

DISCHARGE OF CELL 18,17,16,15 CB18D-CB17**D**→ CB16**D**─ CB15D-DISCHARGE OF CELL 14,13,12,11 CB14D CB13D-CB12D-

CB11**D**—

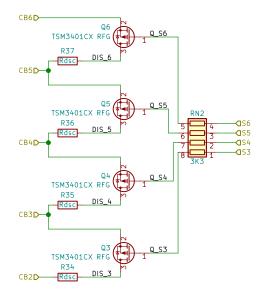
CB10**D**

PASSIVE DISCHARGE SELECTION (power dissipation 2512=3W)

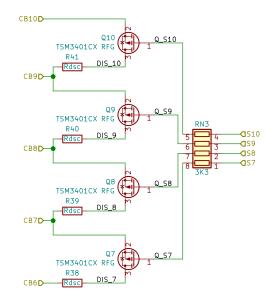
| | SINGLE RESISTOR | | | | |
|--|----------------------|----------------------------|---------|-------------|--|
| | V _{max} [V] | I _{discharge} [A] | R [ohm] | P on R [W] | |
| | 4,25 | 0,090 | 47 | 0,384308511 | |
| | | 0,109 | 39 | 0,463141026 | |
| | | 0,213 | 20 | 0,903125 | |
| | | 0,425 | 10 | 1,80625 | |

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

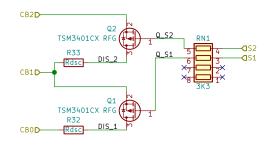
DISCHARGE OF CELL 6,5,4,3



DISCHARGE OF CELL 10,9,8,7



DISCHARGE OF CELL 2,1



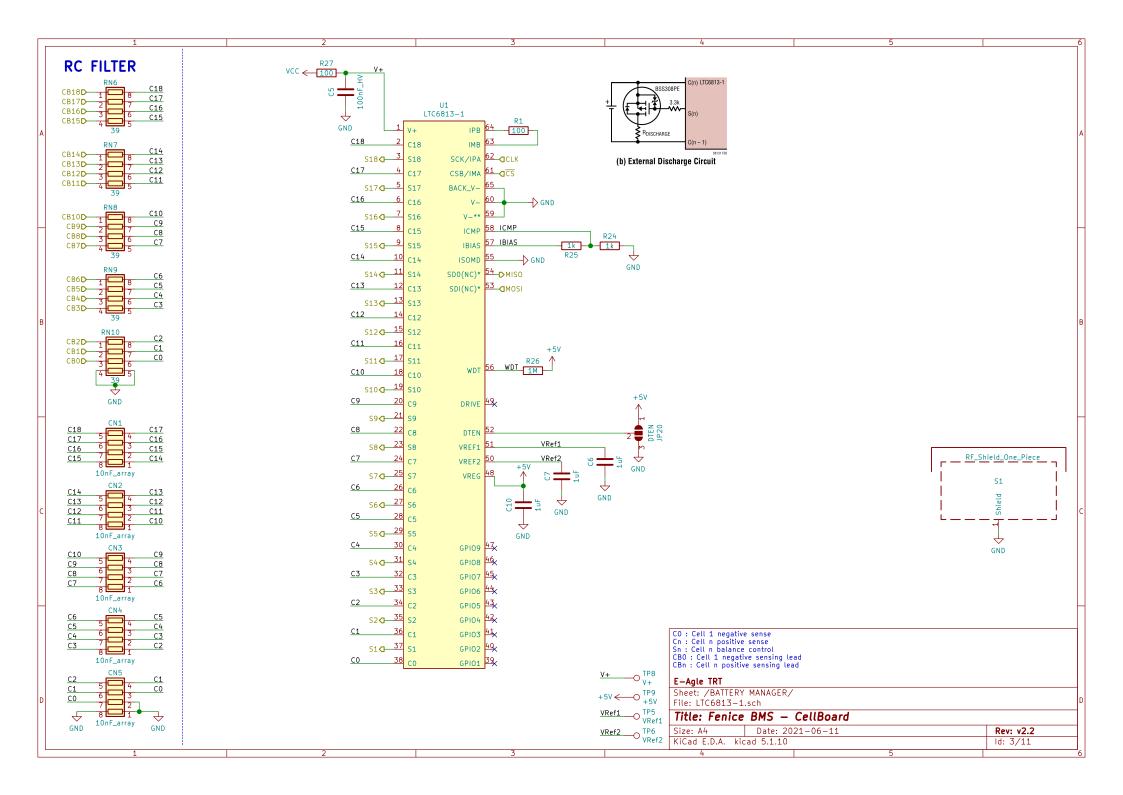
E-Agle TRT

Sheet: /MOS_Balancer_Passive_metod/

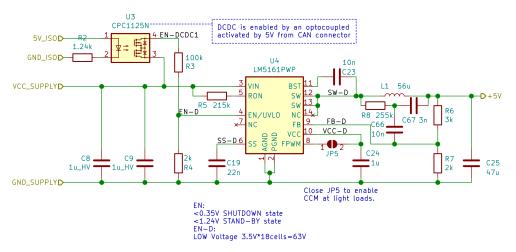
File: Balance.sch

Title: Fenice BMS — CellBoard

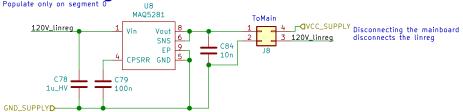
| Size: A4 | Date: 2021-06-11 | Rev: v2.2 |
|------------------|------------------|-----------|
| KiCad E.D.A. kid | ad 5.1.10 | ld: 2/11 |
| | | |



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



Linear regulator 5V - 25mA



| E-Agle TRT | | | | |
|--|-------------------|-----------|--|--|
| heet: /DCDC_80Vto5V/ ile: PowerSupply.sch | | | | |
| Title: Fenice | e BMS – CellBoard | | | |
| Size: A4 | Date: 2021-06-11 | Rev: v2.2 | | |
| KiCad E.D.A. kicad 5.1.10 | | ld: 4/11 | | |

