# EN9500GT MAGIC Repair Guide

| Vendor Kit | C729MP |
|---|---|
| ASUS model name | EN9500GT MAGIC/DI/512M |
| p/n | 80-C1CLFA-J0A01 |
| Chip | G96-302-B1 |
| GPU p/n | 02G190015516 |
| Memory | 16M*16 -2.5 GDDR2*16pcs (512MB---128 bit)GPU(128bit) |
| Memory p/n | 03G151236117/SAMSUNG |
| CoreClock | 550MHZ |
| ShaderClock | 1375 |
| MemoryClock | 800MHZ |

Page1. Basic Information about the Model

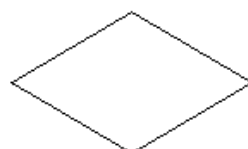Page2. Power Sequence and Power Flow

Page3. Power Point Map (Top Side)

**Power sequence**
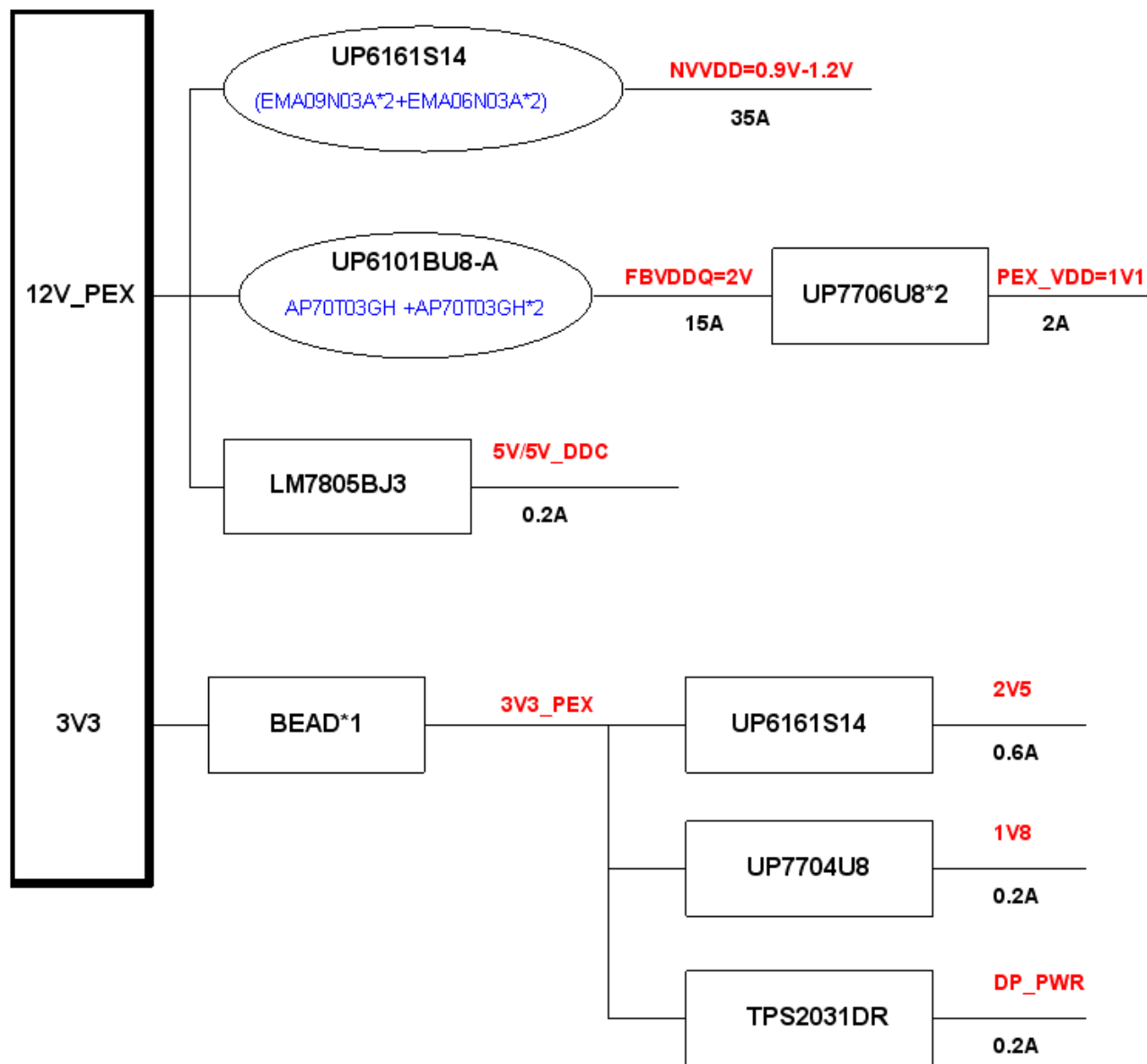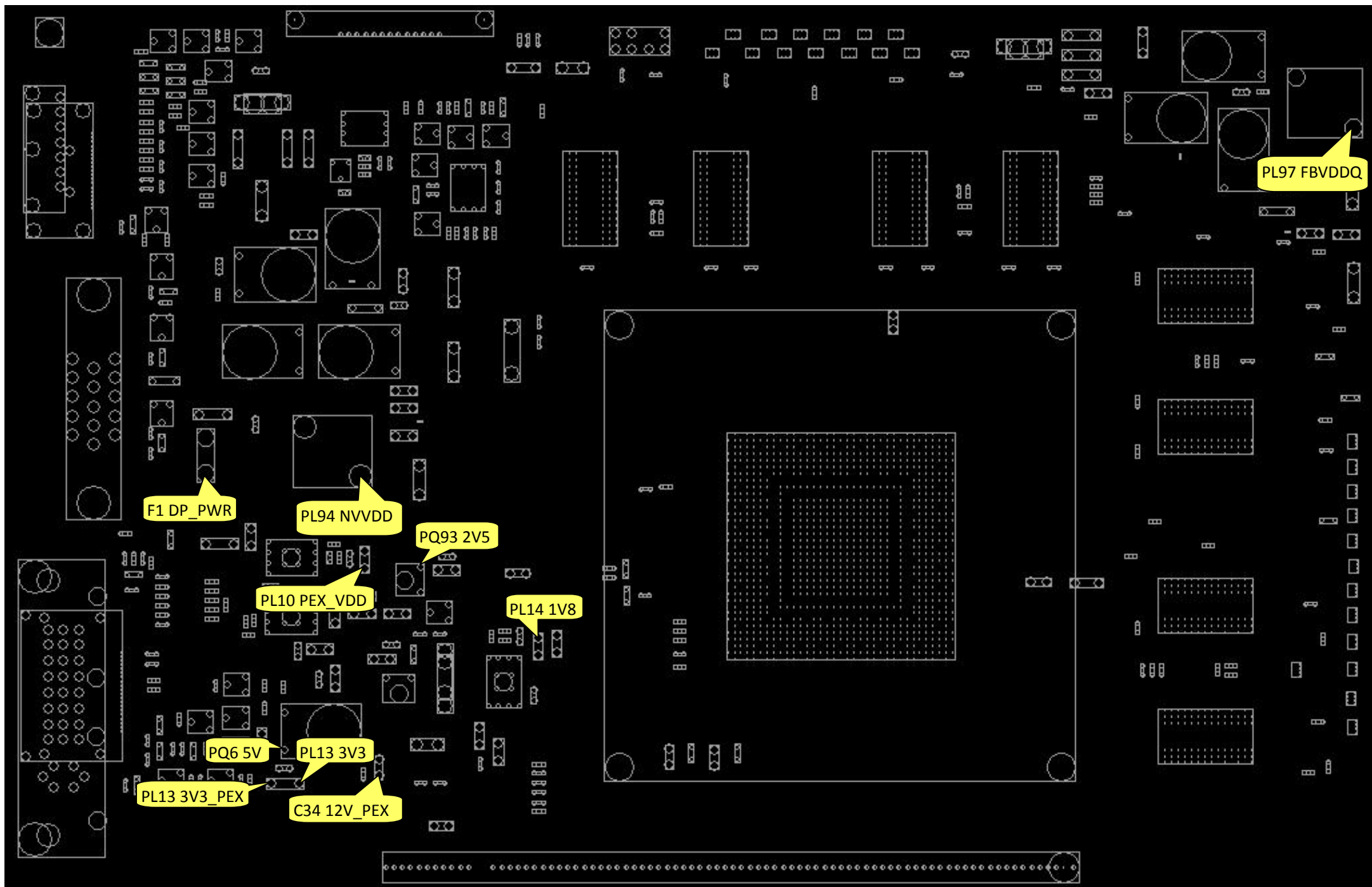
12V_BUS / 3V3_BUS

5V / 5V_DDC

NVVDD

1V8

PEX_VDD

2V5

FBVDDQ

T<20ms
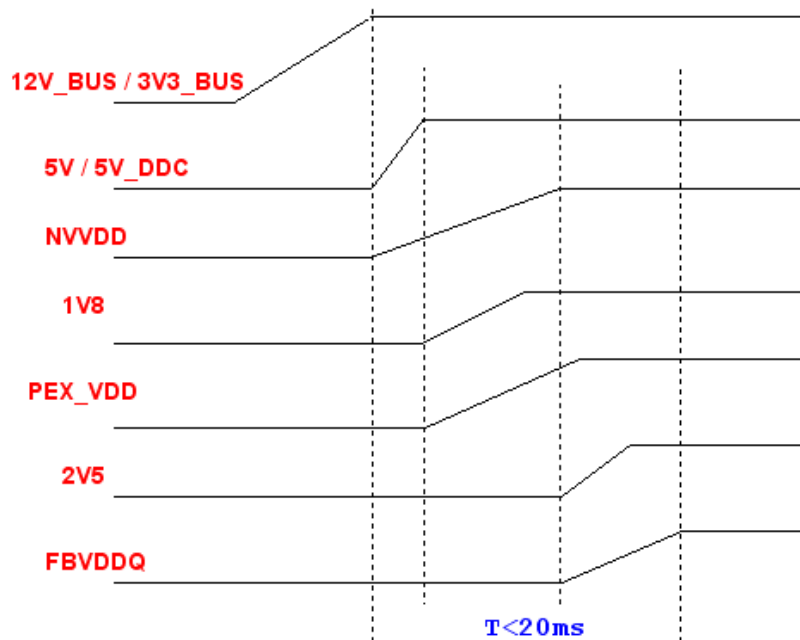
Switching    Linear    Switch

**Power flow**

12V_PEX

UP6161S14
(EMA09N03A*2+EMA06N03A*2)    NVVDD=0.9V-1.2V
35A

UP6101BU8-A
AP70T03GH +AP70T03GH*2    FBVDDQ=2V
15A    UP7706U8*2    PEX_VDD=1V1
2A

LM7805BJ3    5V/5V_DDC
0.2A

3V3    BEAD*1    3V3_PEX    UP6161S14    2V5
0.6A

UP7704U8    1V8
0.2A

TPS2031DR    DP_PWR
0.2A

PL97 FBVDDQ

F1 DP_PWR

PL94 NVVDD

PQ93 2V5

PL10 PEX_VDD

PL14 1V8

PQ6 5V

PL13 3V3

PL13 3V3_PEX

C34 12V_PEX