

GTX1060 (CG411A2) Repair Guide

KENT 12/9

1. STANDARD APPEARANCE

DUAL-GTX1060-3G



DUAL-GTX1060-6G



DUAL-GTX1060-O3G

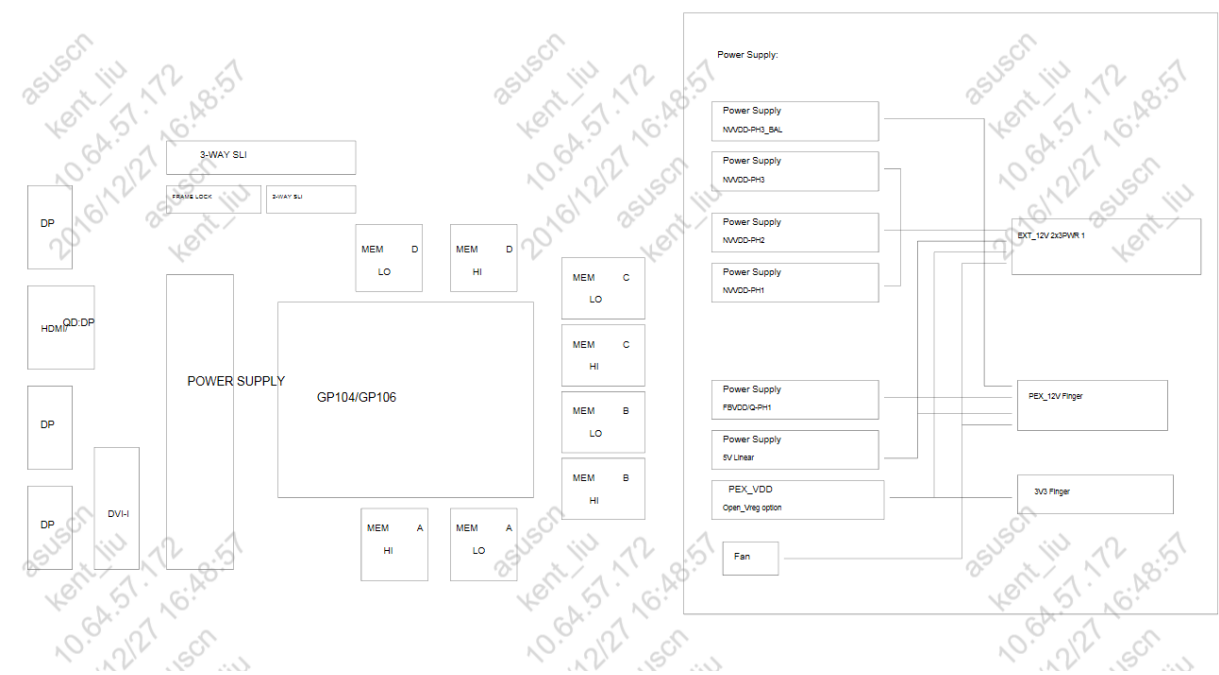




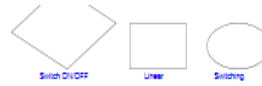
DUAL-GTX1060-O6G



BLOCK DIAGRAM



POWER FLOW

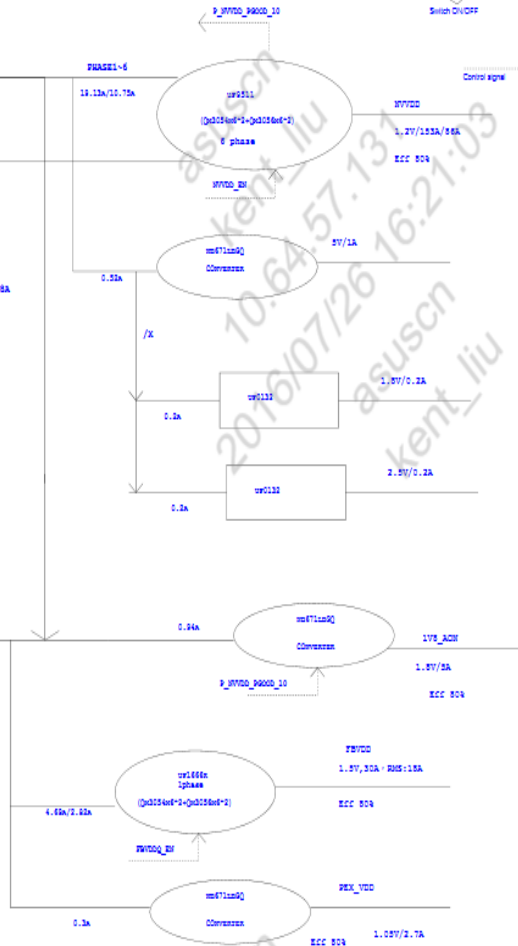


$I(\max) < 15A$, $I_{ocp} = 3 * I(\max)$
 $15A < I(\max) < 50A$, $I_{ocp} = 2.5 * I(\max)$
 $50A < I(\max) < 80A$, $I_{ocp} = 2 * I(\max)$
 $80A < I(\max)$, $I_{ocp} = 1.5 * I(\max)$

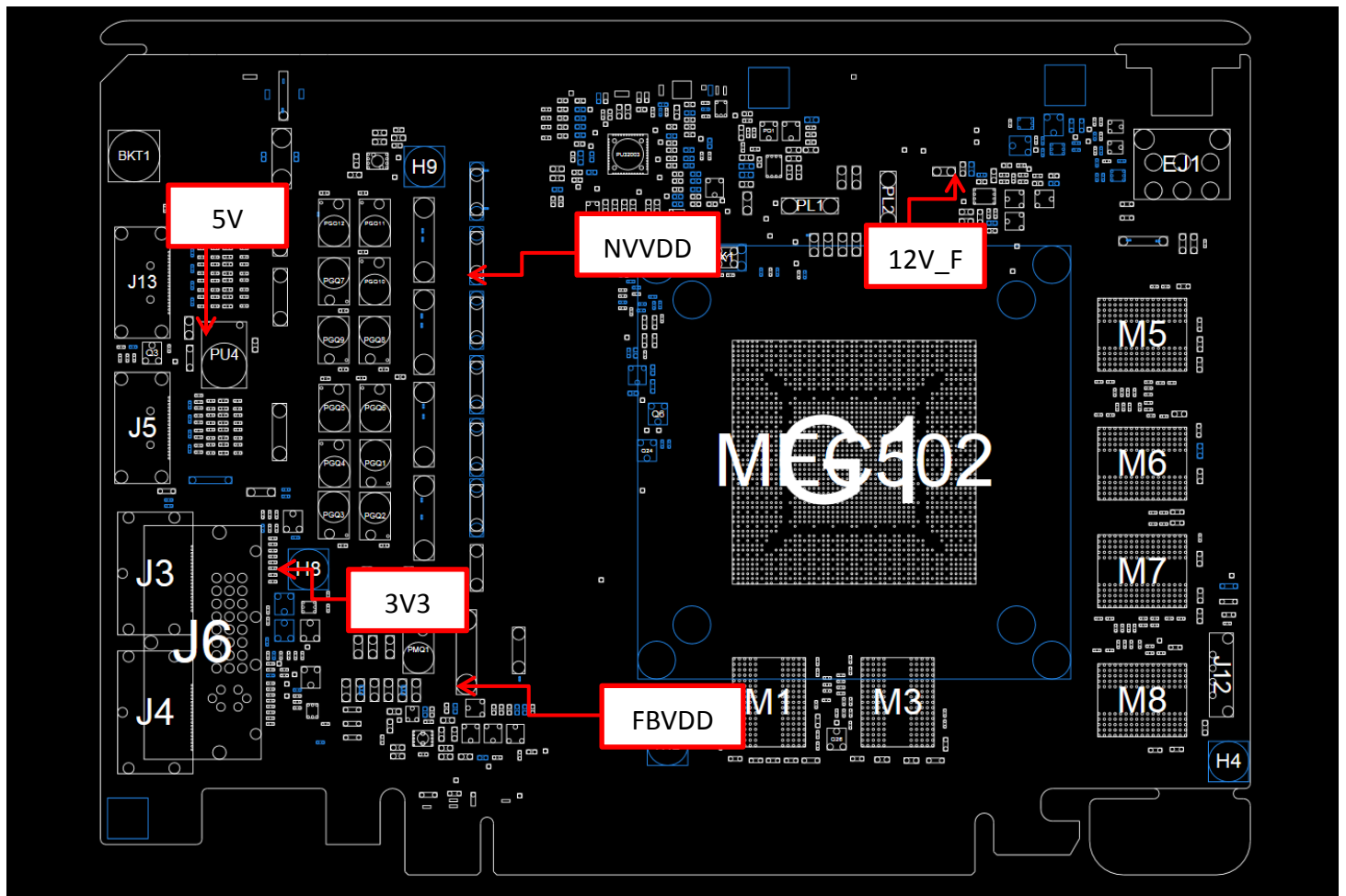
12V PEX8 F2
(150W, 12.5A max)



12V PEX6 F
(150W, 6.25A max)

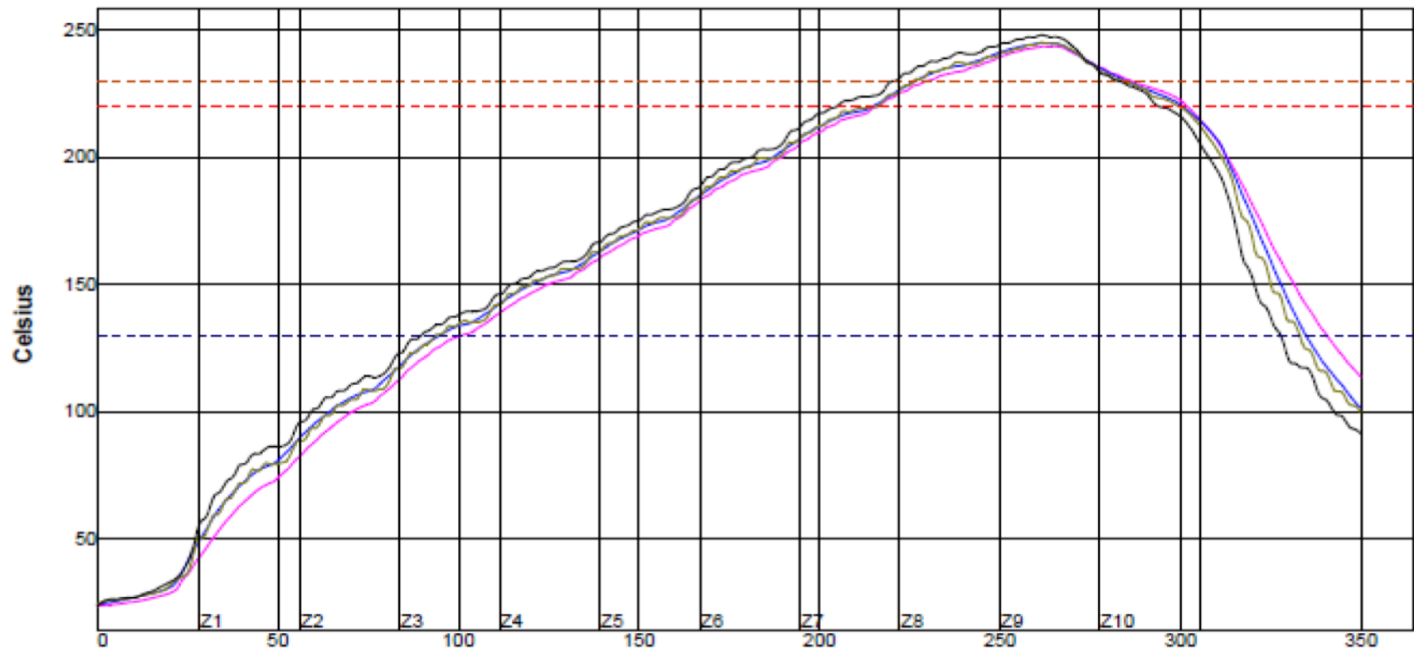


VOLTAGE MEASURE POINT



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	