HD7850(C401ACPI)Repair Guide
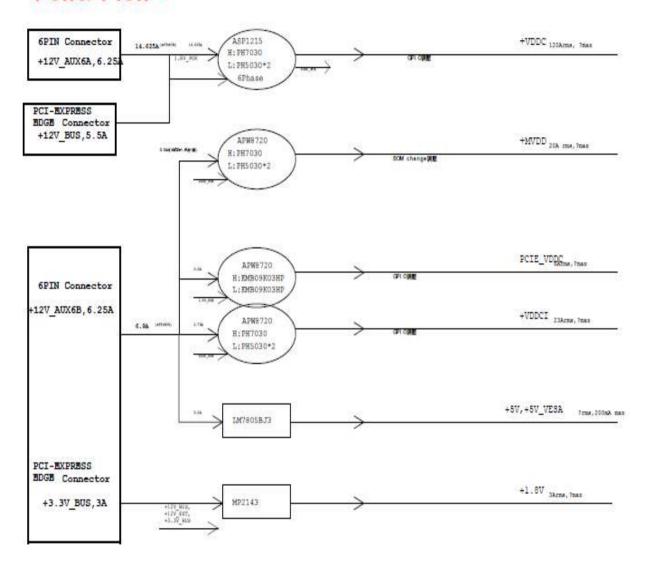
ASUS Model name	HD7850-DC2O-2GD5-2DIS
ASUS P/N	60YV02T0-VG0A02
Graphics Engine	ATI Radeon HD 7850
GPU P/N	02002-00100100
Bus Standard	PCI Express 3.0
Video Memory	GDDR5 2GB
Engine Clock	1000 MHz
Memory Clock	5 GHz
Memory Interface	256-bit

Power Flow :

6PIN Connector +12V_AUX6A,6.25A	14.625A (arbdoid) 14.625A 1.8V_PCX	ASP1215 H:PH7030 L:PH5030*2 6Phase

→ +VDDC 120Arms, 7max

GPI Olinic

PCI-EXPRESS EDGE Connector +12V_BUS,5.5A	1.8V/PCX AGND	APW8720 H:PH7030 L:PH5030*2

→ +MVDD 20A rms, 7max

SOM change相同

6.3A	APW8720 H:EMB09K03HP L:EMB09K03HP

→ PCIE_VDDC 6Arms, 7max

GPI Olinic

6PIN Connector +12V_AUX6B,6.25A	6.9A (arbdoid) 4.7A 1.8V_PCX	APW8720 H:PH7030 L:PH5030*2

→ +VDDCI 23Arms, 7max

GPI Olinic

6.3A	LM7805BJ3

→ +5V, +5V_VESA 7rms, 200mA max

PCI-EXPRESS EDGE Connector +3.3V_BUS,3A	+12V_AUX, +12V_EXT, +3.3V_BUS	MP2143

→ +1.8V 3Arms, 7max

Power Sequence :

+12V_EXT, +12V_BUS, +3.3V_BUS	
+1.8V, +5V	
+VDDC, PCIE_VDDC	
+MVDD, +VDDCI	

< 20 ms

+5V

+12V_BUS

+MVDD

+VDDC

+0.935V

+1.8V

3.3V_BUS