

HD7970 (C386X3) Repair Guide

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CSC-GRMA

ASUS Model name	MATRIX-HD7970-3GD5
ASUS P/N	60YV02P1-VG0A02
Graphics Engine	AMD Redeon HD7970
GPU P/N	02002-00060300
Bus Standard	PCI Express 3.0
Video Memory	GDDR5 3GB
Engine Clock	1050MHz
Memory Clock	6000MHz
Memory Interface	384-bit

Page1. Basic Information about the Model

Page2. Block Diagram

Page3. Power Sequence and Power Flow

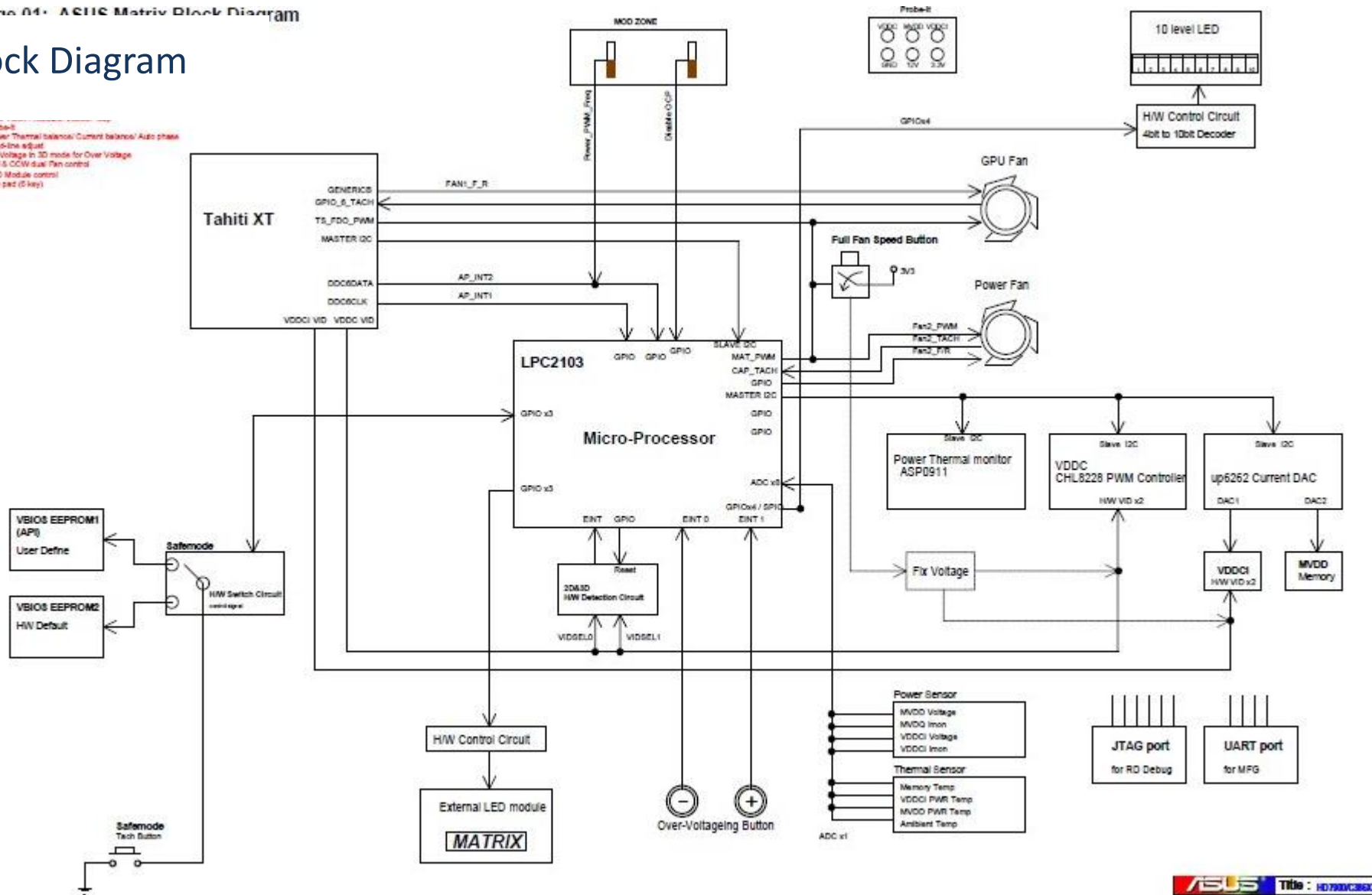
Page4. Power Sequence and Power Flow

Page5. Power Sequence and Power Flow

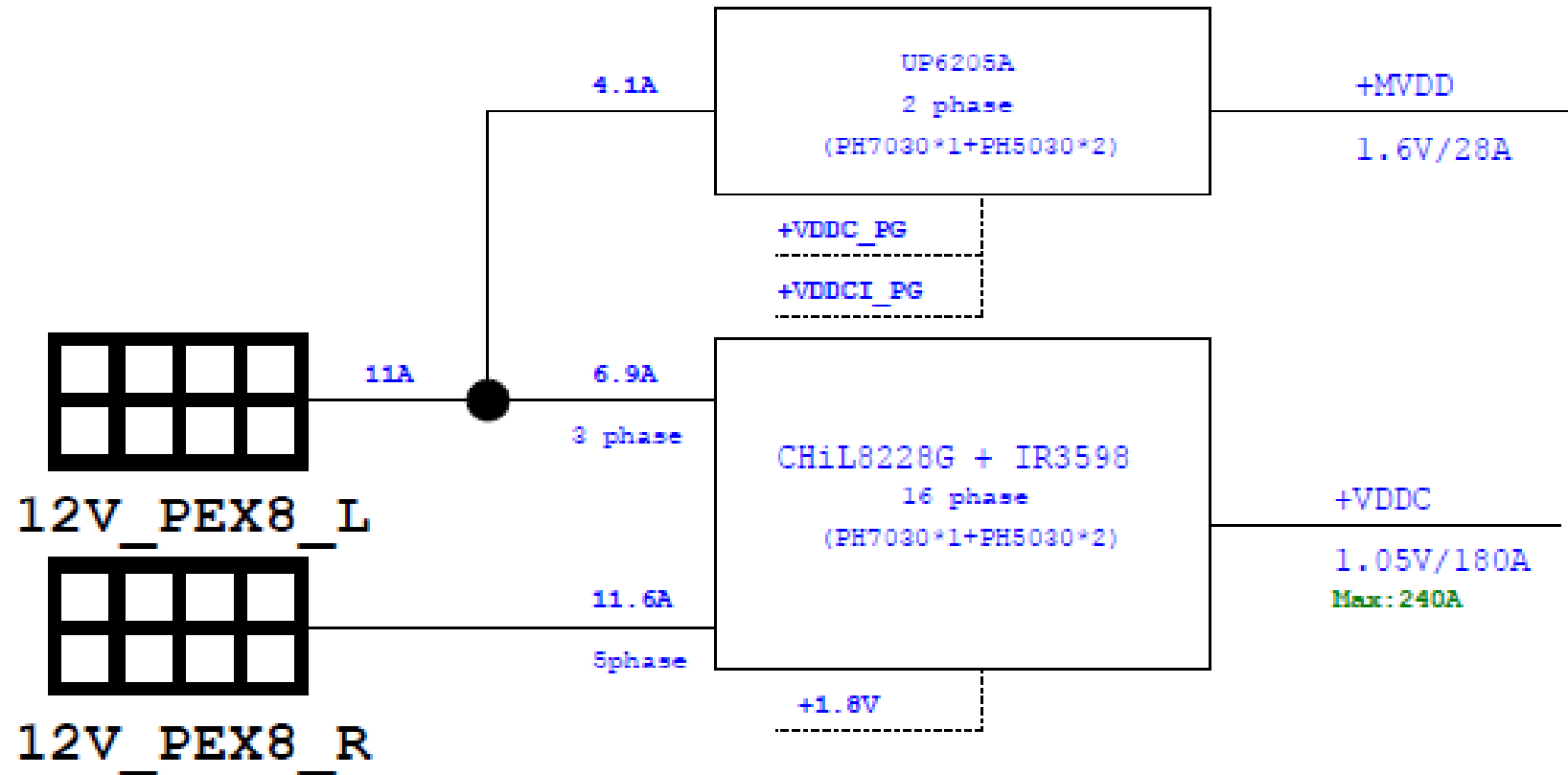
Page6. Important Signal map (Top side)

Block Diagram

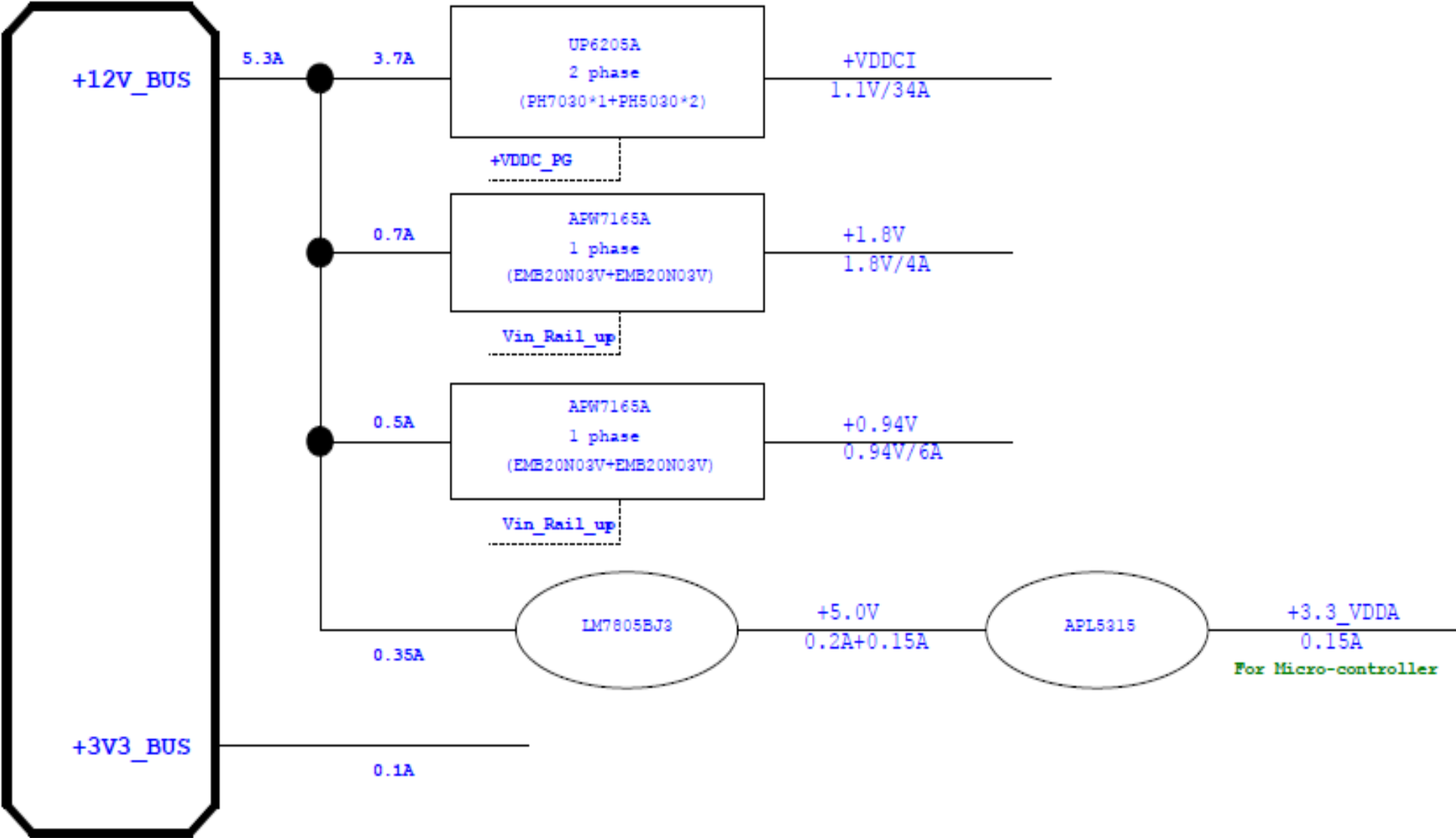
10. Probe#1
11. Power Thermal balance/ Current balance/ Auto phase
12. Load-line adjust
13. Pp Voltage in 3D mode for Over Voltage
14. C/W & C/W dual Fan control
15. LCD Module control
16. Key pad (S key)



Power Flow



Power Flow



Power sequence

