

ENGTX275 Repair Guide

Apr/10/2008

Aray_Chen

CSC-GRMA

Vendor Kit	C897P
ASUS model name	ENGTX275/HTDI/896MD3/A
PCB rev.	ATX R1.01
p/n	80-C1CMW0-M0A01
Chip	G200-105-B3
GPU p/n	02G190016312
Memory	16M*32 -0.8 GDDR3*14pcs (896MB---448 bit)GPU(448bit)
Memory p/n	03G15134J113/SAMSUNG
CoreClock	633MHZ
ShaderClock	1404
MemoryClock	2268MHZ

Page1. Basic Information about the Model

Page2. Power Sequence and Power Flow

Page3. Power Point Map (Top Side)

Page4. Power Point Map (Bottom Side)

Power sequence

Power Sequence!

3V3
12V
12V_PEX6_F1
12V_PEX6_F2

NVVD

FBVDDQ

Other power doesn't care power on sequence, but when THERM_SHUTDOWN* is triggered, all other power must be pulled low at the same time.



Switch ON/OFF

Control signal



Switching

Power Rail



Linear

Power flow

12V_PEX6_F1

12V_PEX6_F2

12V

3V3

UP6206

4 phase

(EMB12N03*2+EMB06N03*2)

NVVD 1.2V/100A

up6101

(EMB12N03*2+EMB06N03*2)

FBVDDQ

2.1V/25A

MPGC01-C123

RJK0355

1V15

6A

LM7805BJ3

5V

0.2A

UP7706

2V5

1.7A

UP7706

PEX_PLLVDD_OP 1.146V

0.12A



