GTX680(C2002P)Repair Guide

Apr/13/2012
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CSC-GRMA

ASUS Model name	GTX680-DC2-2GD5-2DIS
ASUS P/N	60YV02F2-VG0A02
Graphics Engine	GF GTX680
GPU P/N	02G190018700
Bus Standard	PCI Express 3.0
Video Memory	GDDR5 2GB
Engine Clock	1058 MHz
Memory Clock	6008 MHz
Memory Interface	256-bit

Page1. Basic Information about the Model

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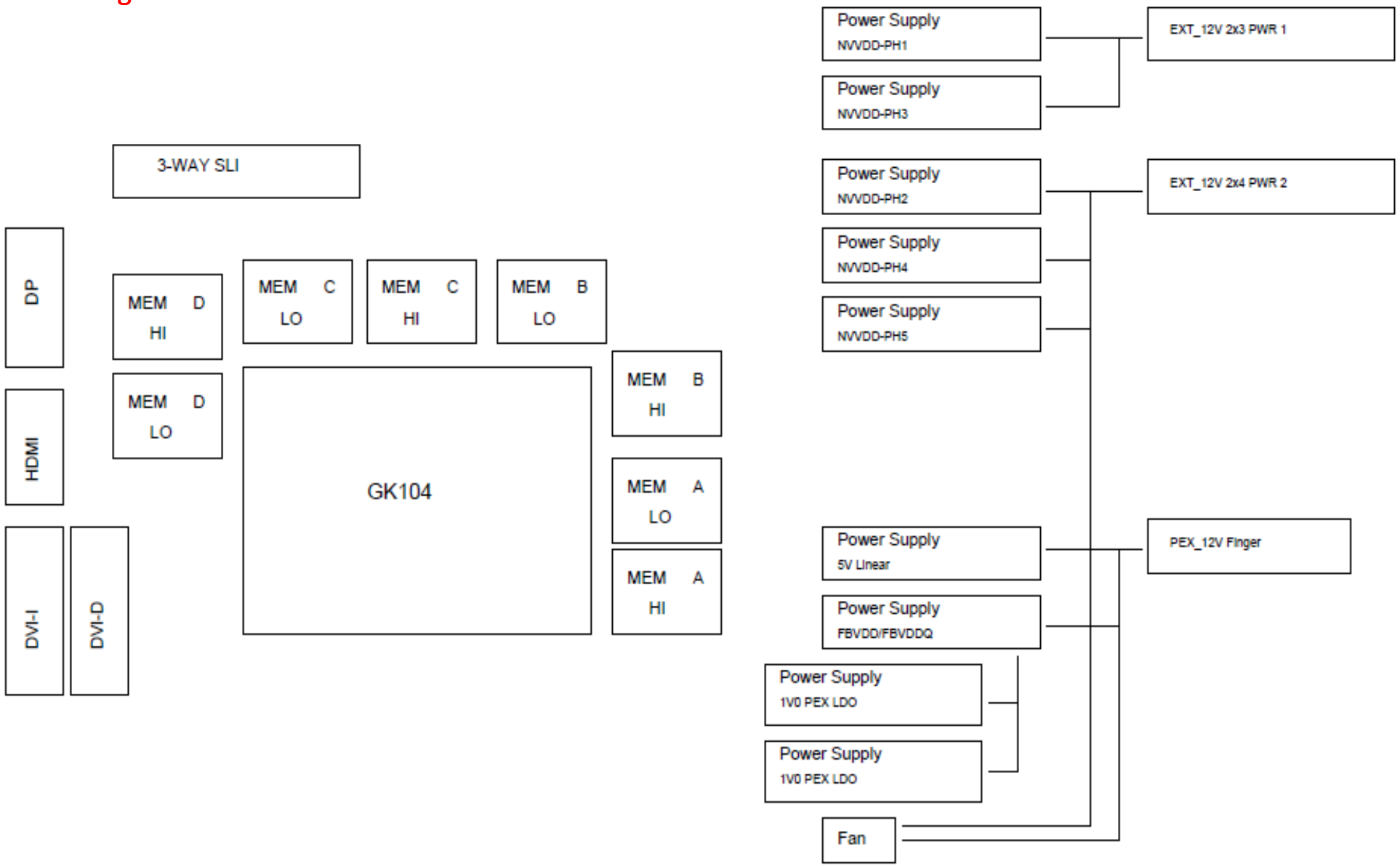
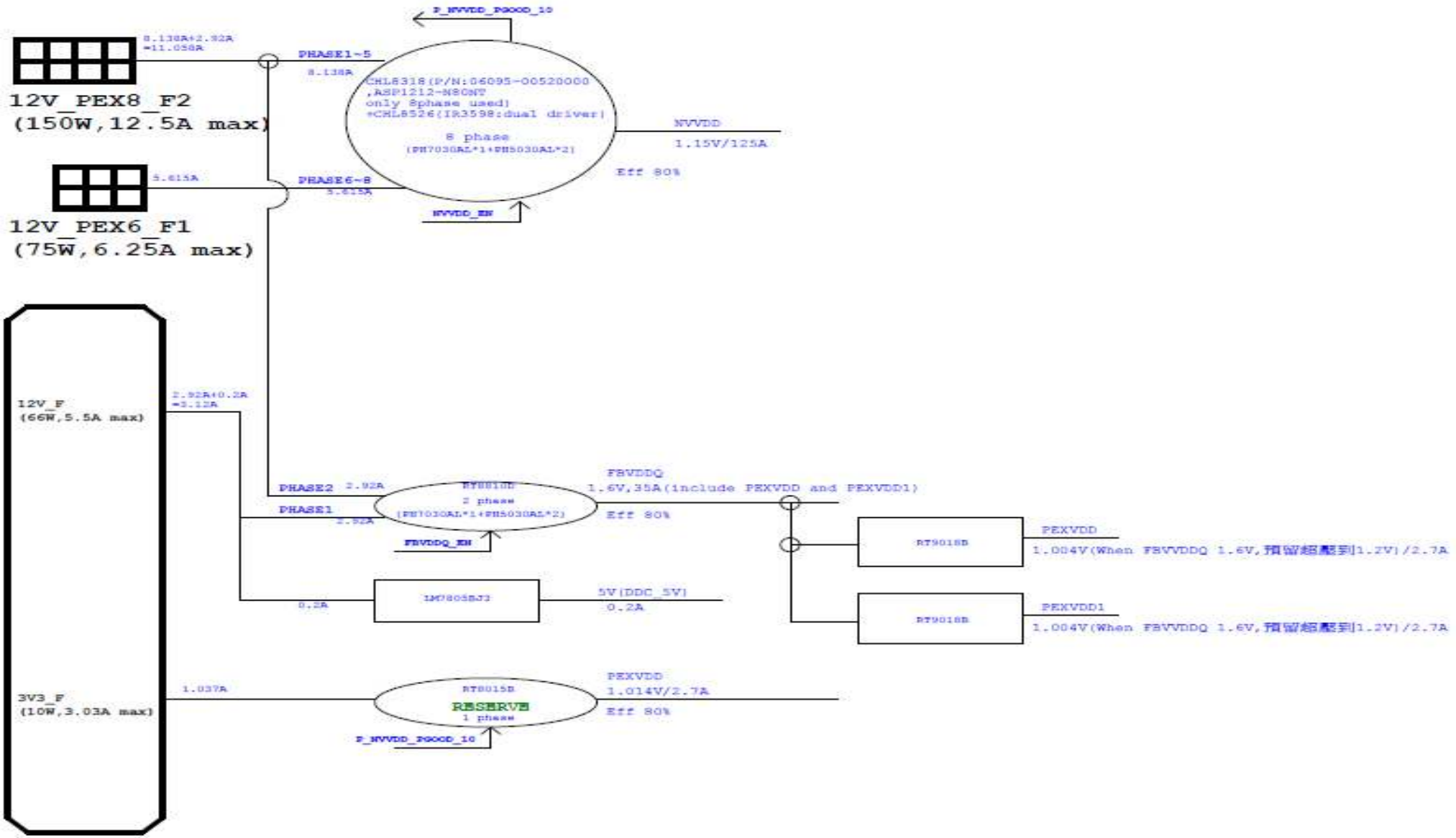
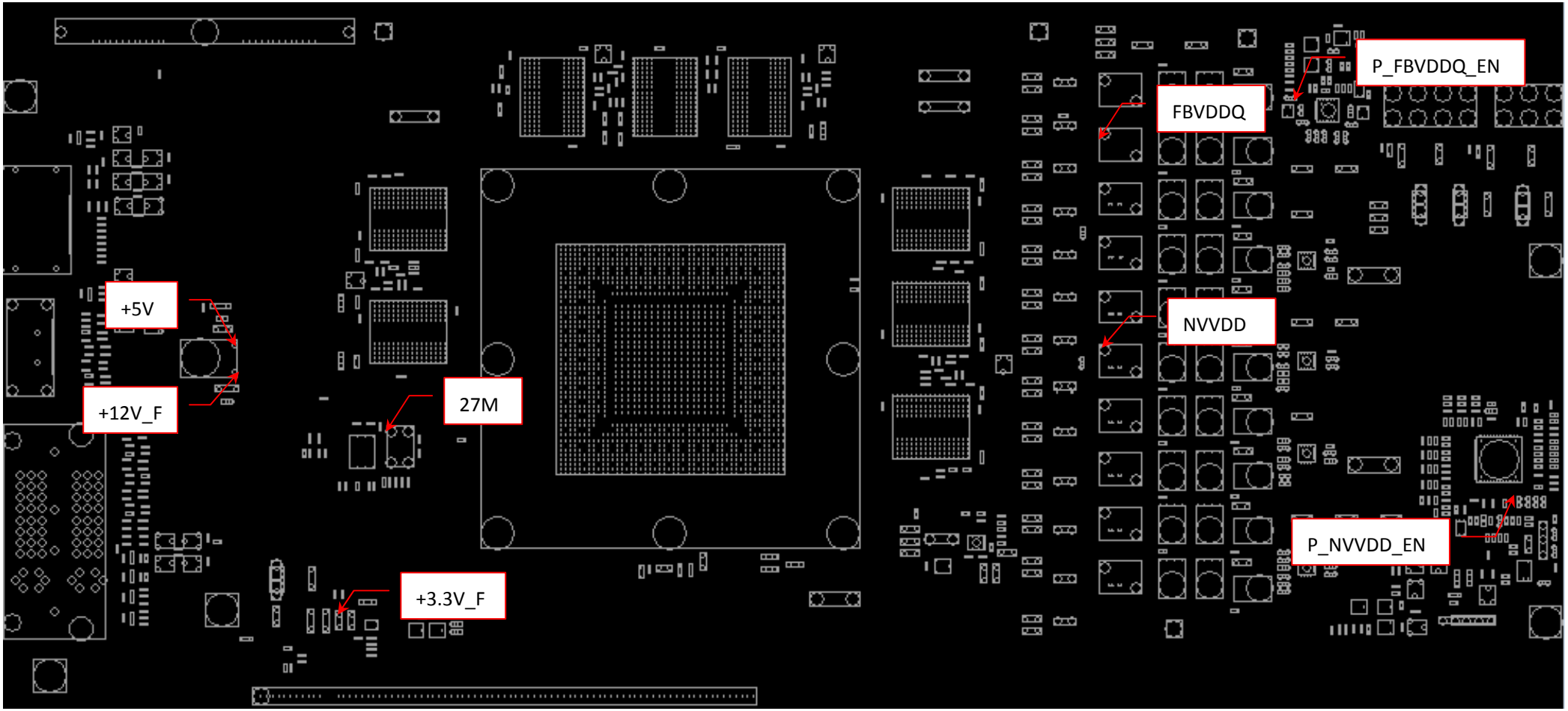
Block Diagram



Power Flow


P_NVVDD_PGOOD_10
8.138A+2.92A
=11.058A
PHASE1~5
8.138A
CHL8318(P/N:06095-00520000
,ASP1212-N80NT
only 8phase used)
+CHL8526(IR3598:dual driver)
8 phase
(PH7030AL*1+PH5030AL*2)
NVVDD
1.15V/125A
Eff 80%
NVVDD_EN
12V_PEX8_F2
(150W,12.5A max)
5.615A
PHASE6~8
5.615A
12V_PEX6_F1
(75W,6.25A max)
12V_F
(66W,5.5A max)
2.92A+0.2A
=3.12A
PHASE2
2.92A
PHASE1
2.92A
2 phase
(PH7030AL*1+PH5030AL*2)
FBVDDQ
1.6V,35A(include PEXVDD and PEXVDD1)
Eff 80%
FBVDDQ_EN
RT9018B
PEXVDD
1.004V(When FBVVDDQ 1.6V,預留組態到1.2V)/2.7A
RT9018B
PEXVDD1
1.004V(When FBVVDDQ 1.6V,預留組態到1.2V)/2.7A
0.2A
5V(DDC_5V)
0.2A
3V3_F
(10W,3.03A max)
1.037A
RT8015B
RESERVE
1 phase
PEXVDD
1.014V/2.7A
Eff 80%
P_NVVDD_PGOOD_10


+5V
+12V_F
27M
+3.3V_F
FBVDDQ
P_FBVDDQ_EN
NVVDD
P_NVVDD_EN