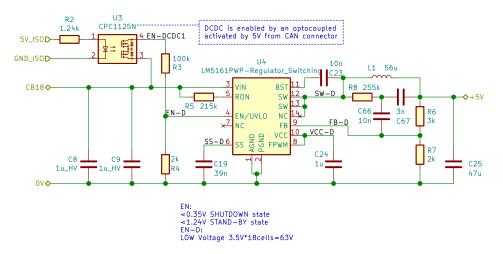
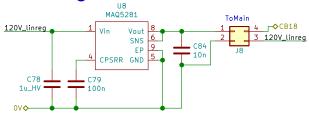


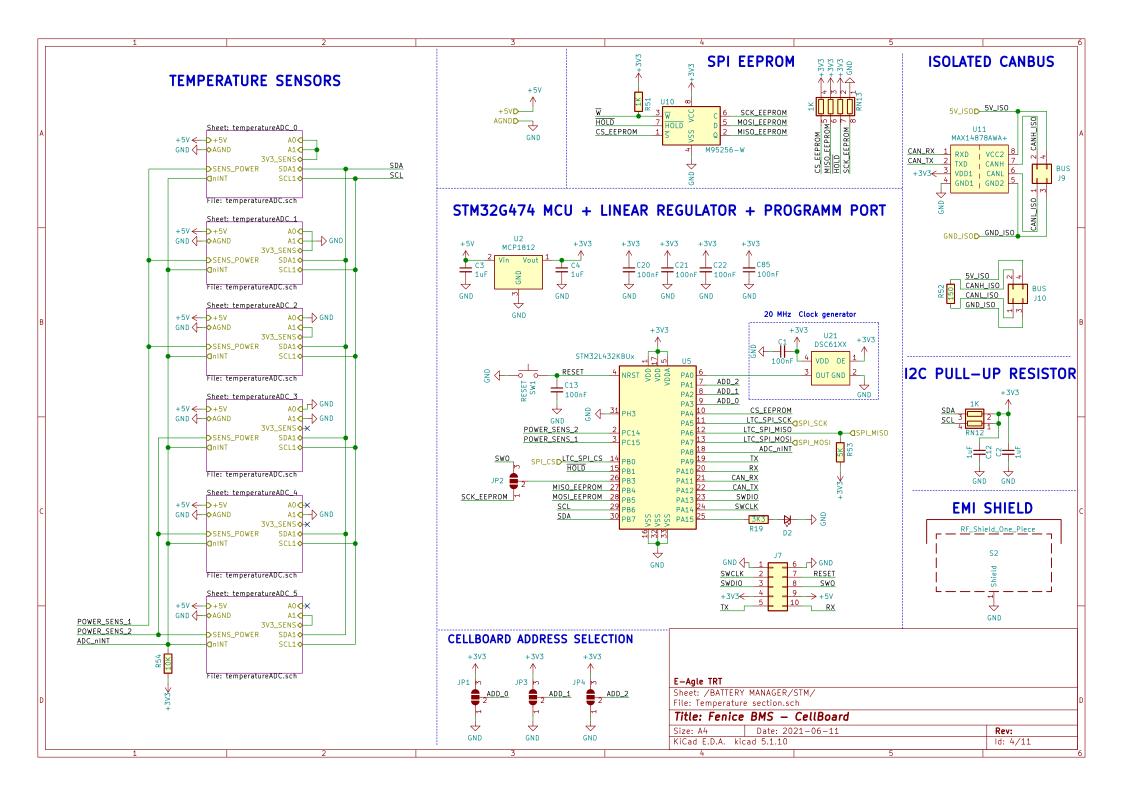
### Buck DCDC converter - 80V in - 5V 1A out

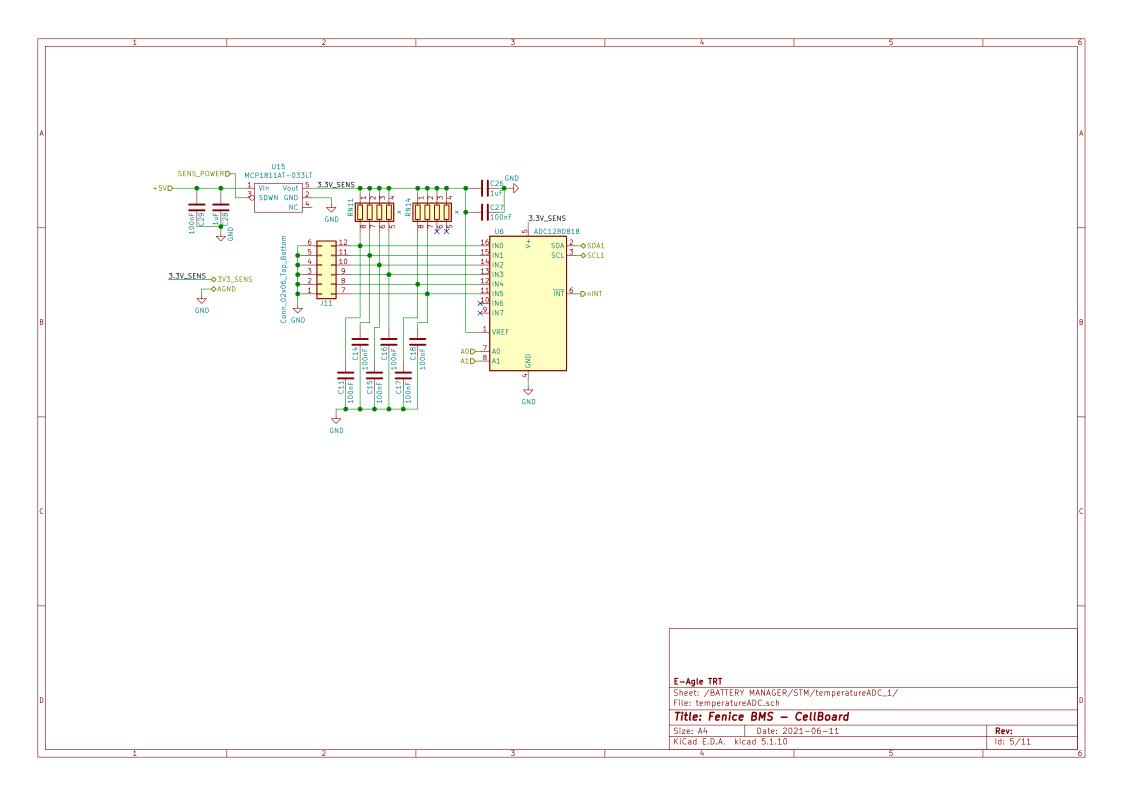


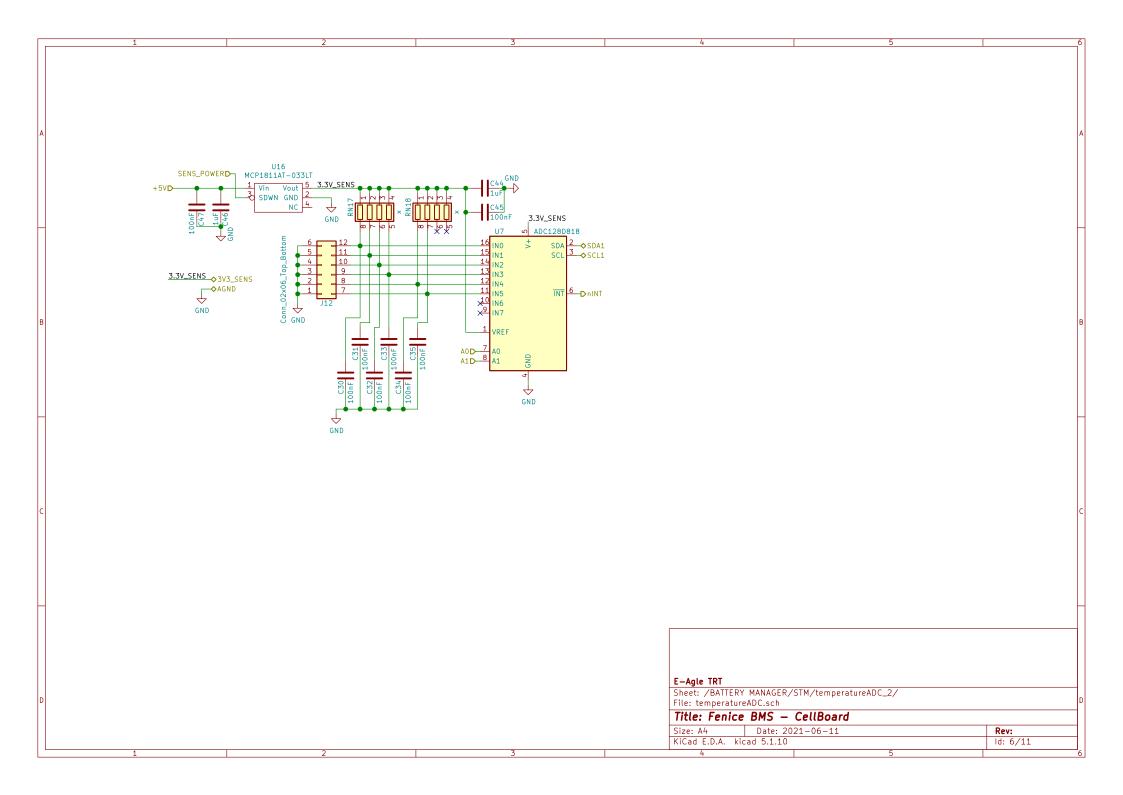
## Linear regulator 5V - 25mA

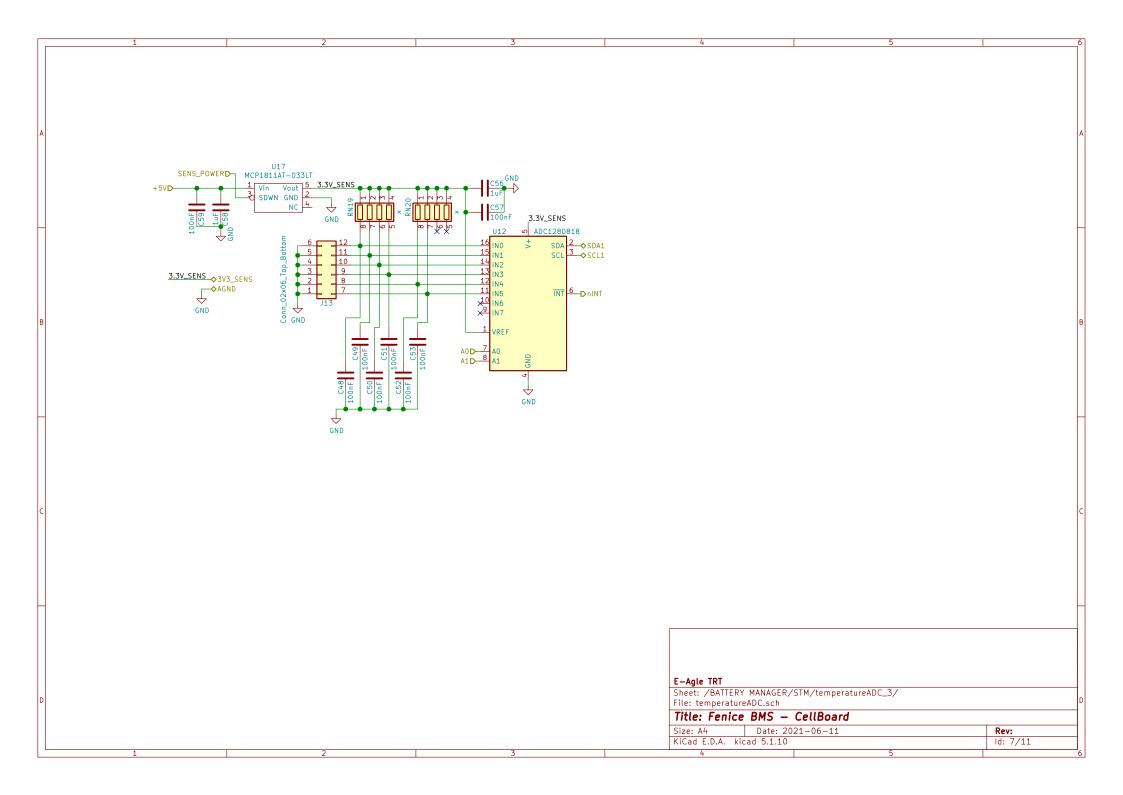


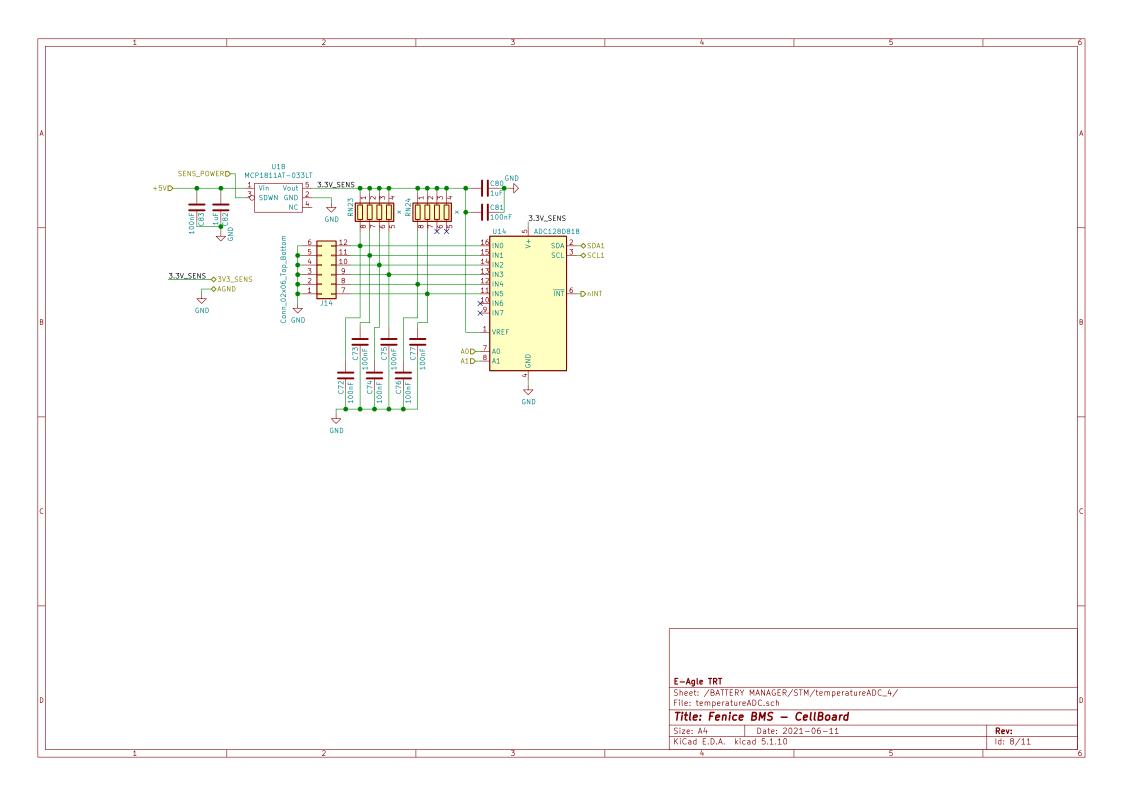
E-Agle TRT				
Sheet: /BATTERY MANAGER/DCDC_80Vto5V/				
File: PowerSupply.sch				
Title: Fenice BMS — CellBoard				
Size: A4	Date: 2021-06-11	Rev:		
KiCad E.D.A. kid	ad 5.1.10	ld: 3/11		

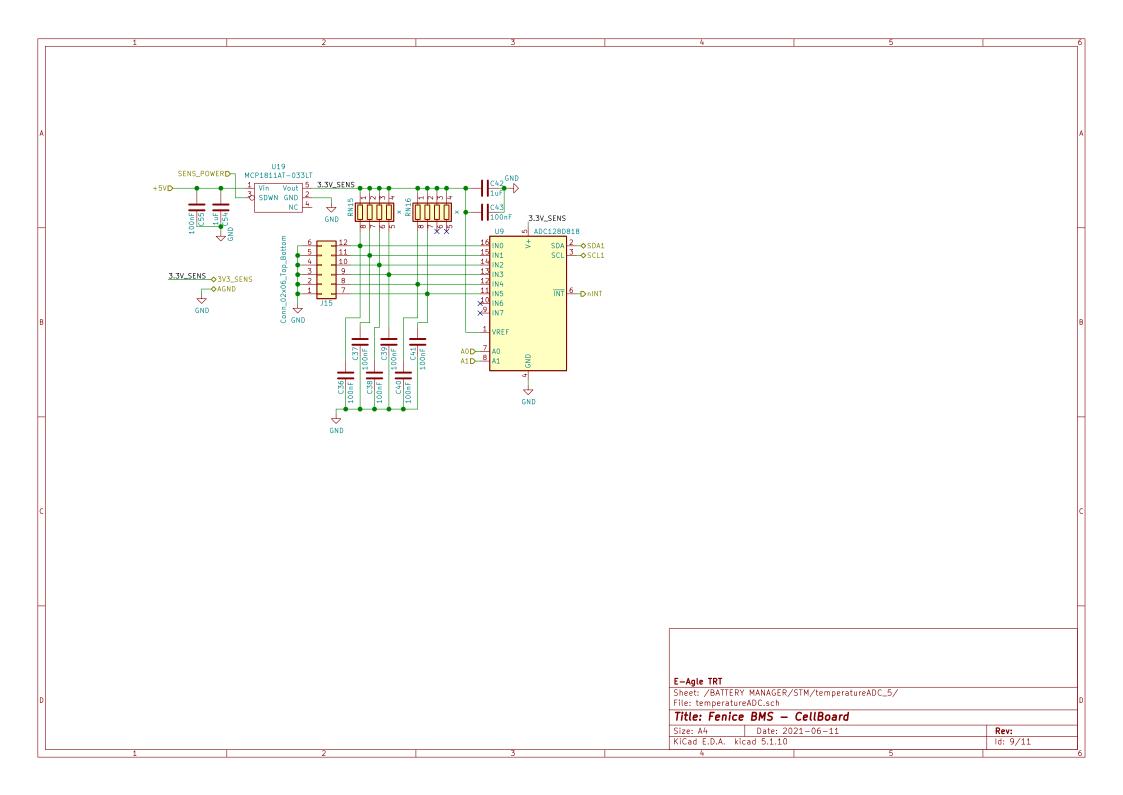


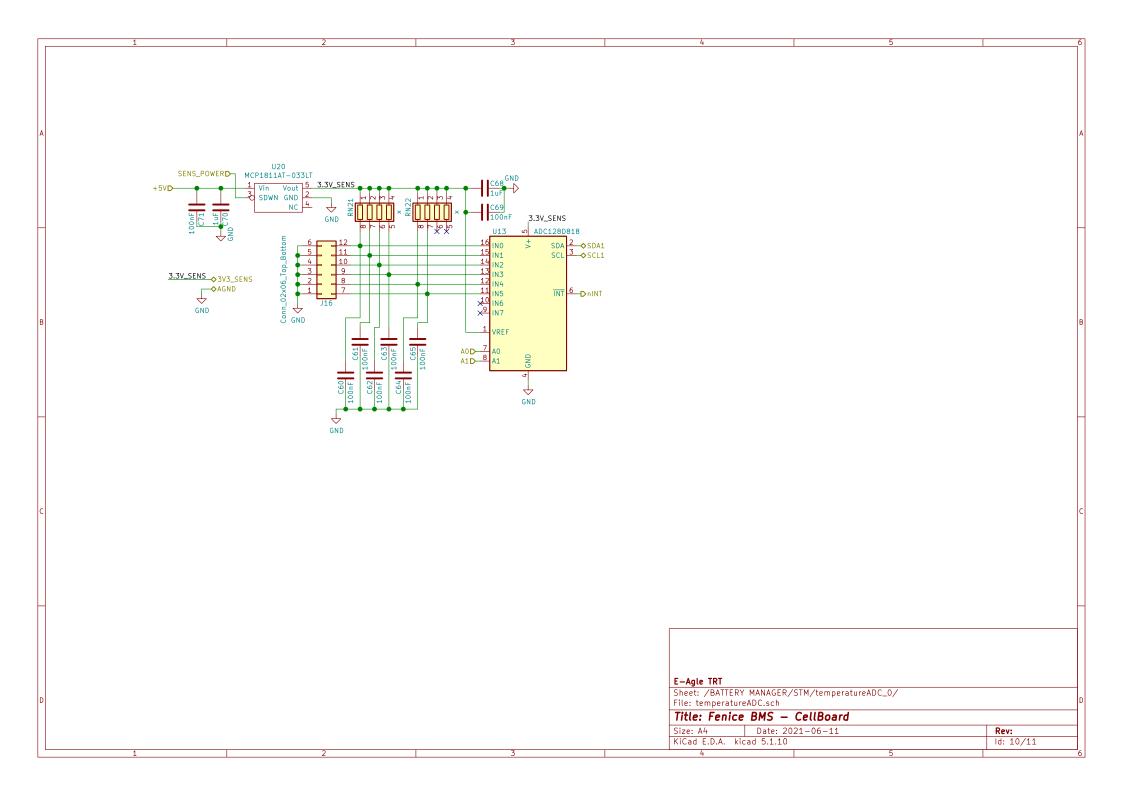












# PASSIVE DISCHARGE SELECTION (power dissipation 2512=3W) DISCHARGE OF CELL 18,17,16,15 CB18D SINGLE RESISTOR

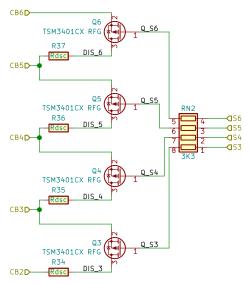
SINGLE RESISTOR					
V <sub>max</sub> [V]	I <sub>discharge</sub> [A]	R [ohm]	P on R [W]		
4,25	0,090	47	0,384308511		
	0,109	39	0,463141026		
	0,213	20	0,903125		
	0,425	10	1,80625		

DUAL RESISTOR					
V <sub>max</sub> [V]	I <sub>discharge</sub> [A]	R [ohm]	P on R [W]		
4,25	0,181	47	0,3843085		
	0,218	39	0,463141		
	0,425	20	0,903125		
	0,567	15	1,2041667		
	0,708	12	1,5052083		
	0,850	10	1,80625		
	1,037	8,2	2,2027439		

SINGLE RESISTOR = POPULATE ONLY THE RESISTOR FROM R1 TO R18

DUAL RESISTOR = POPULATE THE RESISTOR FROM R1 TO R18 + FROM R32 TO R49

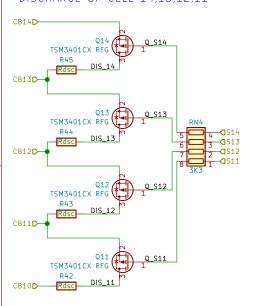
#### DISCHARGE OF CELL 6,5,4,3



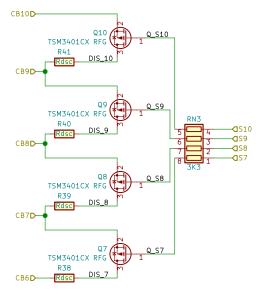
#### DISCHARGE OF CELL 14,13,12,11

CB16**D** 

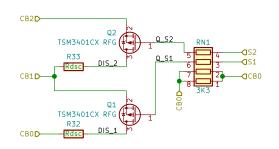
CB15D-



#### DISCHARGE OF CELL 10,9,8,7



#### DISCHARGE OF CELL 2,1



#### E-Agle TRT

Sheet: /MOS\_Balancer\_Passive\_metod/

File: Balance.sch

Title: Fenice BMS — CellBoard

KiCad E.D.A. kicad 5.1.10	Size: A4	Date: 2021-06-11	Rev:
	KiCad E.D.A. kid	cad 5.1.10	ld: 11/11