

GTX1070TI (CG411P2) Repair Guide

Jonas 12/1

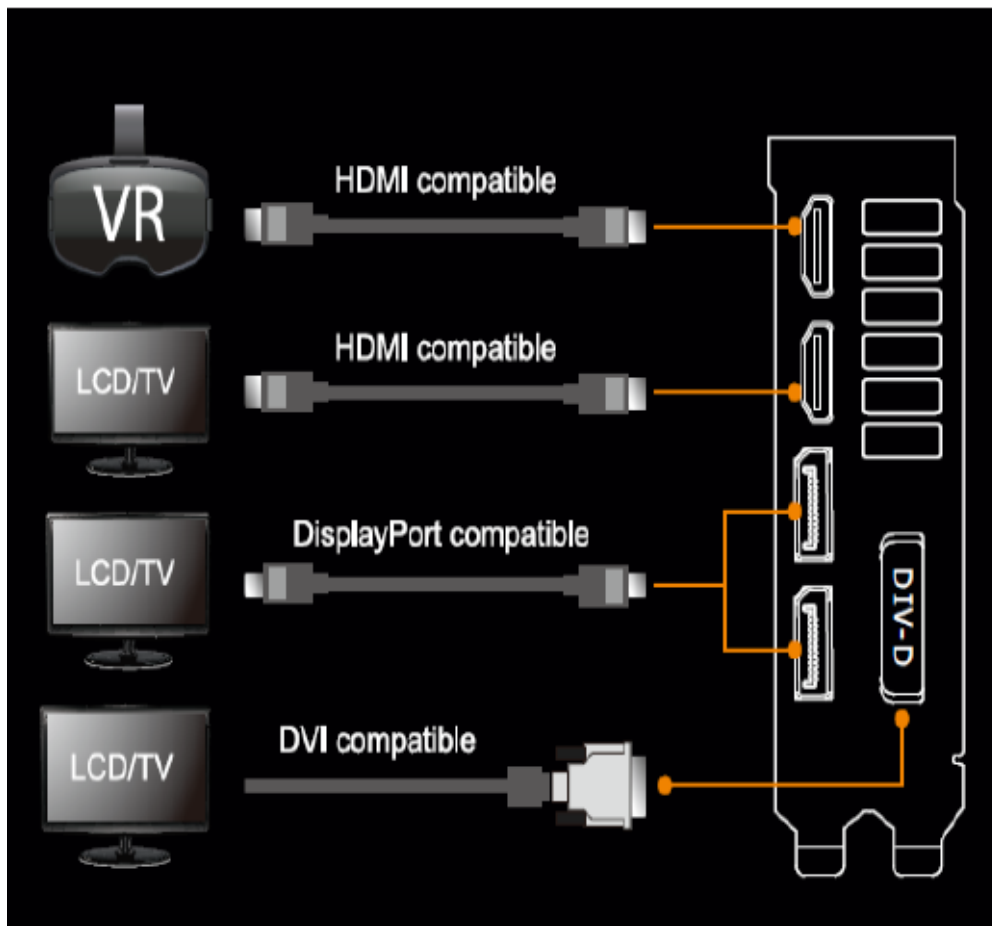
Model List

Model name	PN	GPU
CERBERUS-GTX1070TI-A8G	YV0BJ1	CG411P2
CERBERUS-GTX1070TI-8G	YV0BJ2	CG411P2

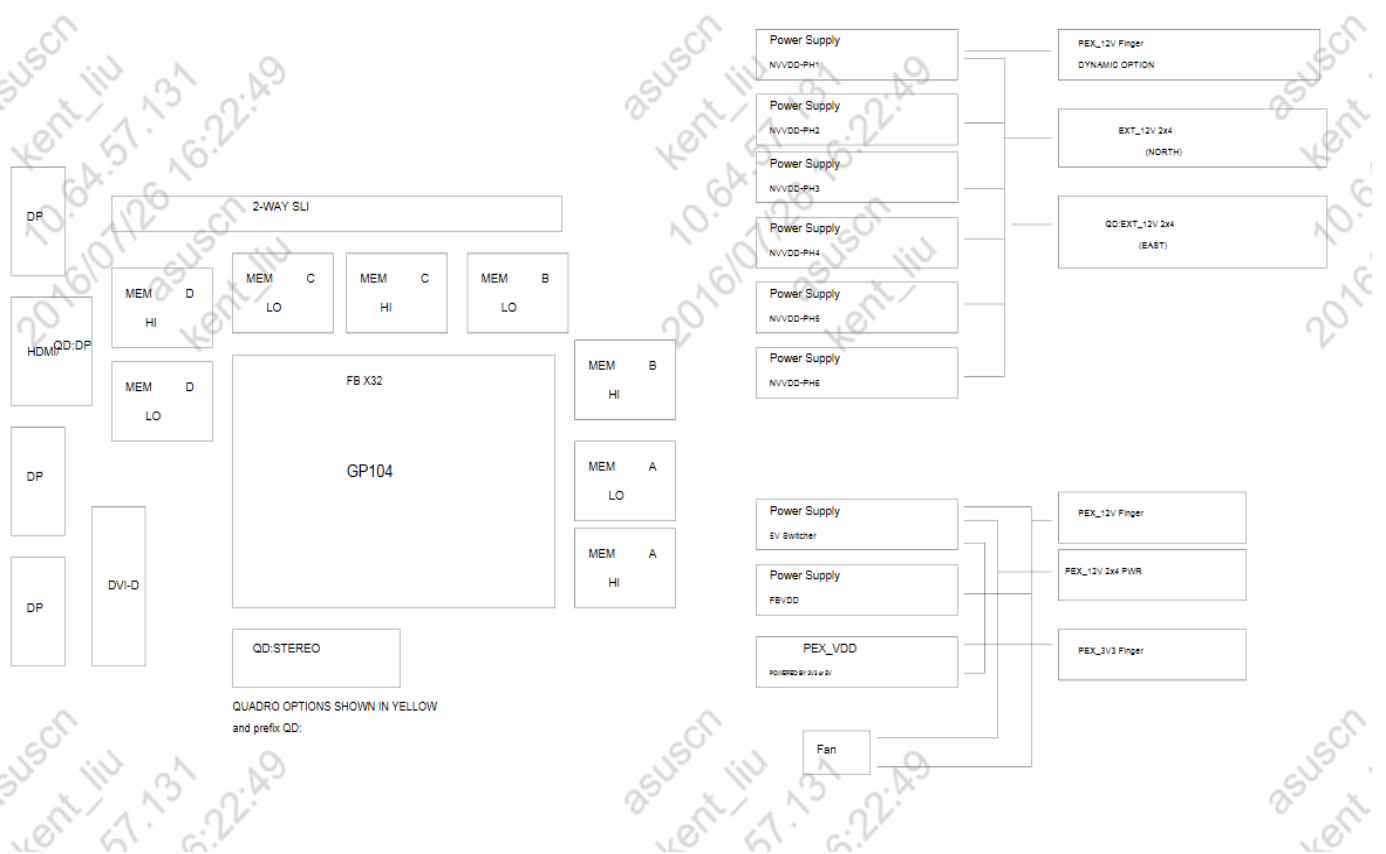
STANDARD APPEARANCE

CERBERUS-GTX1070TI-A8G & CERBERUS-GTX1070TI-8G



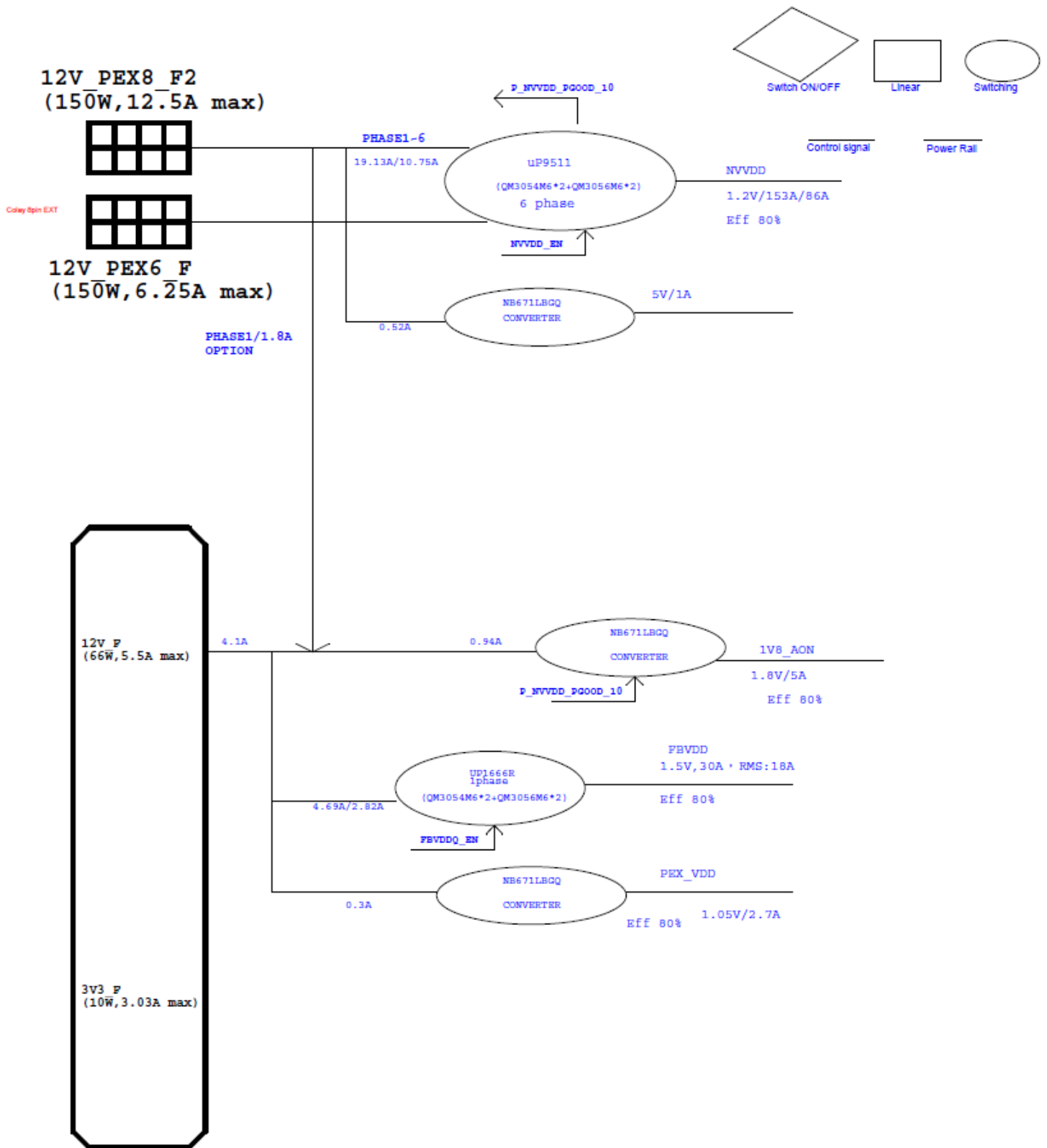


BLOCK DIAGRAM

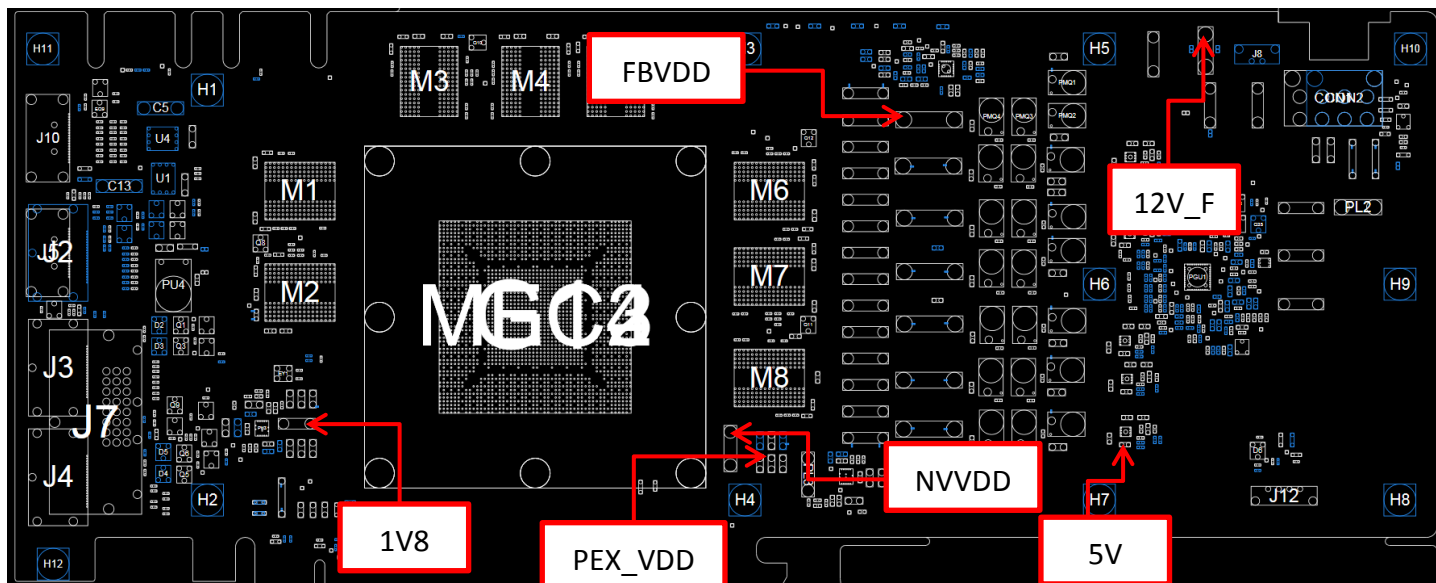


POWER FLOW

I (max) < 15A,	Iocp = 3 * I (max)
15A < I (max) < 50A,	Iocp = 2.5 * I (max)
50A < I (max) < 80A,	Iocp = 2 * I (max)
80A < I (max),	Iocp = 1.5 * I (max)

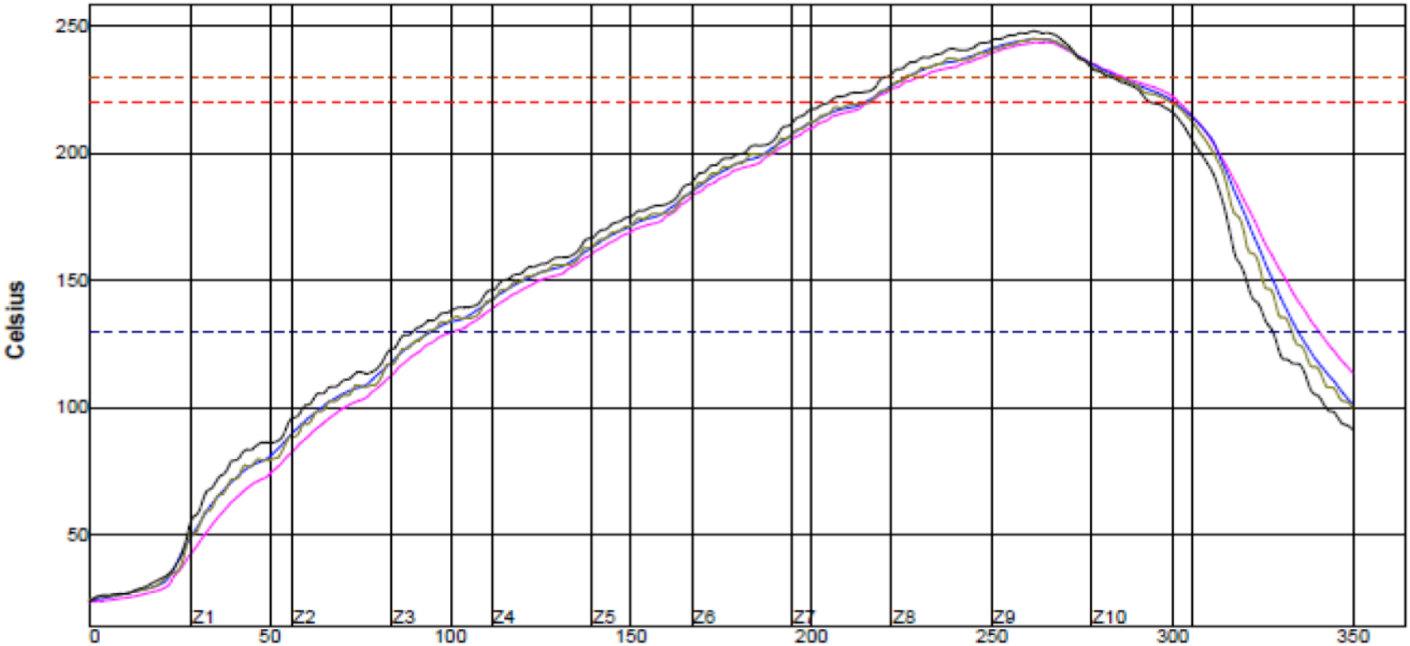


VOLTAGE MEASURE POINT



BGA REFLOW PROFILE

Setpoints (Celsius)										
Zone	1	2	3	4	5	6	7	8	9	10
Top	100	125	150	170	190	215	235	250	255	200
Bottom	100	125	150	170	190	215	235	250	255	200
Conveyor Speed (inch/min): 26.00										



PWI= 86%	Max Rising Slope		Max Falling Slope		Preheat 130-220C		Reflow Time /220C		Peak Temp		Tot Time /230C	
U4 CEN - 1	1.80	-28%	-2.88	18%	115.35	71%	85.97	84%	243.84	38%	67.38	43%
M2 - 1	2.07	-17%	-3.28	-13%	120.00	78%	85.84	83%	245.08	51%	68.78	47%
J7 - 2	2.15	-14%	-3.41	-21%	121.51	80%	84.73	78%	245.34	53%	68.12	46%
L7 - 2	2.35	-8%	-3.75	-38%	115.18	71%	88.37	85%	248.28	83%	69.38	58%
Delta	0.55		1.08		6.35		4.85		4.44		8.00	