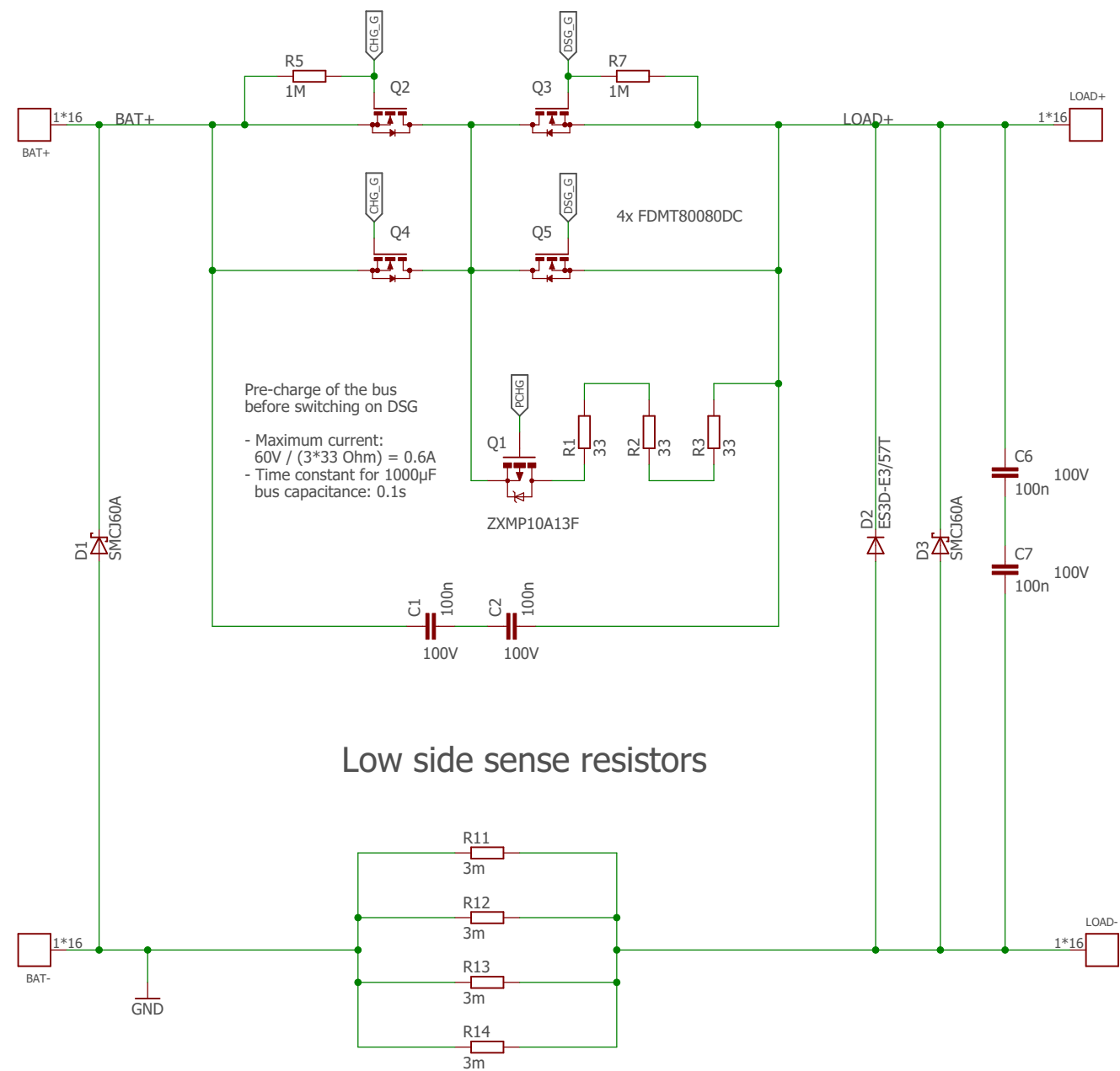


Chg/Dsg FETs



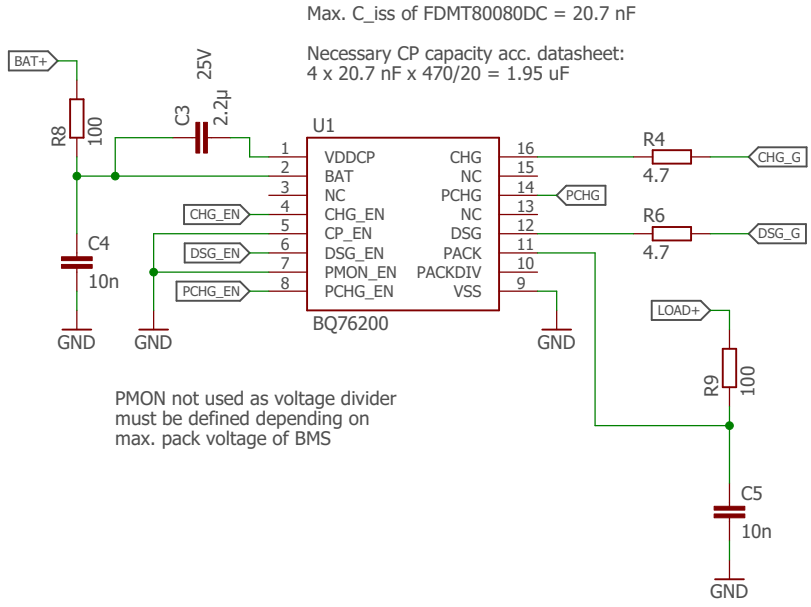
Pre-charge of the bus  
before switching on DSG

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

Low side sense resistors

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

High side MOSFET driver

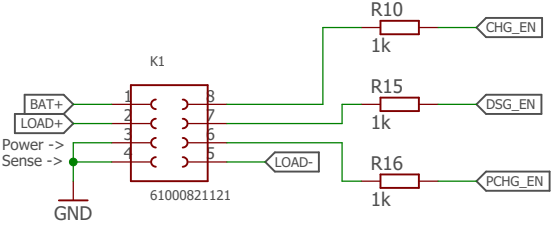


Max. C\_iss of FDMT80080DC = 20.7 nF

Necessary CP capacity acc. datasheet:  
 $4 \times 20.7 \text{ nF} \times 470/20 = 1.95 \text{ uF}$

PMON not used as voltage divider  
must be defined depending on  
max. pack voltage of BMS

BMS connector



- H1 MOUNT-HOLE3.2
- H2 MOUNT-HOLE3.2
- H3 MOUNT-HOLE3.2
- H4 MOUNT-HOLE3.2



Design: Martin Jäger ( <a href="http://libre.solar">http://libre.solar</a> ) License: CC-BY-SA	
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