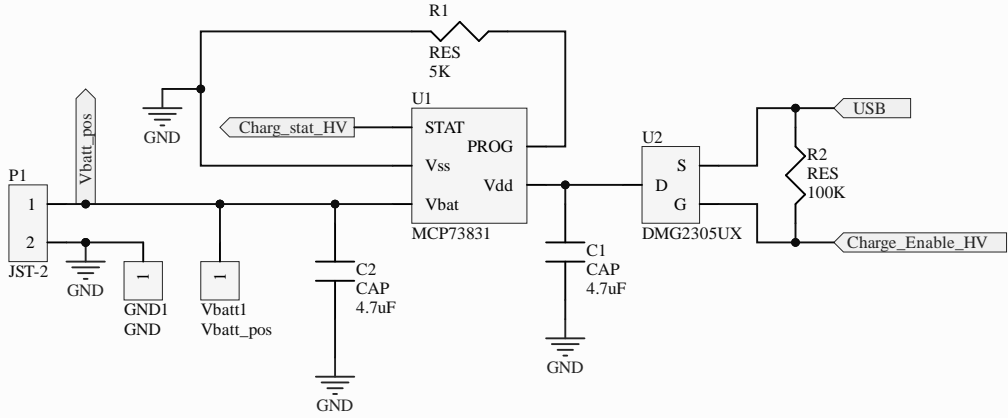
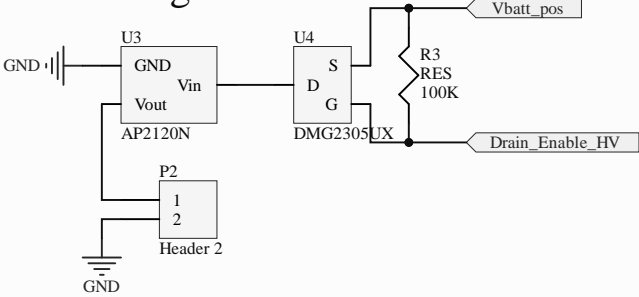


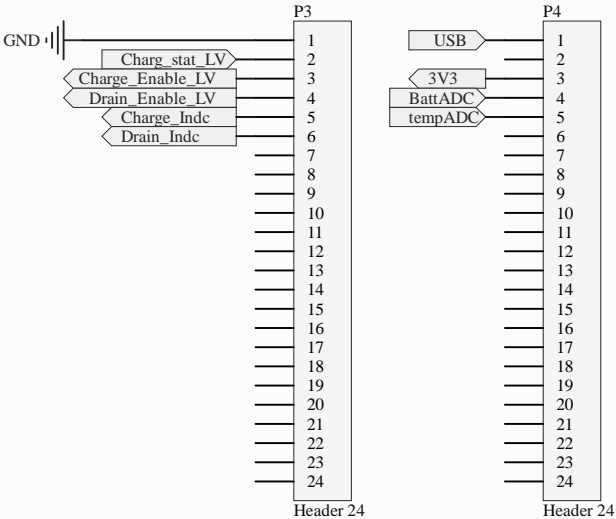
Battery Charging



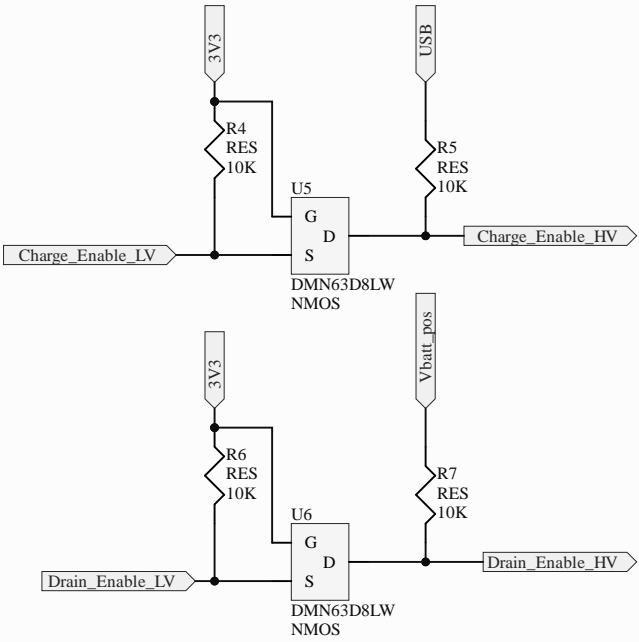
3V Regulator



Teensy 3.6

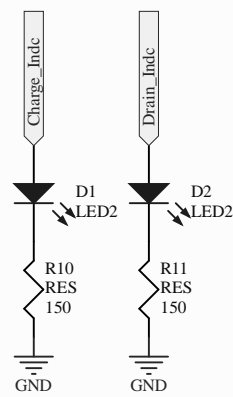


Level Shifters

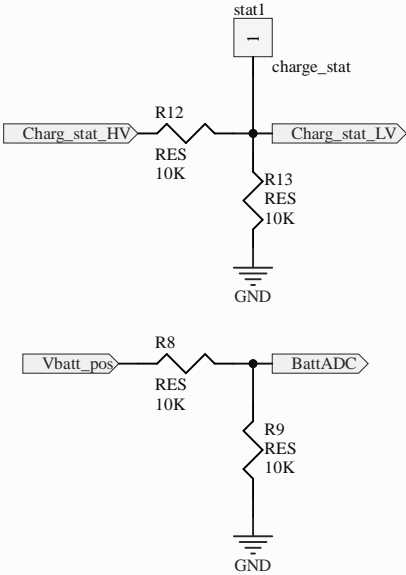


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Date:	7/21/2020	Sheet of
File:	C:\Users\...\schem0.SchDoc	Drawn By:

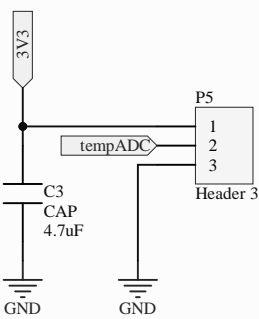
LED Indicators



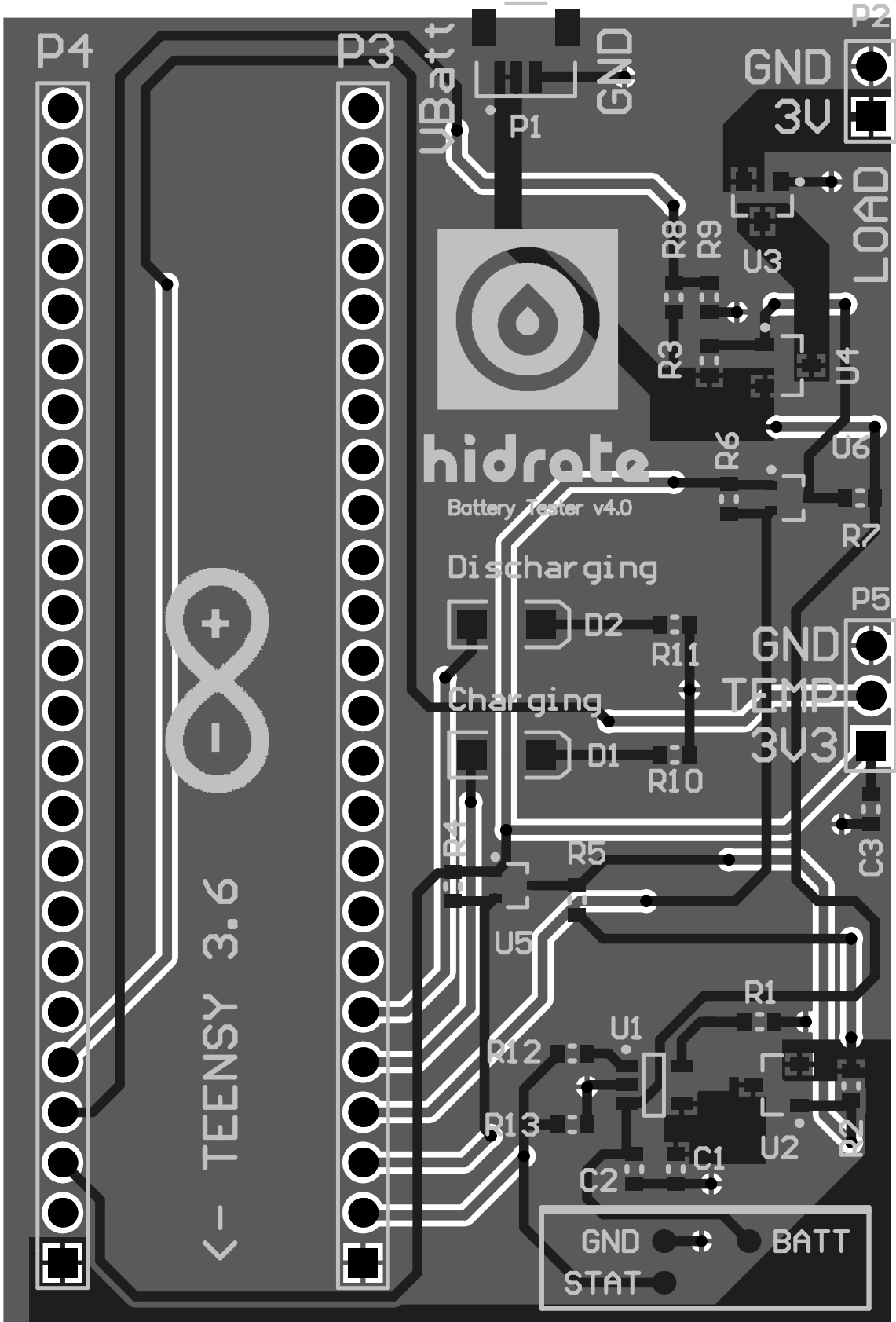
Voltage Dividers



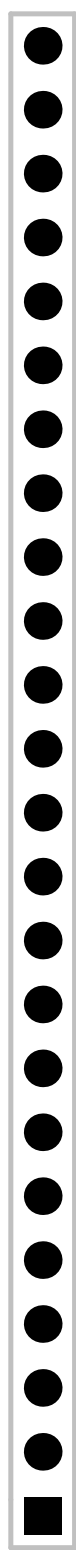
Temperature Sensor Connector



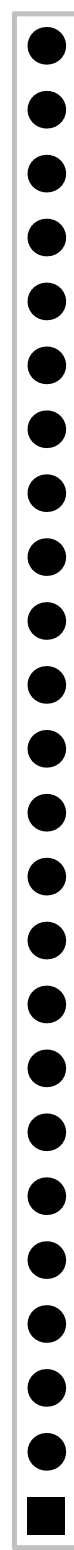
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P4

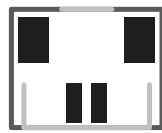


P3



<- TEENSY 3.6

VBatt



P1

GND



hidrate

Battery Tester v4.0

Discharging



D2

Charging



D1

R4



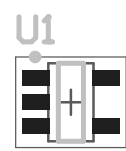
U5

R5



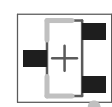
R12

R13



C2

R1



R2

R3



R8



R9



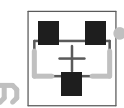
R6



R11



R10



GND
3V

LOAD



U4

U6



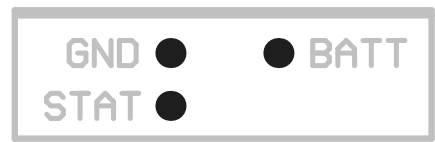
R7

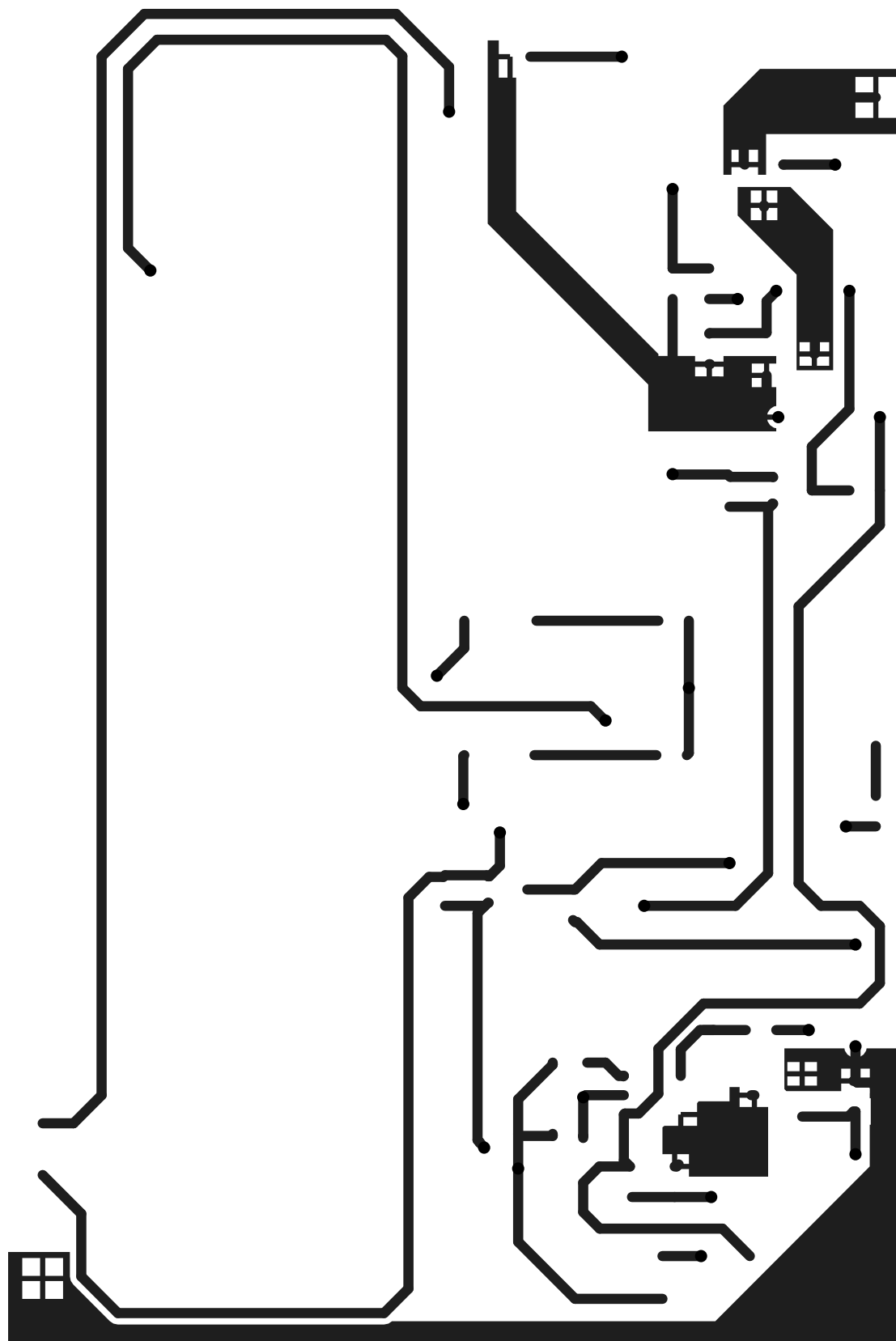
P5

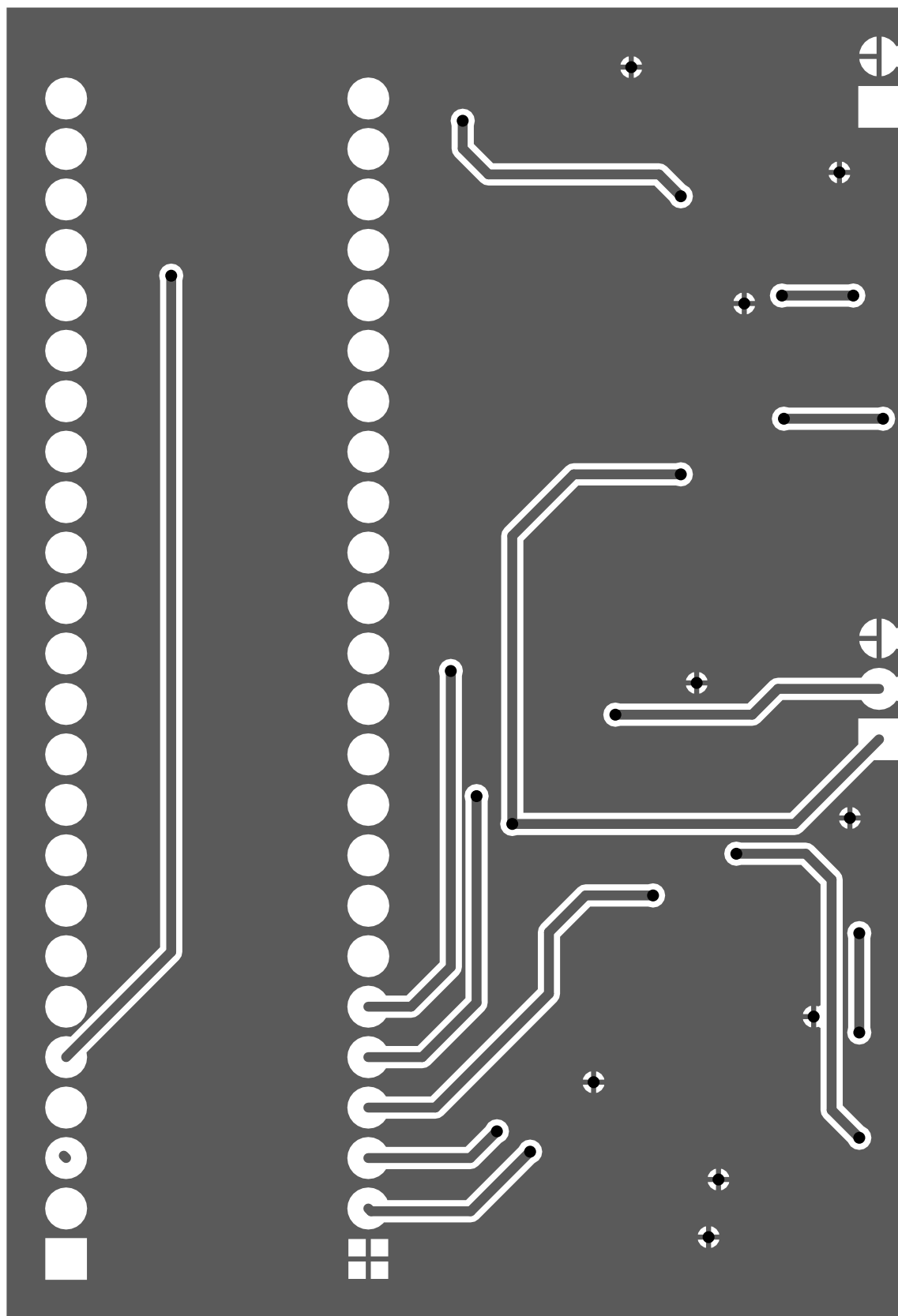


GND
TEMP
3V3

C3



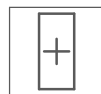
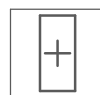
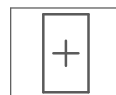















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Board Stack Report

Stack Up			Layer Stack			
Layer	Board Layer Stack	Board Layer Stack	Name	Material	Thickness	Constant
1			Top Paste			
2			Top Overlay			
3			Top Solder	Solder Resist	0.40mil	3.5
4			Top Layer	Copper	1.40mil	
5			Dielectric 1	FR-4	62.99mil	4.8
6			Bottom Layer	Copper	1.40mil	
7			Bottom Solder	Solder Resist	0.40mil	3.5
8			Bottom Overlay			
9			Bottom Paste			
	Height : 66.59mil	Height : 66.59mil				

