Test Writer: Matt Whiteside, T08				
Test Case:	PCB quality checks		**Test ID:**	RC360-t1
Description:	Test that board connections are as they should be, ie, components receiving power.		**Type:**	White box
Objective:	Objective: verify that the board is ready to program. Acceptance test that it is ready to go to the next build stage.			

Tester Information				
Name of Tester:	Homer		**Date:**	
Hardware Ver:	1.0		**Time:**	
Setup:	Preconditions: unassembled PCB board, components, ready to assemble.			
Resources:	oscilloscope, digital multimeter, test probes			

Step	Action	Expected Result	Pass	Fail	N/A	Comments
1	trace check	no shorts between power/ground				
2	assemble regulators	output of 3 regulators is 3.3V, 5V and 7V				
3	Test power rails	Microcontroller should be receiving 5V				
4	Test programming	new program should load onto micro controller, without errors				
5	signal traces	all components should be receiving power/ground signals as expected				
Overall Test Result:						

References
1) board schematic: https://github.com/RC360Detector/RC360Detector/blob/master/T08_rc360detector_final.sch
2) board layout: https://github.com/RC360Detector/RC360Detector/blob/master/T08_rc360detector_final.brd

Test Version: 1.1
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