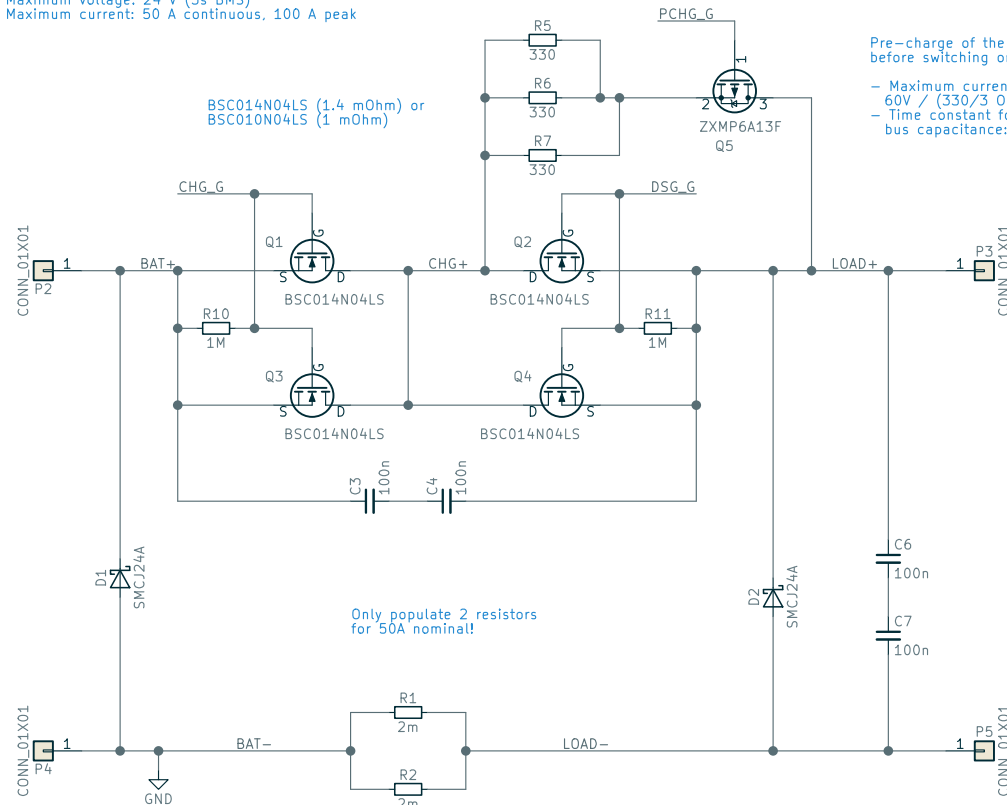


Maximum voltage: 24 V (5s BMS)  
Maximum current: 50 A continuous, 100 A peak



BSC014N04LS (1.4 mOhm) or  
BSC010N04LS (1 mOhm)

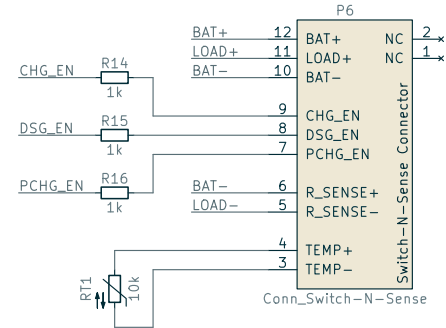
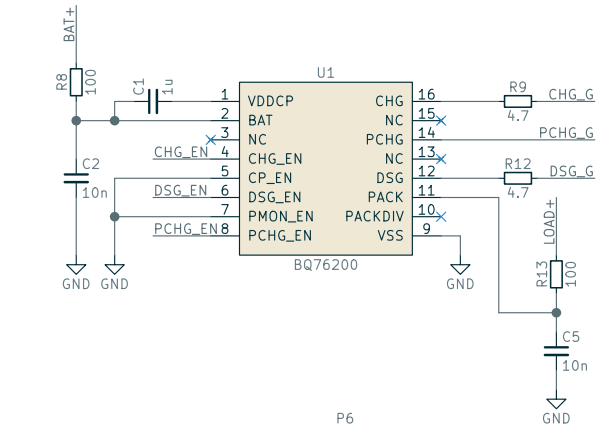
Pre-charge of the bus  
before switching on DSG

- Maximum current:  
 $60V / (330/3 \text{ Ohm}) = 0.55A$   
- Time constant for  $1000\mu F$   
bus capacitance: 0.1s

Only populate 2 resistors  
for 50A nominal!

Take resistor with low temperature coefficient and  
3W thermal rating, e.g.:  
Bourns CRE2512-FZ-R001E-3 (75 ppm/K, 3W, 1%)

Max.  $C_{iss}$  of CSD18540Q5B = 4.23 nF  
Necessary CP capacity acc. datasheet:  
 $4 \times 4.23 \text{ nF} \times 470/20 = 0.4 \mu F$



Sheet: /  
File: Switch-N-Sense.sch

Size: A4 Date:  
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