

RX570 (C940PI) Repair Guide

Kent 04/27

STANDARD APPEARANCE

ROG-STRIX-RX570-O4G-GAMING



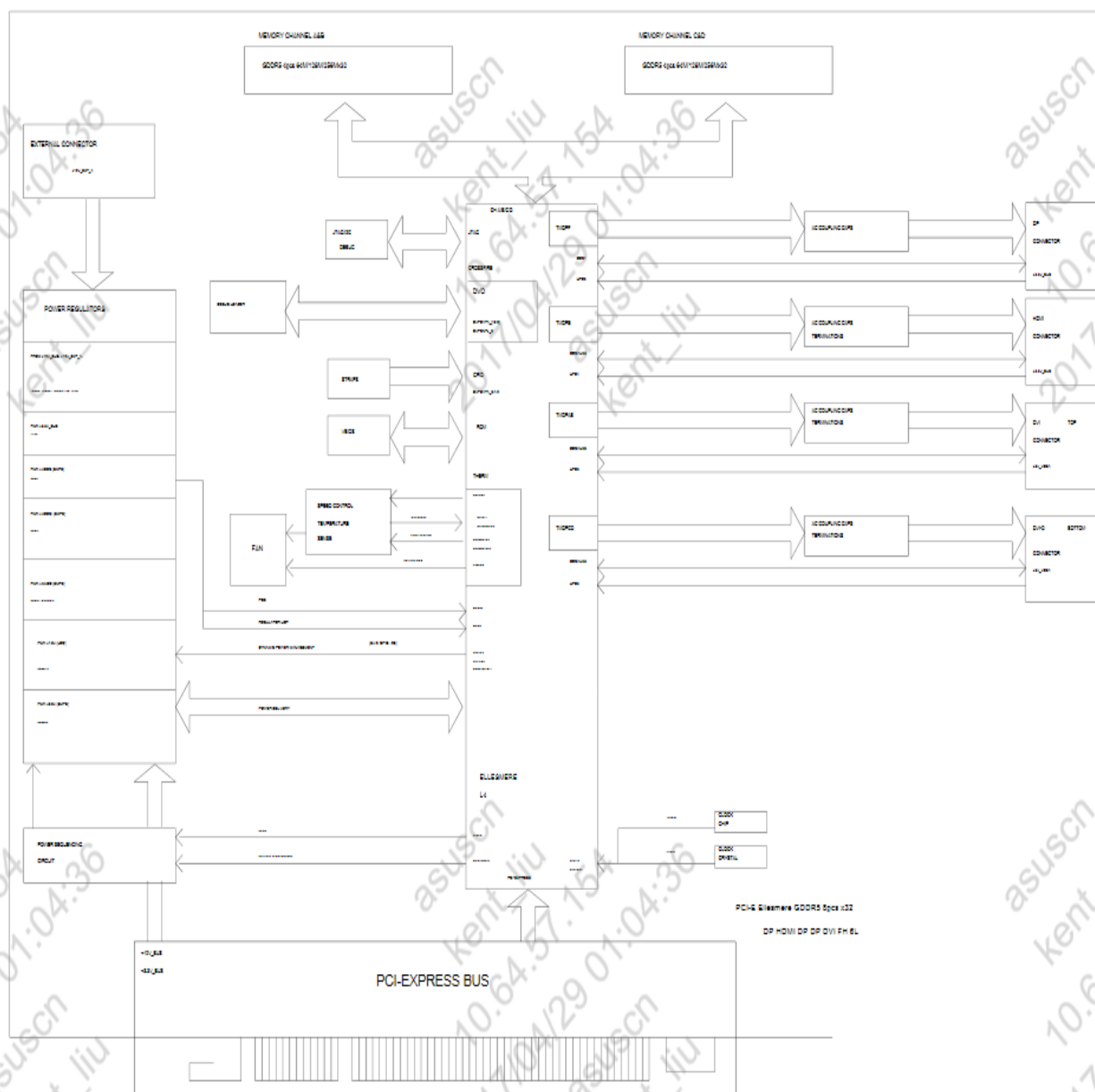


ROG-STRIX-RX570-4G-GAMING





BLOCK DIAGRAM



150W

11.25A

11.25A (3phase)

2.25A (1phase)

1.6A

ASP1300-ASONT

+VDDC
(6 phase)
(VDDC24*1)-(VDDC24*2)

+VDDC24*1
+VDDC24*2

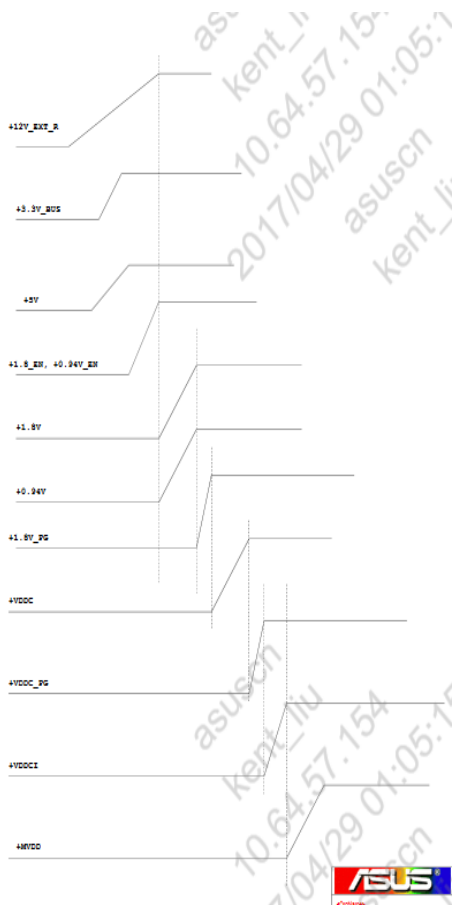
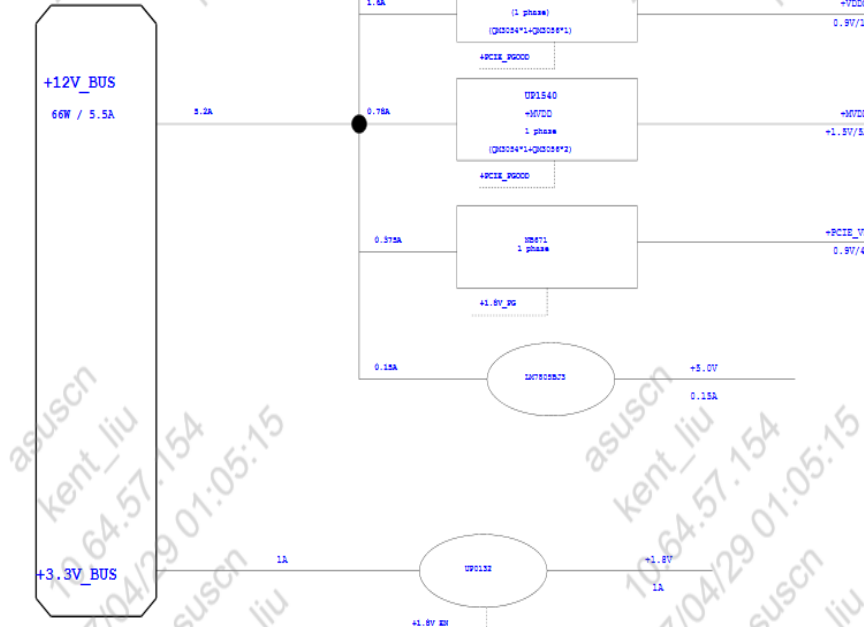
UP1540

+VDDCI
(1 phase)

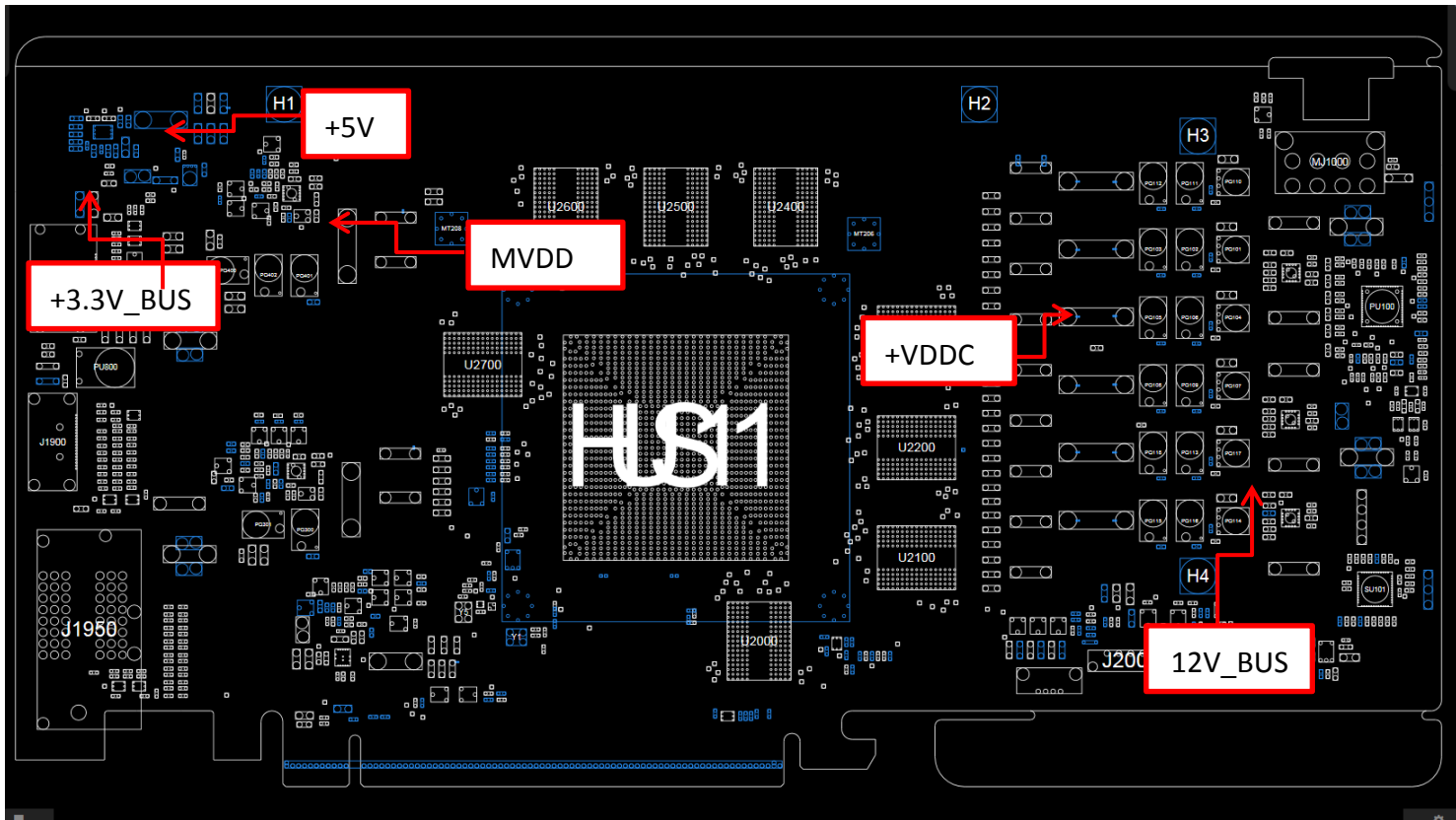
+VDDCI
(1 phase)

+12V_EXT8

150W / 12.5A

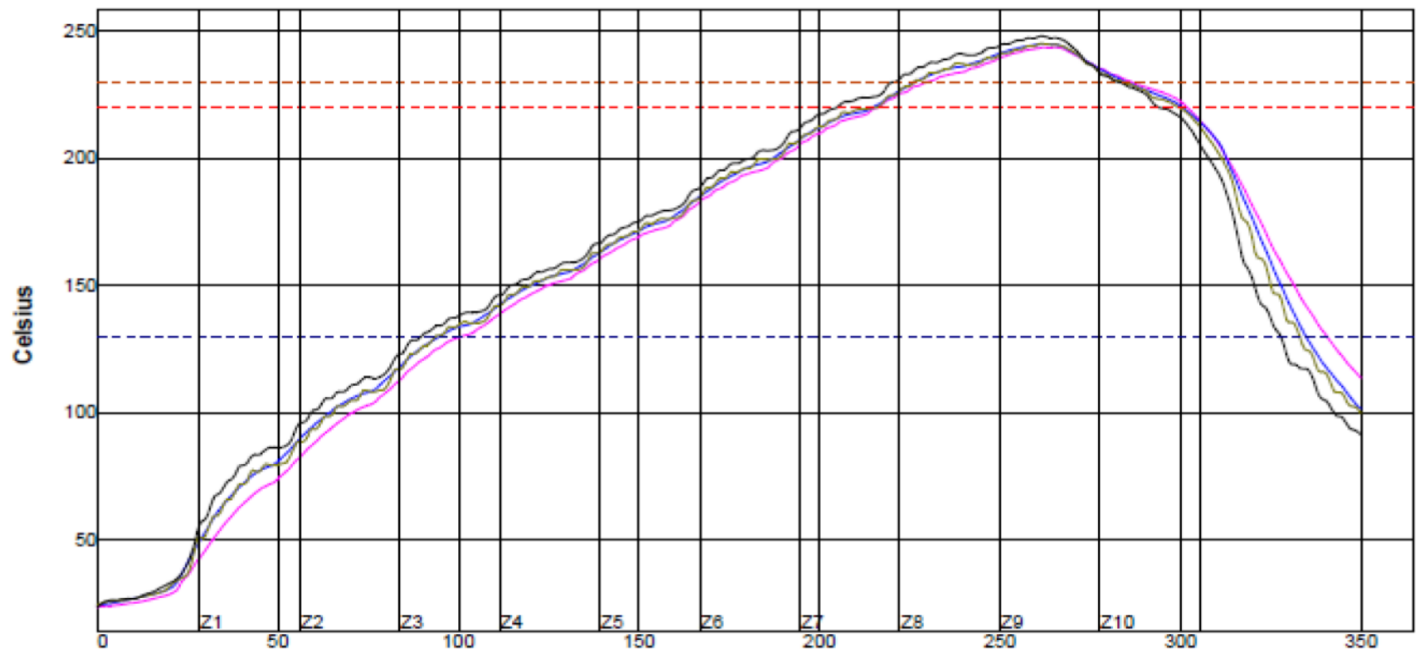


VOLTAGE MEASURE POINT



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	35%	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	