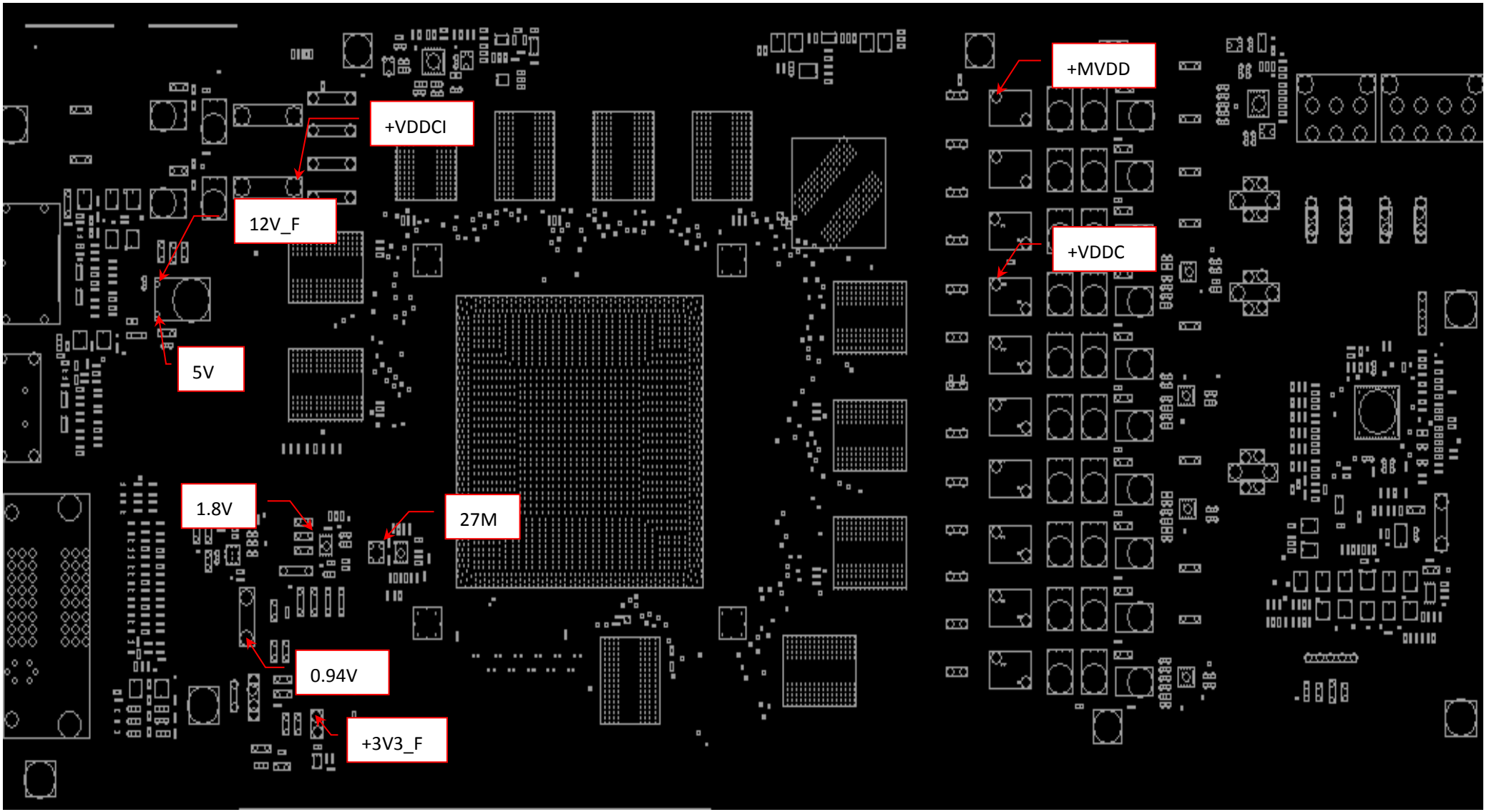

RT8810D
2 phase
(4955*1+4937*2)
4.1A
+MVDD
1.6V/28A
+VDDC_PG
+VDDCI_PG
8.7A
4.6A
2 phase
CHiL8228G + IR3598
8phase
(4955*1+4937*2)
+VDDC
1.05V/180A
Max:240A
12V_PEX8_L
13.9A
6phase
+1.8V
12V_PEX8_R

Power Flow



Power sequence


+12V_PEX8_R
+3.3V_BUS
+5V
+1.8_EN,+0.94V_EN
+0.94V
+1.8V
+VDDC
+VDDC_PG
+VDDCI
+MVDD


+VDDCI
12V_F
5V
1.8V
27M
0.94V
+3V3_F
+MVDD
+VDDC