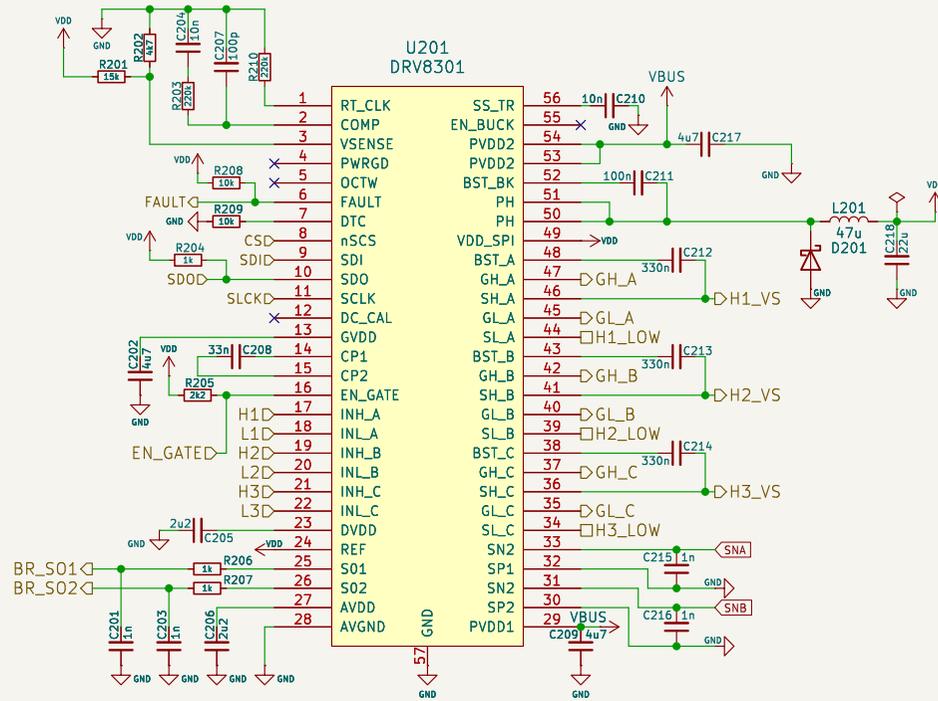


Sheet: /		Date:	
File: vesc2.kicad_sch			
<b>Title:</b>			
Size: A4	KiCad E.D.A. 9.0.0		Rev: Id: 1/5

# GATE DRIVER

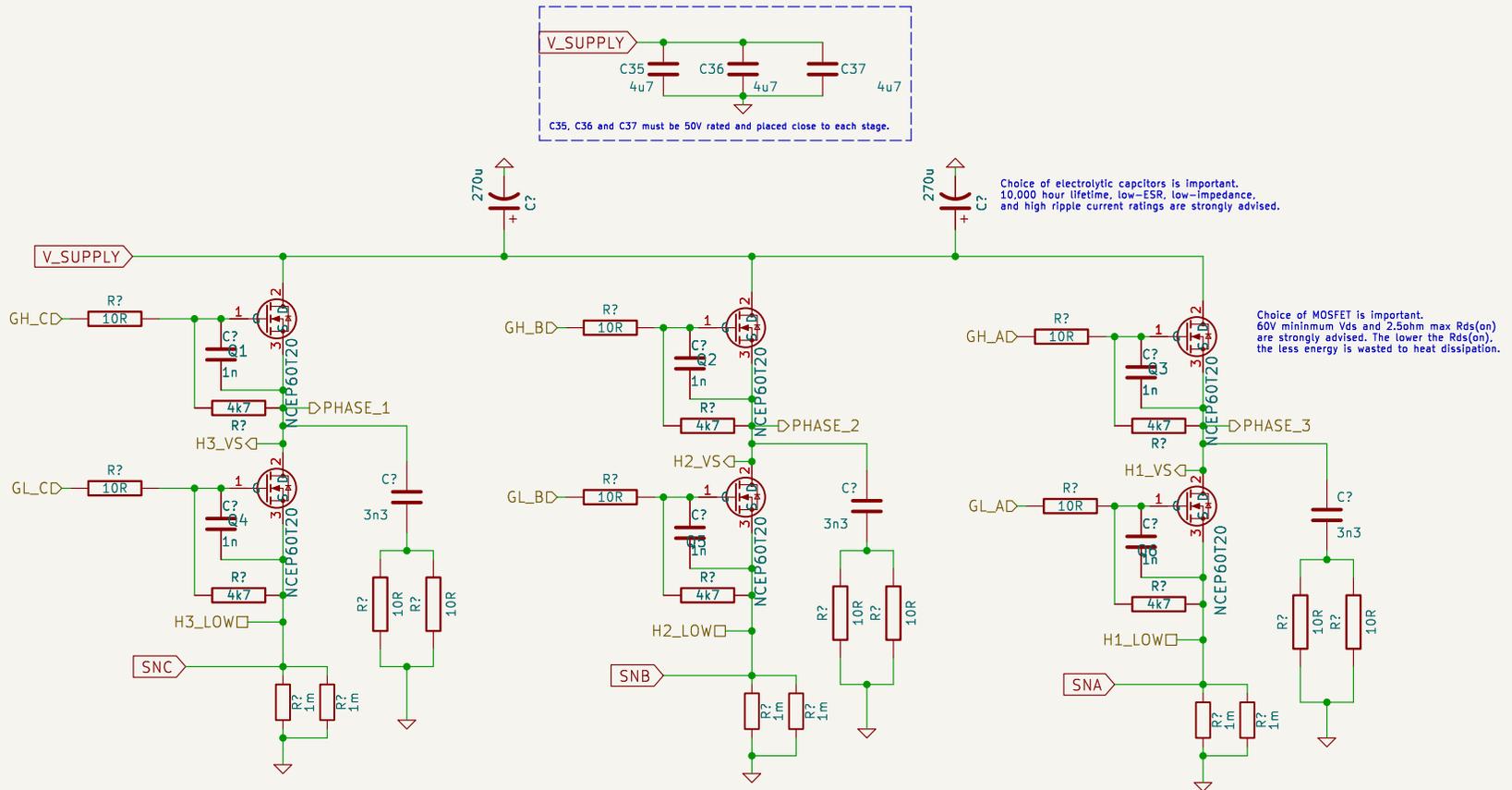


Sheet: /Gate Driver/  
File: gatedriver.kicad\_sch

**Title:**

Size: A4 Date:  
KiCad E.D.A. 9.0.0

**Rev:**  
Id: 2/5



V\_SUPPLY

C35 4u7 C36 4u7 C37 4u7

C35, C36 and C37 must be 50V rated and placed close to each stage.

Choice of electrolytic capacitors is important. 10,000 hour lifetime, low-ESR, low-impedance, and high ripple current ratings are strongly advised.

Choice of MOSFET is important. 60V minimum Vds and 2.5ohm max Rds(on) are strongly advised. The lower the Rds(on), the less energy is wasted to heat dissipation.

Top level

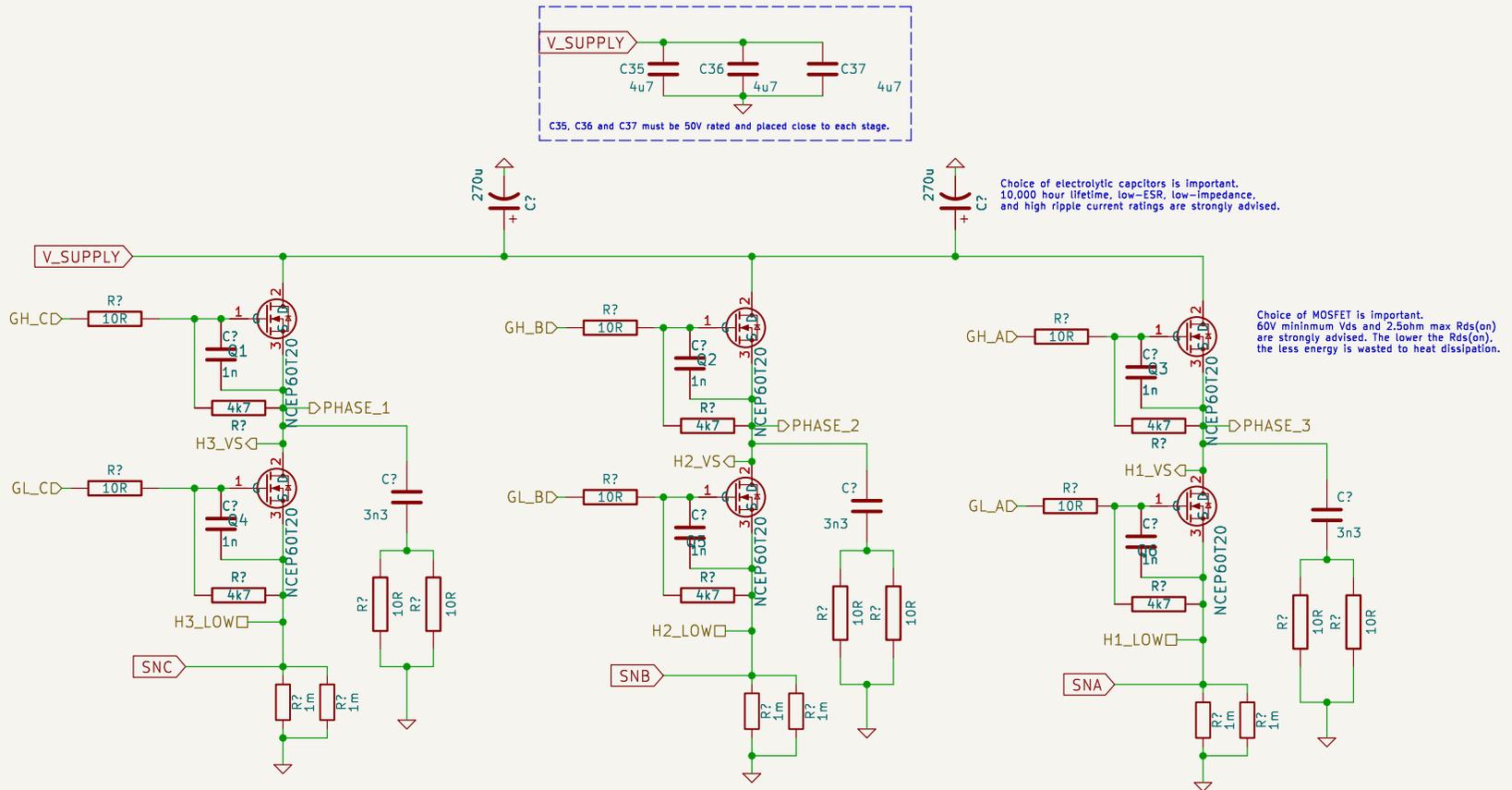
Root  
Shaman Systems

Sheet: /MOSFETS A/  
File: mosfets.kicad\_sch

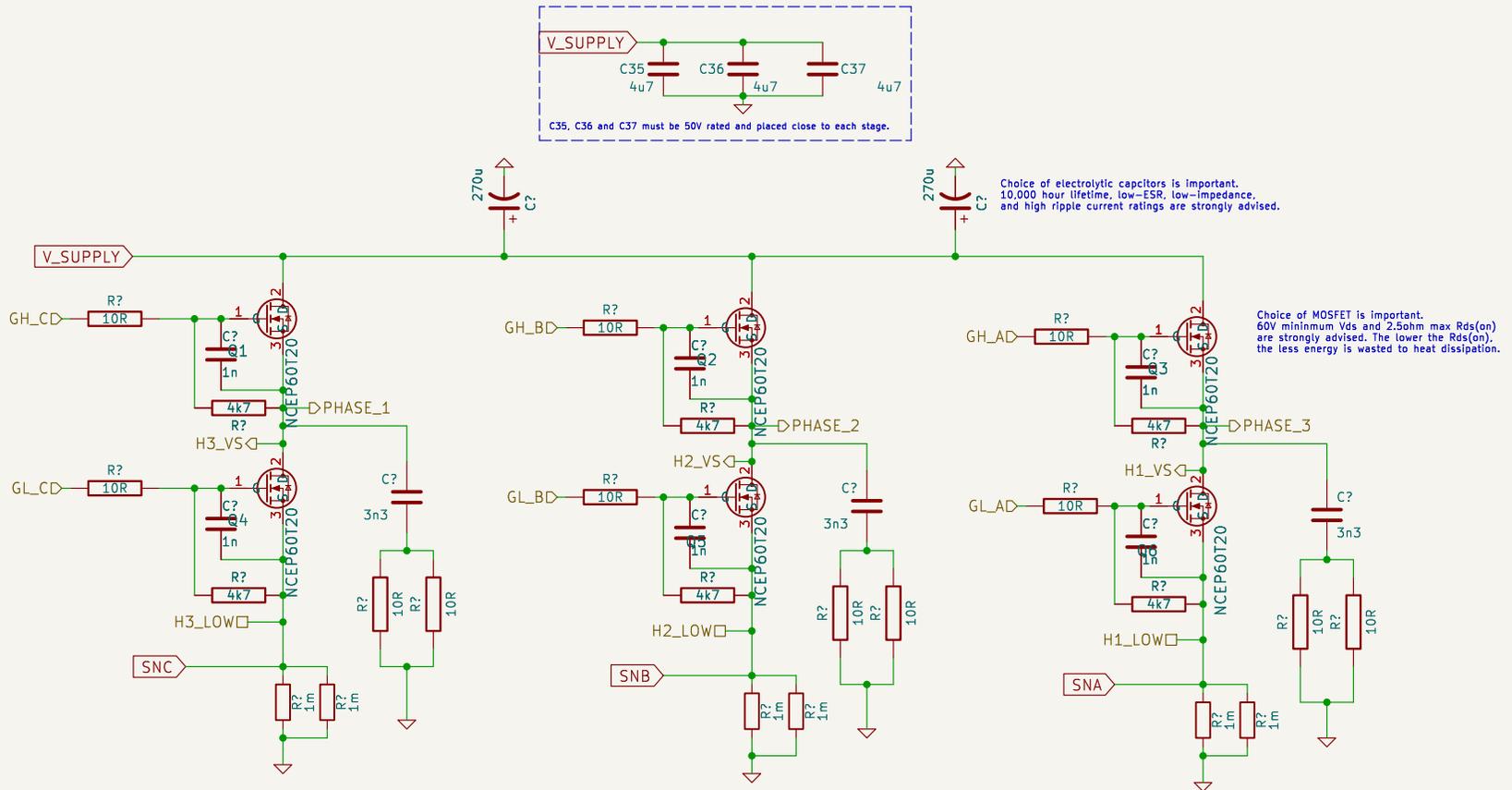
**Title: Cheap FOCer 2**

Size: A4 Date: 2020-04-08  
KiCad E.D.A. 9.0.0

Rev: 0.9  
Id: 3/5



Top level	
Root	
Shaman Systems	
Sheet: /MOSFETS B/	
File: mosfets.kicad_sch	
<b>Title: Cheap FOCer 2</b>	
Size: A4	Date: 2020-04-08
KiCad E.D.A. 9.0.0	Rev: 0.9
	Id: 4/5



Top level	
Root	
Shaman Systems	
Sheet: /MOSFETS C/	
File: mosfets.kicad_sch	
<b>Title: Cheap FOCer 2</b>	
Size: A4	Date: 2020-04-08
KiCad E.D.A. 9.0.0	Rev: 0.9
	Id: 5/5