



Checklist

Pulsar2b Blade Serial Number: #

RTM Serial Number: #

- Visual, FPGA Parts:
- Voltage
- Front panel LED Blinking controlled by main FPGA
- IPMC: hot swap, FPGA remotely programming
- GTH in Fabric Interface
- GTH in RTM
- GTH in 4 FMC connectors
- LVDS in 4 FMC connectors

Resistance between power rails and GND

<u>Power Rails</u>	<u>Referece Value(Ω)</u>	<u>Observed Value(Ω)</u>
P1 VCC12	3.5K	
P2 <u>VCC3V3</u>	3.0K	
P3 <u>VCC1V0</u>	14.2	
P4 MGTAVCC 1.0V	111	
P5 MGTAVTT 1.2V	2.5K or 350	
P6 <u>VCC1V8</u>	650	
P7 MGTAVCCAUX 1.8V	6.5K	
P8 <u>VCC1V5</u>	511	

Resistor Measurement

<u>Regulator</u>	<u>Resistor</u>	<u>Schematic Value (Ω)</u>	<u>Reference Value(Ω)</u>	<u>Observed Value(Ω)</u>
U16	R22	240	242	
	R26	4.2k	4.19k	
	R28	10k	10.05k	
	R29	36.5k	36.2k	
U17	R23	240	242	
	R27	30.0k	19.7k	
	R30	23.7k	23.5k	
	R31	23.7k	23.4k	
U18	R24	240	242	
	R25	10k	8.88k	

	R32	23.7k	23.5k	
	R33	36.5k	36.4k	
U21	R34	240	242	
	R36	30.0k	19.6k	
	R38	36.5k	36.2k	
	R39	23.7k	23.5k	
U23	R35	240	242	
	R37	20.0k	15.8k	
	R40	10k	10.05k	
	R41	23.7k	23.5k	

Voltage Measurements

<u>Power Rails</u>	<u>Observed Voltage(V)</u>
P1 VCC12	
P2 <u>VCC3V3</u>	
P3 <u>VCC1V0</u>	
P4 MGTAVCC 1.0V	
P5 MGTAVTT 1.2V	
P6 <u>VCC1V8</u>	
P7 MGTAVCCAUX 1.8V	
P8 <u>VCC1V5</u>	
RTM (12V)	