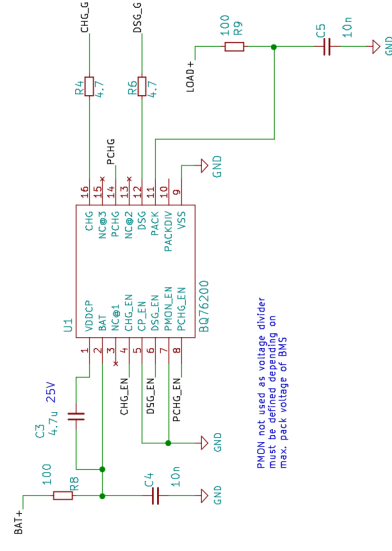
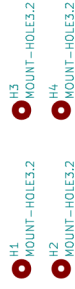
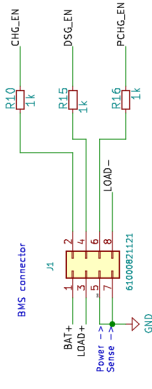


High side MOSFET driver



- Maximum current: $60V / (3 \cdot 33 \text{ Ohm}) = 0.6A$
- Time constant for $1000\mu F$ bus capacitance: $0.1s$

Current design for 30A – two 2mOhm resistor in parallel
Take resistor with low temperature coefficient and 3W thermal rating, e.g.:
Bourns CRE25A2-FZ-R002E-3 (75 ppm/K, 3W, 1%)



Sheet: /
File: switch-n2.sch

Size:	User	Date:
KiCad	E.D.A.	kicad 5.1.6-c6e7f7d86ubuntu18.04.1