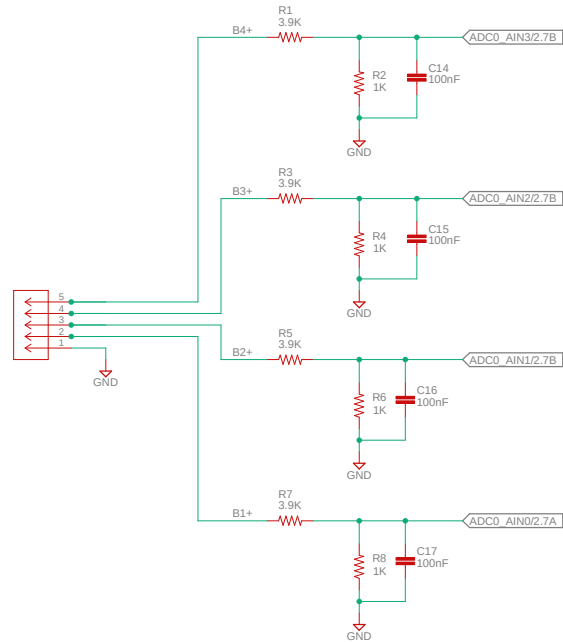


Terminal Block- battery voltages

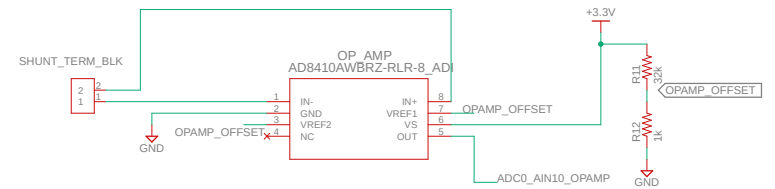
* Battery Cell inputs use divide by 5 voltage dividers and MCU maximum rating is 5V
* Input voltage cannot exceed +25V referenced to GND



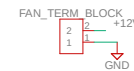
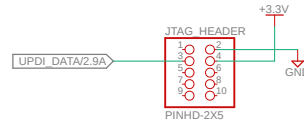
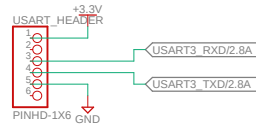
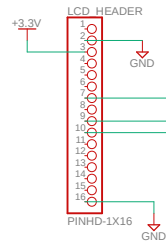
Battery Cell Input Terminal Blocks:

B4+ => RED
B3+ => YELLOW
B2+ => BLUE
B1+ => GREEN
B- => BLACK

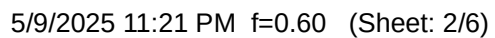
Shunt Terminal Block Inputs to
Current Sensing (low-side) Instrumentation Amplifier: with Gain of 20



LCD header



TITLE: Multicell Battery Load Analyzer pcb v90		
Document Number:	Sense Wire Input Connections and Headers	REV:
Date: not saved!	Sheet: 1/6	



JP4 Connctions to A4988 Carrier Board

8 => ENABLE
7 => MS1
6 => MS2
5 => MS3
4 => RESET
3 => SLEEP
2 => STEP
1 => DIR

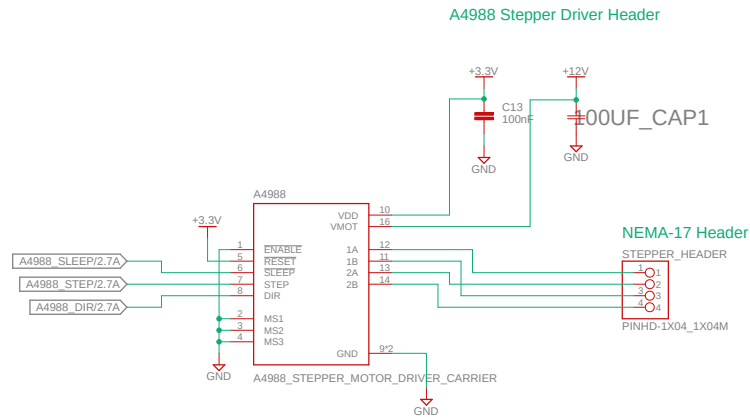
JP5 Connctions to A4988 Carrier Board

1 => VMOT
2 => GND
3 => 2B
4 => 2A
5 => 1A
6 => 1B
7 => VDD
8 => GND

Microstepping Resolution

MS1	MS2	MS3	=> Step Resolution
L	L	L	=> Full Step
H	L	L	=> 1/2 Step
L	H	L	=> 1/4 Step
H	H	L	=> 1/8 Step
H	H	H	=> 1/16 Step

SLEEP : LOW => SLEEP MODE, HIGH => NORMAL OPERATION
RESET : LOW => STEP IGNORED, HIGH => NORMAL OPERATION
ENABLE : LOW => NORMAL OPERATION, HIGH => FET OUTPUTS DISABLED



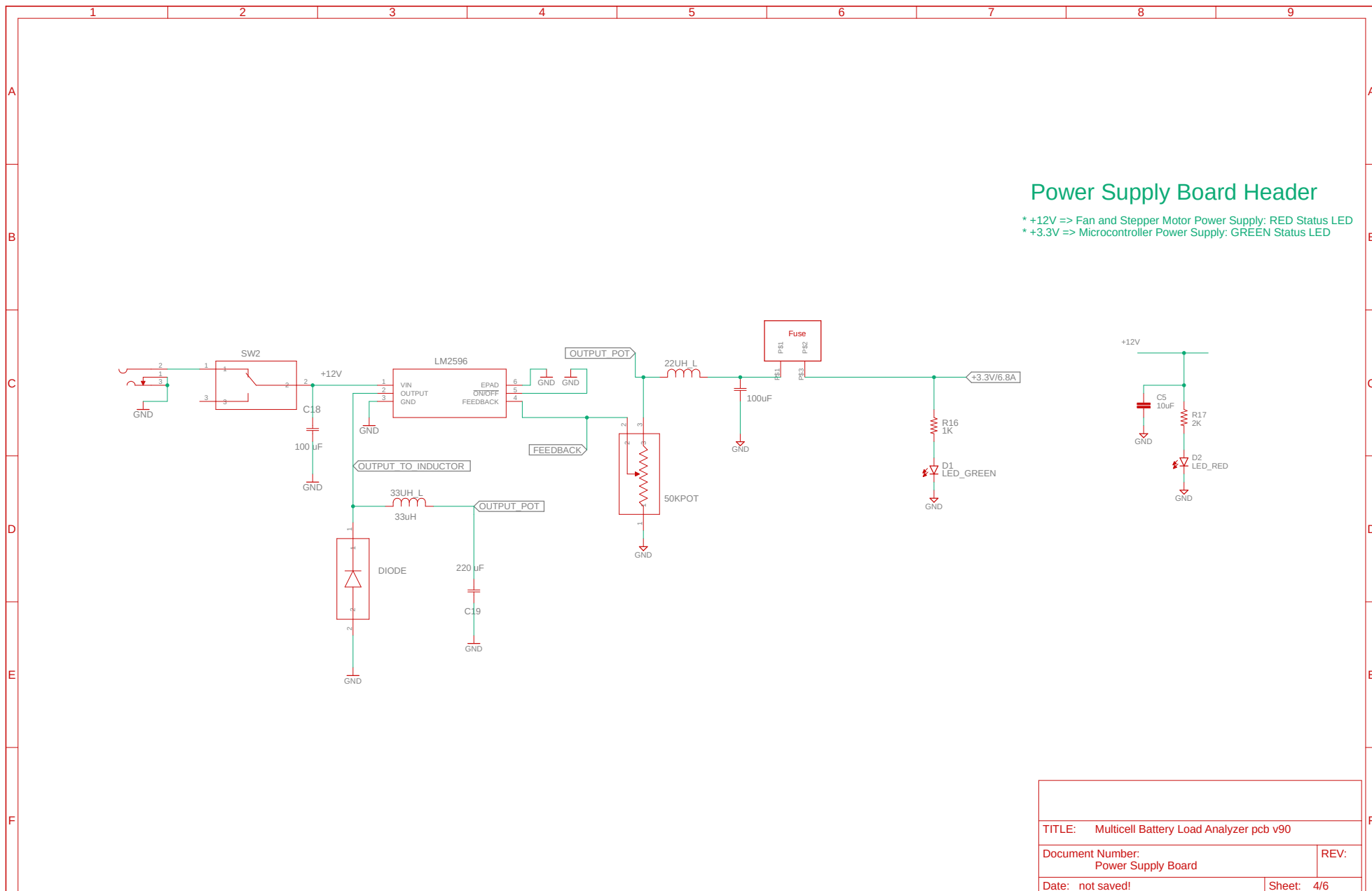
TITLE: Multicell Battery Load Analyzer pcb v90

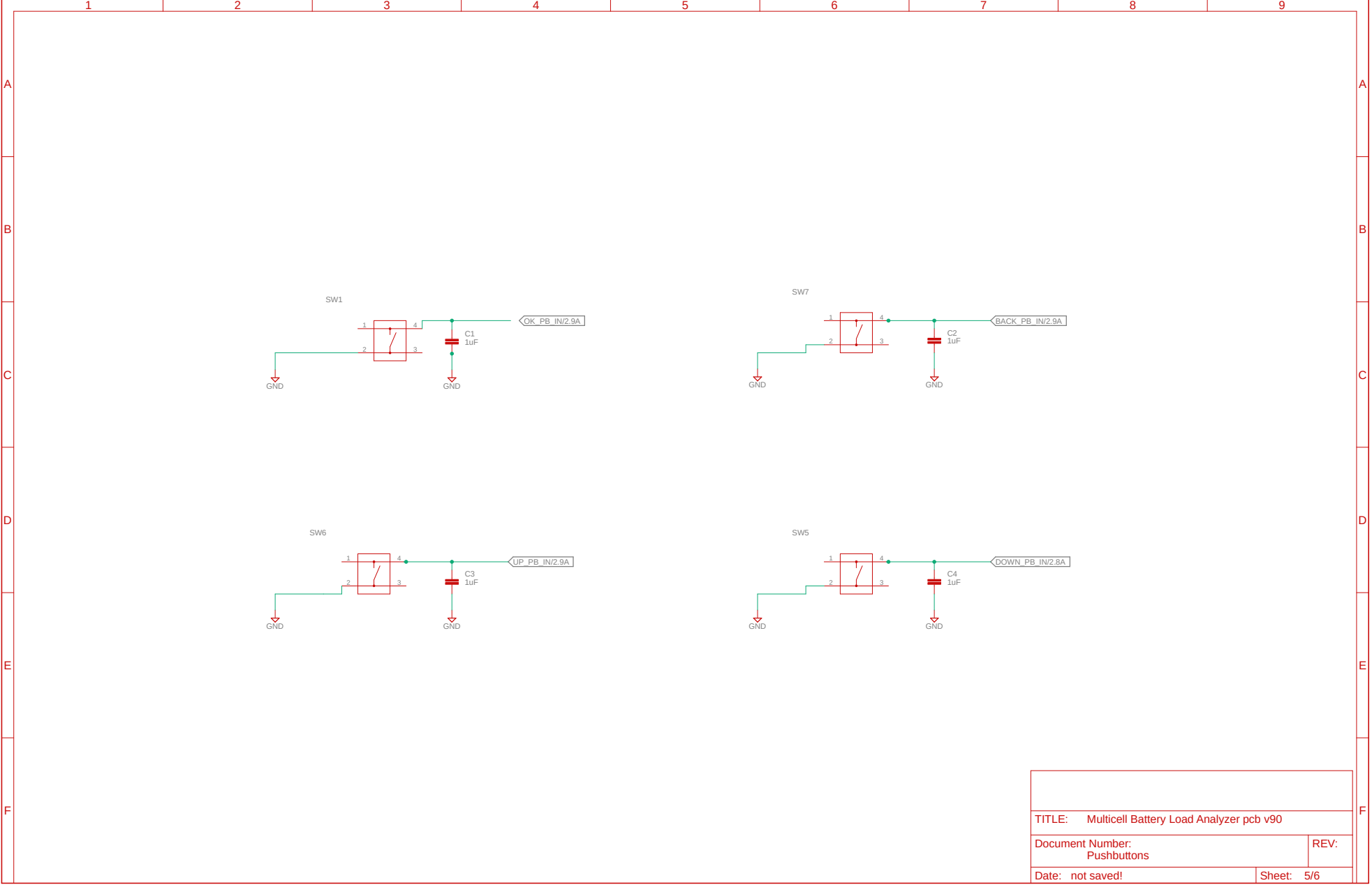
Document Number:
A4988 Stepper Motor Driver

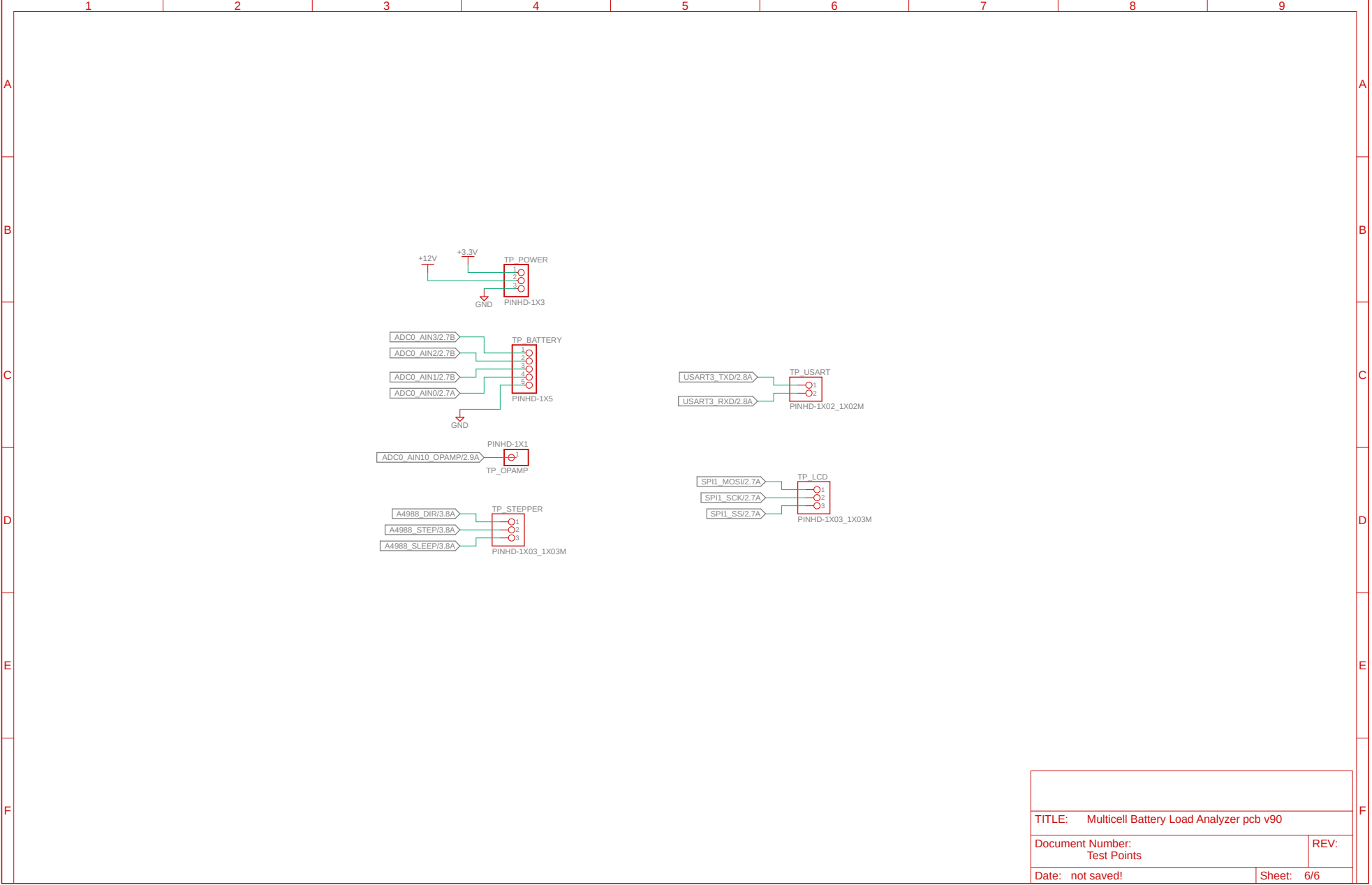
REV:

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Sheet: 3/6







TITLE: Multicell Battery Load Analyzer pcb v90		
Document Number: Test Points		REV:
Date: not saved!	Sheet: 6/6	