

Model List

Model name	60PN	GPU	Date
PH-GTX1650-O4GD6	YV0EH2	CG177PI	2020/5/8

STANDARD APPEARANCE

PH-GTX1650-O4GD6



The screenshot displays a Root Diagram tool interface. The main workspace shows a hierarchical tree structure of a system. The tree is divided into two main sections: 'VIEW' and 'POWER'. The 'VIEW' section includes components like DP, HDMI, DVI-D, and TU117. The 'POWER' section includes components like Power Supply, Fan, PEX_VDD, and PEX_VDD_FPGA. The diagram shows the relationships between these components, with lines indicating connections and labels indicating the type of connection. The interface includes a top menu bar with 'File', 'Edit', 'View', and 'Help' options. The bottom status bar shows the current file name as 'Root Diagram' and the current view as 'Tree'.

Power flow

The diagram illustrates the power flow from three input sources to various output rails. The inputs are:

- 12V_PEX8_F2 (150W 12.5A max)
- 12V_PEX6_8_F1 (75W 6.25A max)
- 12V_F (66W 5.5A max)

The power is distributed through several components and regulators:

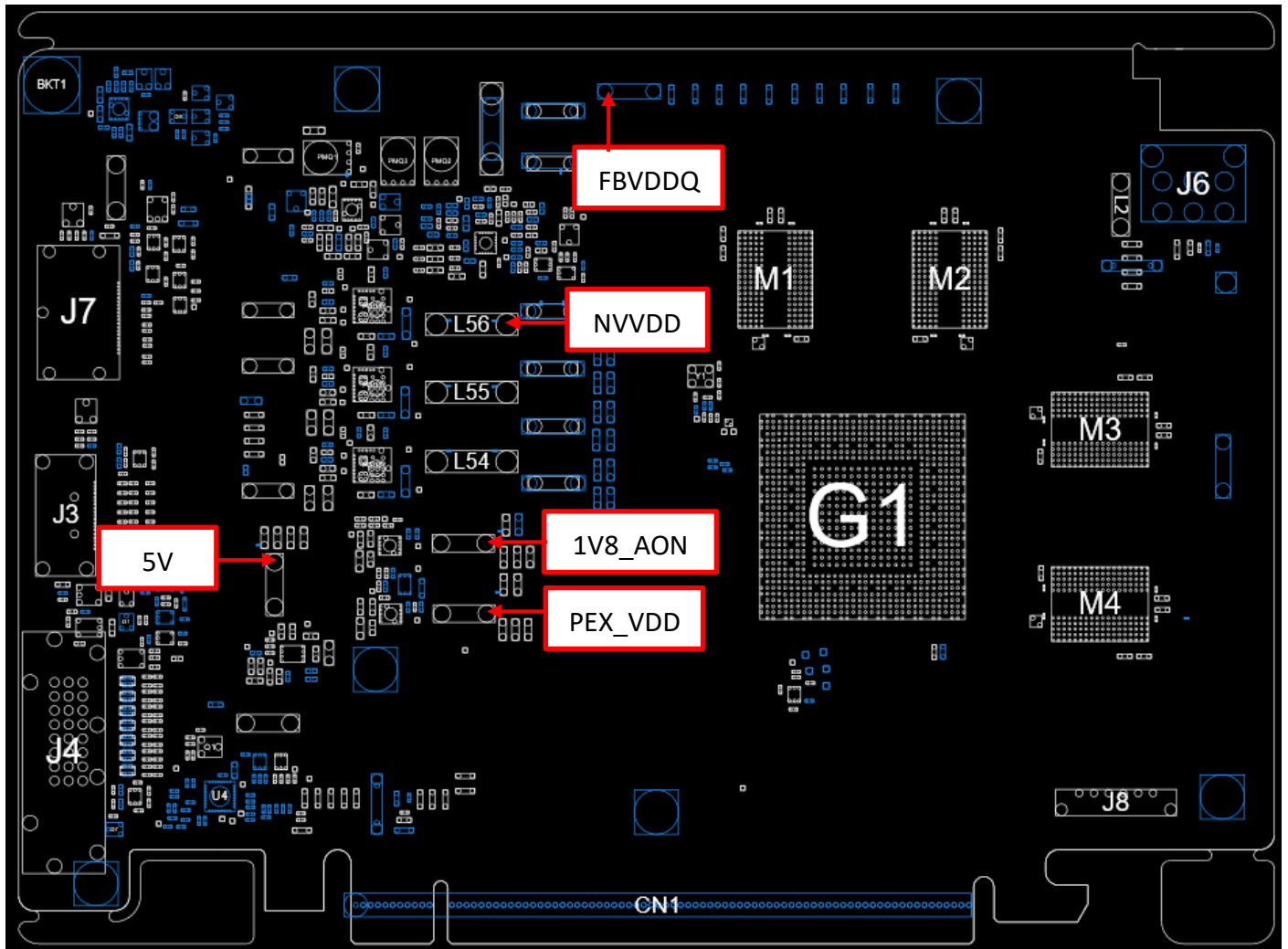
- OVR-S UP7561** (Over-Sample) receives power from 12V_PEX8_F2 and 12V_PEX6_8_F1.
- MOS CSD95481** (MOSFET) receives power from OVR-S UP7561 and provides **NVVD/1V**.
- MP8858 USB-C** (USB-C controller) receives power from 12V_PEX6_8_F1 and provides **USBC_VOUT/0V default**.
- MPQ8633AGLE-Z** (MPQ8633AGLE-Z) receives power from 12V_PEX6_8_F1 and provides **1V8_AON/1.8V**.
- MPQ28168** (MPQ28168) receives power from 12V_PEX6_8_F1 and provides **5V**.
- MPQ8633AGLE-Z** (MPQ8633AGLE-Z) receives power from 12V_F and provides **PEXVDD/1V**.
- MOS FDMF3170** (MOSFET) receives power from 12V_F and provides **FBVDDQ/1.35V**.

Power

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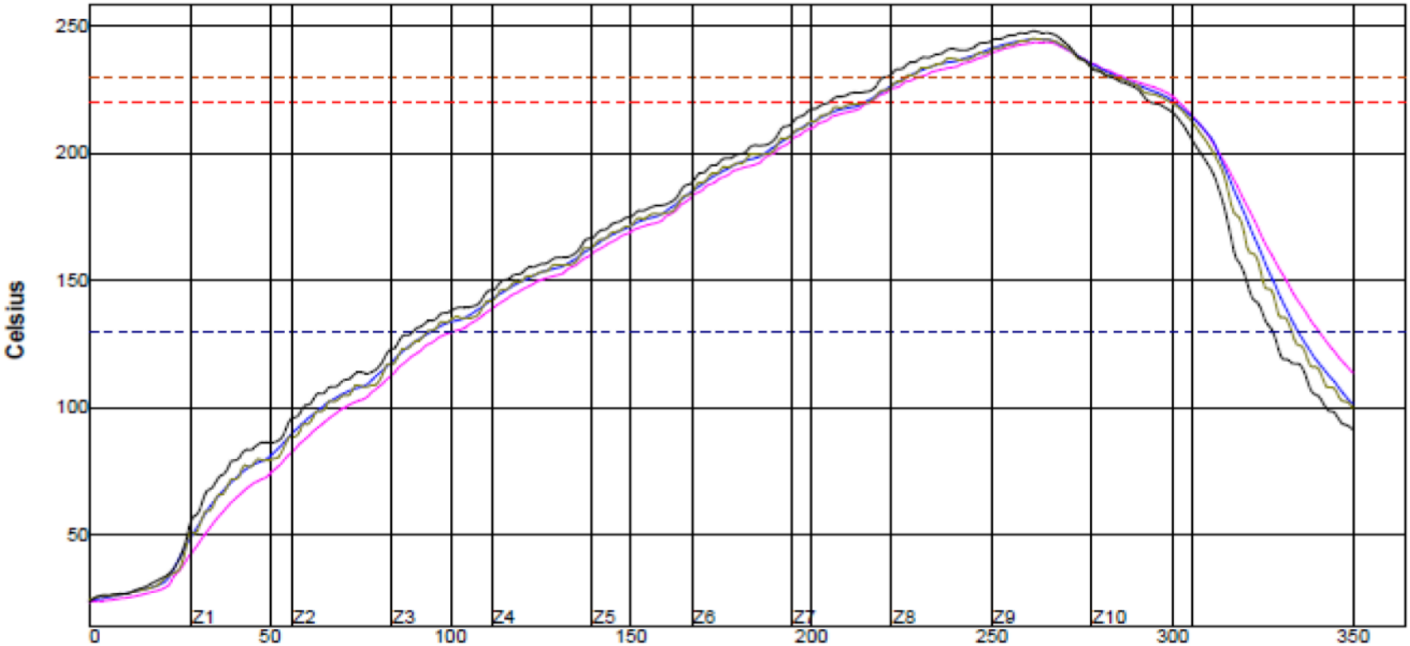
ASUS

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	