

RX580 (D009PI2) Repair Guide

Kent 04/27

Model List

Model name	60PN	GPU	Date
DUAL-RX580-4G	YV0AQ0	D009PI2	2017/4/29
DUAL-RX580-O4G	YV0AQ1	D009PI2	2017/4/29
DUAL-RX580-8G	YV0AQ2	D009PI2	2017/4/29
DUAL-RX580-O8G	YV0AQ3	D009PI2	2017/4/29
MINING-RX580-8G	YV0AQ5	D009PI2	2018/2/27

STANDARD APPEARANCE

DUAL-RX580-4G & DUAL-RX580-4G & DUAL-RX580-8G &

DUAL-RX580-O8G & MINING-RX580-8G

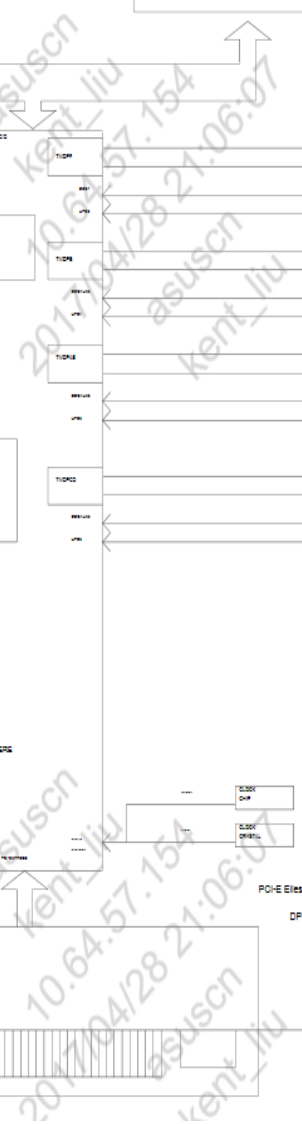




The diagram illustrates the power supply architecture of the ATX-1000. It features three main functional blocks arranged vertically:

- EXTERNAL CONNECTOR:** The top block, which interfaces with the external power source. It has a single output line connecting to the power regulators.
- POWER REGULATORS:** A central block containing eight individual regulator modules. Each module is labeled with a specific output voltage and current rating:
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 - 5V 1.5A
 Arrows indicate that these regulators receive power from the external connector and provide regulated power to the power electronic circuit.
- POWER ELECTRONIC CIRCUIT:** The bottom block, which receives power from the regulators and provides the final output to the system. It has a single output line connecting to the power regulators.

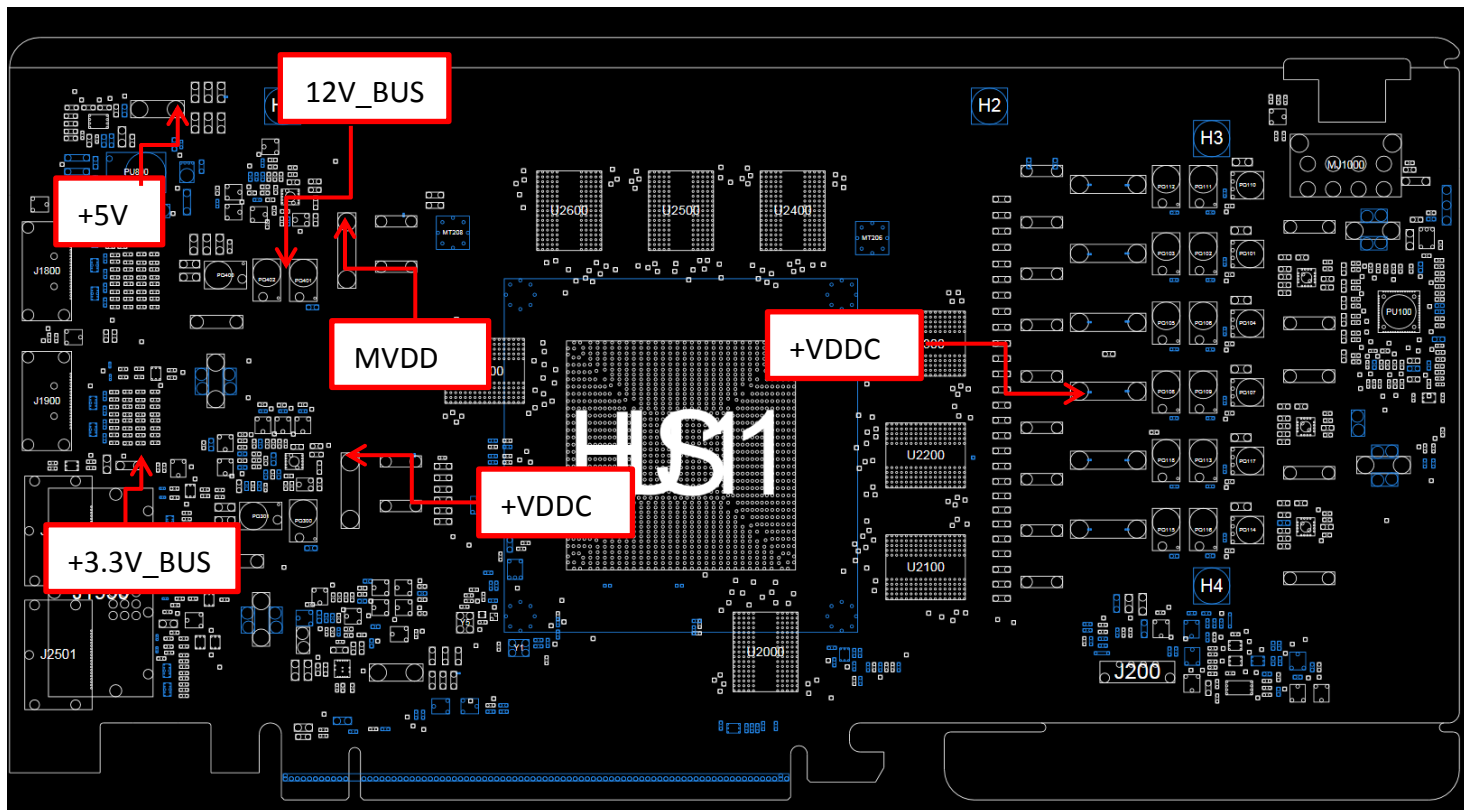
Control lines (indicated by thin arrows) are shown connecting the external connector, the power regulators, and the power electronic circuit to the system's control logic.



WORLD BANK | WORLD MAP

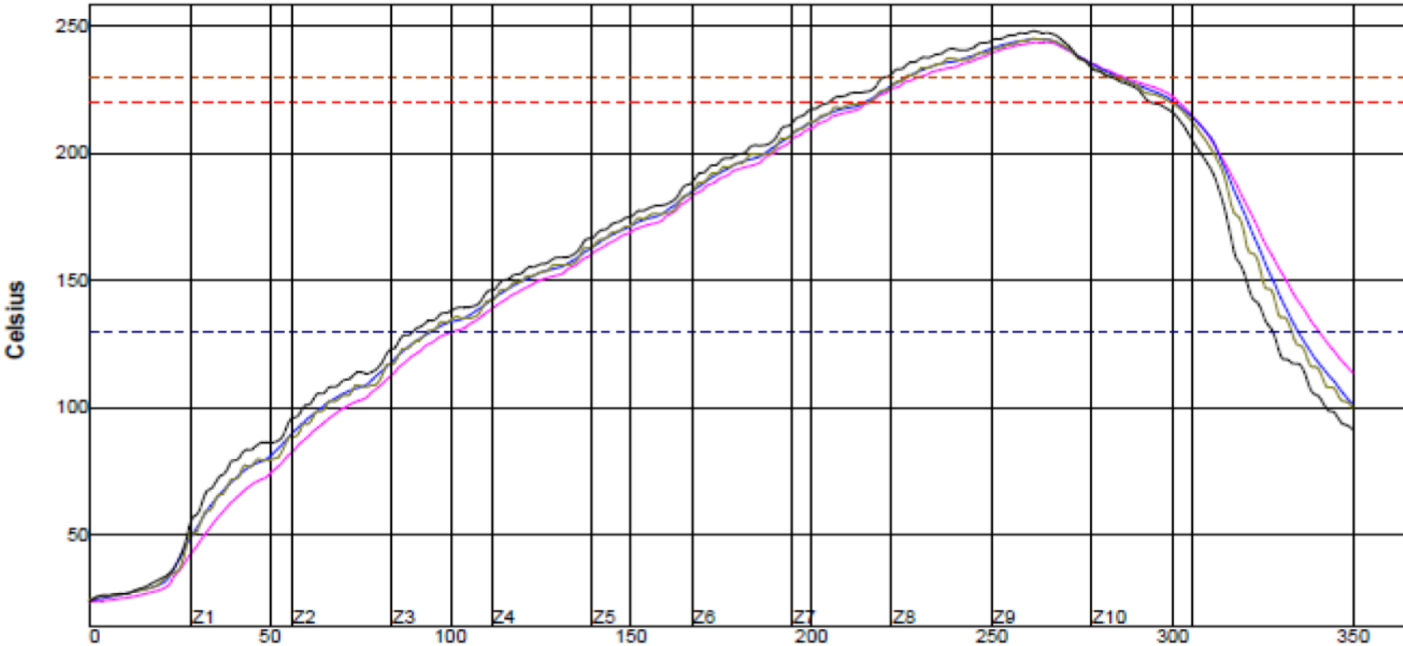


VOLTAGE MEASURE POINT



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	