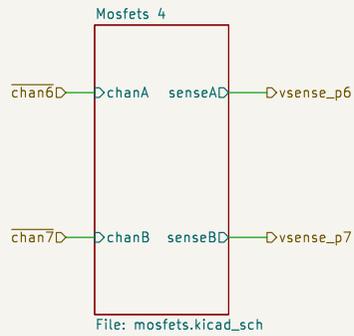
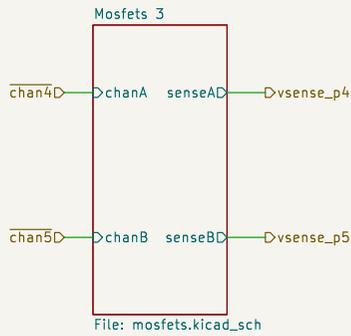
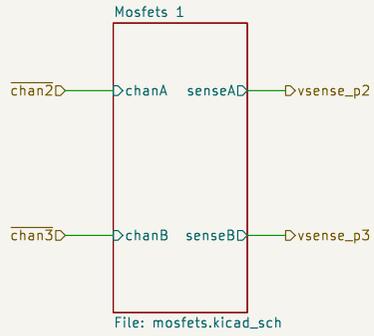
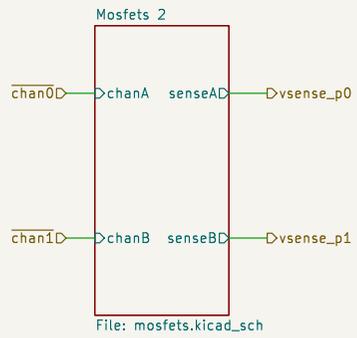


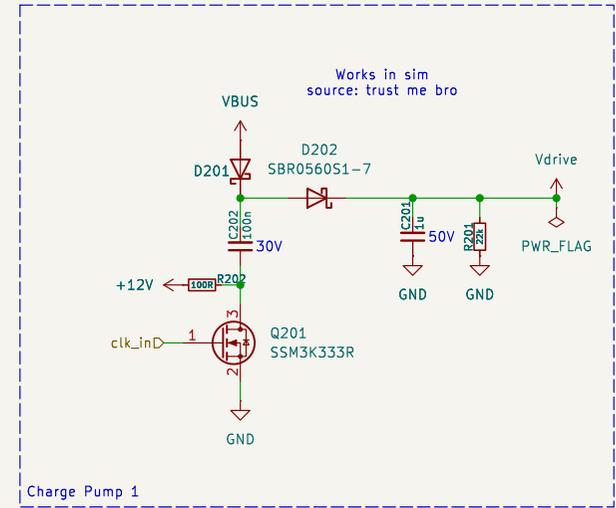
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Assume diode behaviour, i.e. exponential.
 From the data sheet, resistance is proportional to e^{-20t} .
 Take 1V range as being "linear region."
 Solving with RC we get 30ms.

Switching



Sheet: /Analog Stuff/
 File: gate_driver.kicad_sch

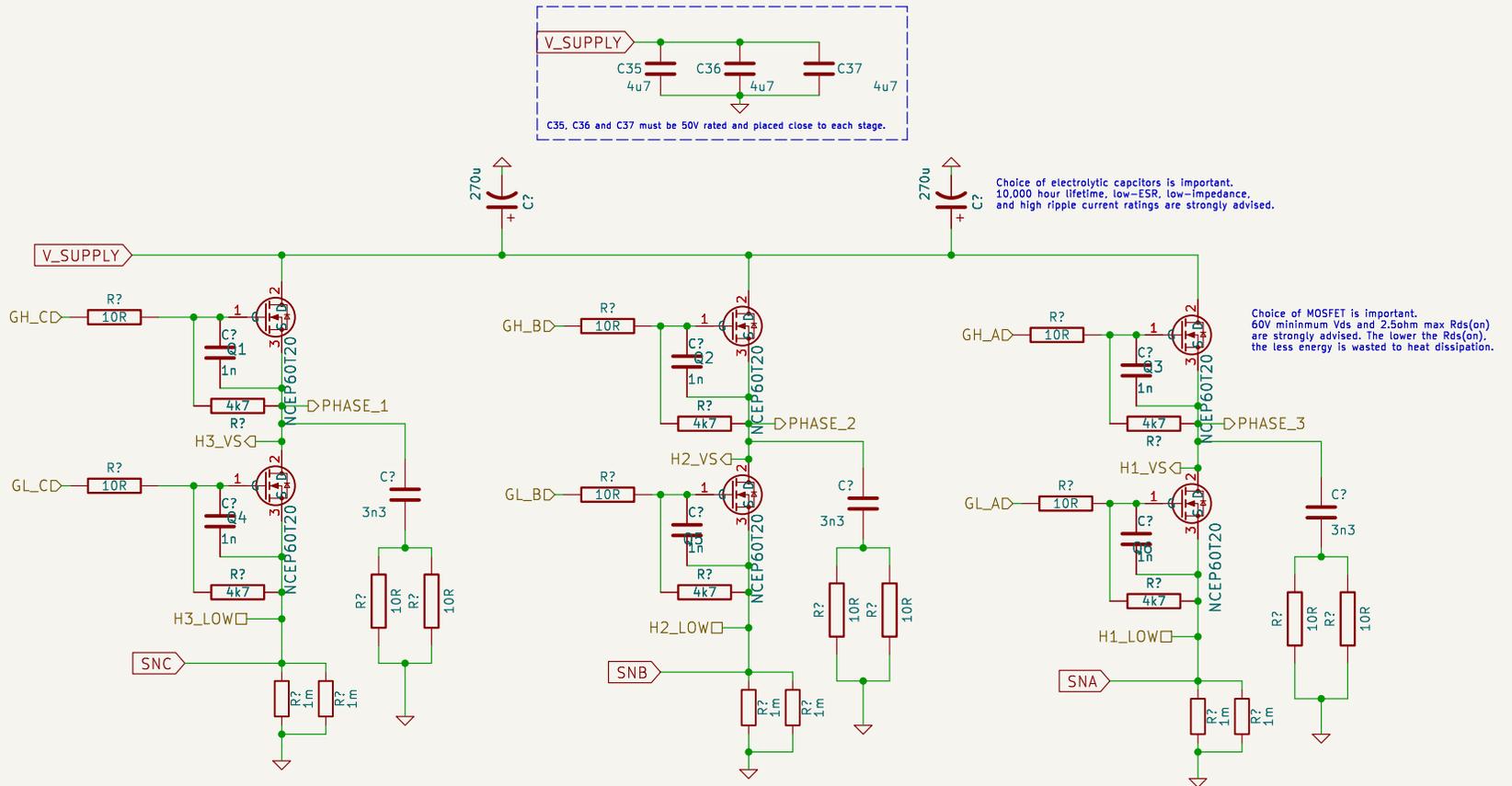
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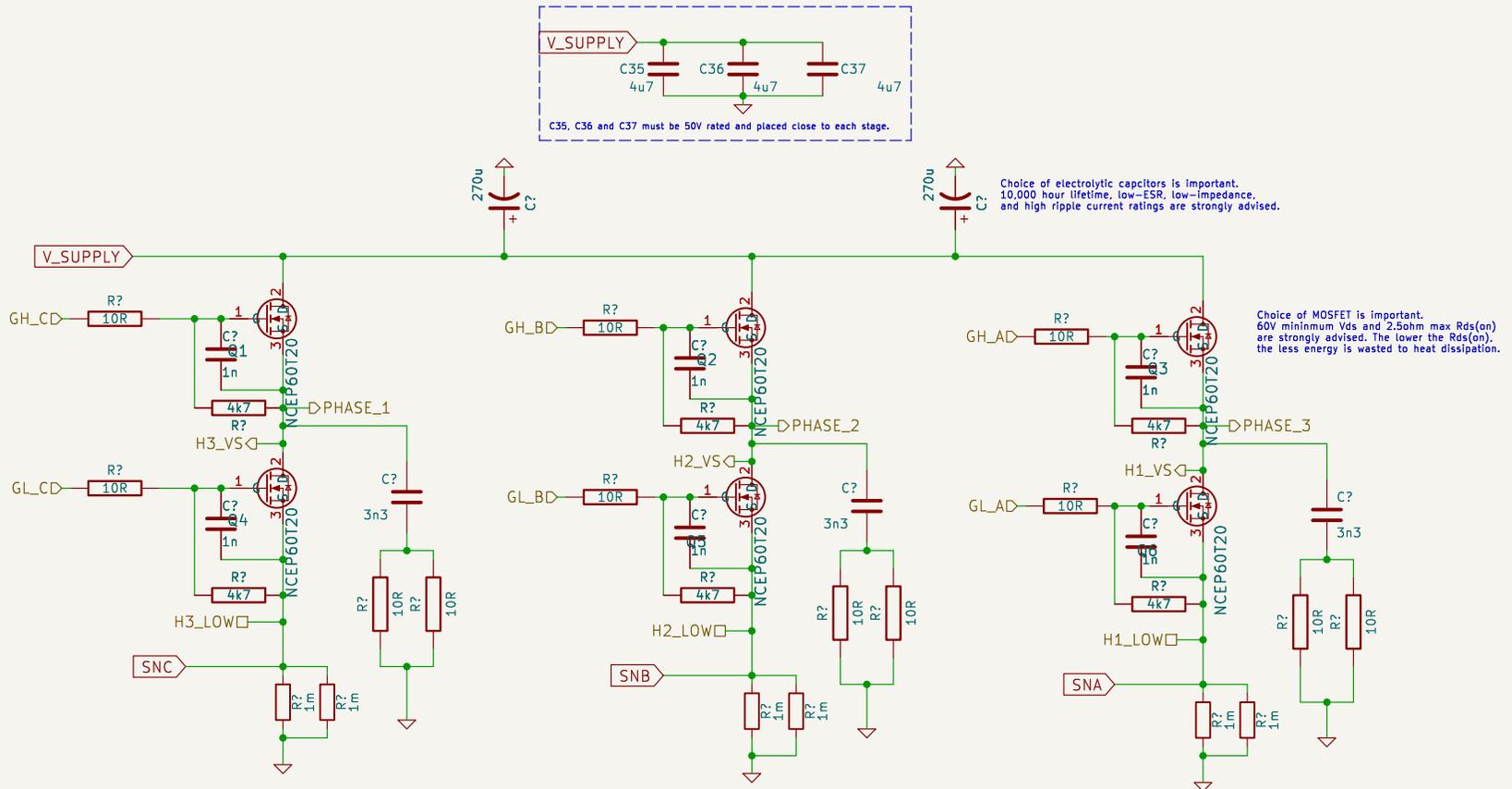
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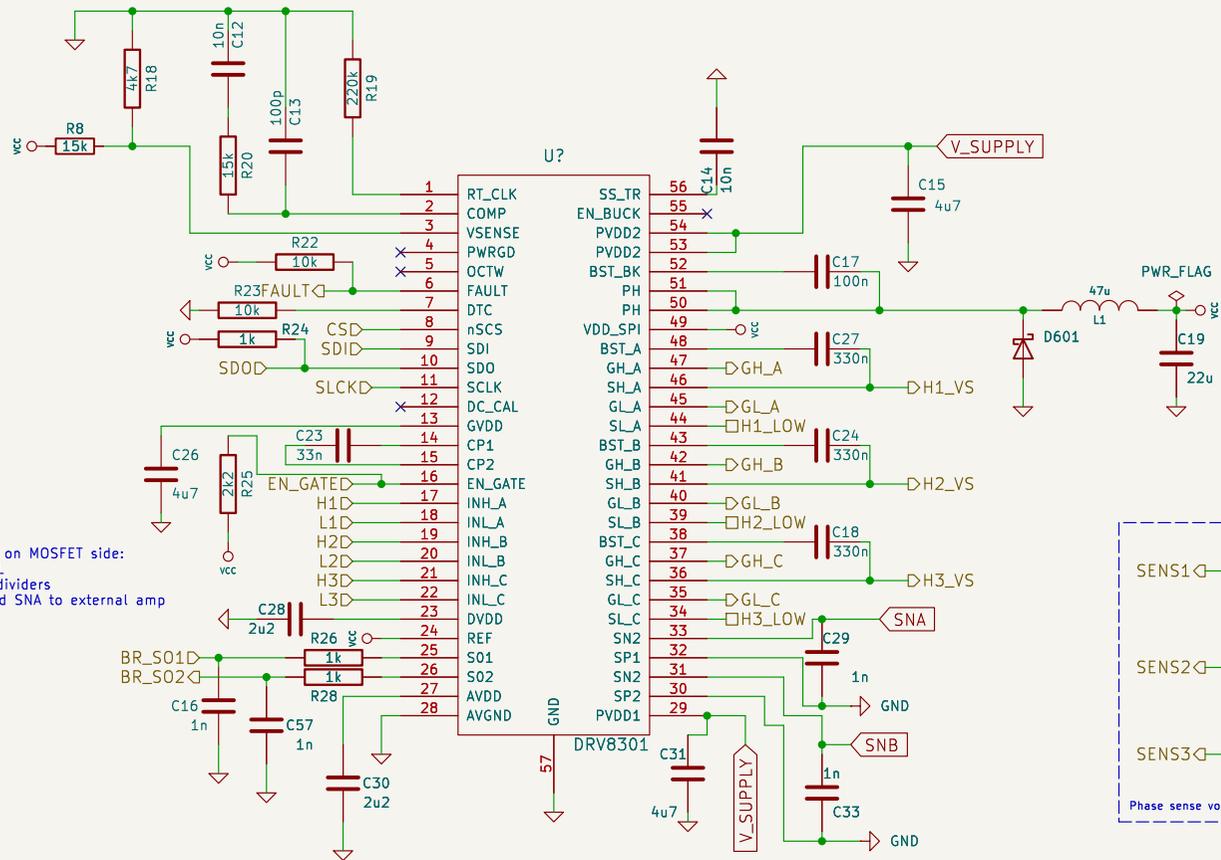
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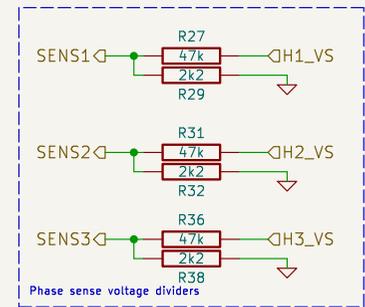
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Root	
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Size: A4	Date: 2020-04-08
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	Id: 3/7



Top level	
Root	
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Size: A4	Date: 2020-04-08
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	Id: 4/7

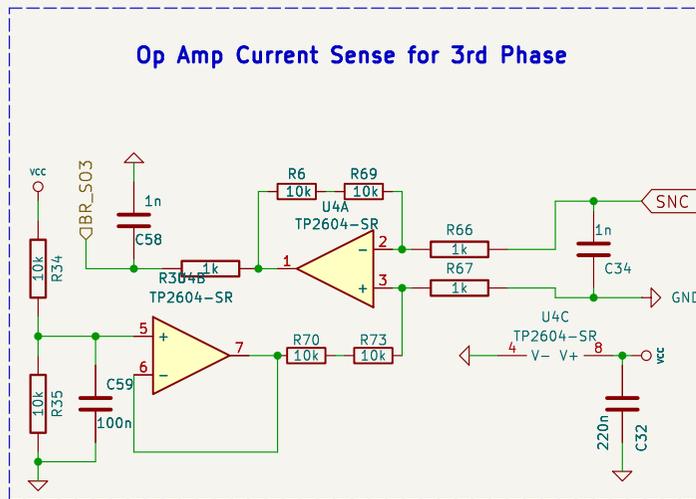


Phase 1 and 3 switched on MOSFET side:
 - Driver BST, GH, SH, GL, SL
 - Phase sense voltage dividers
 - SNC to driver amp and SNA to external amp

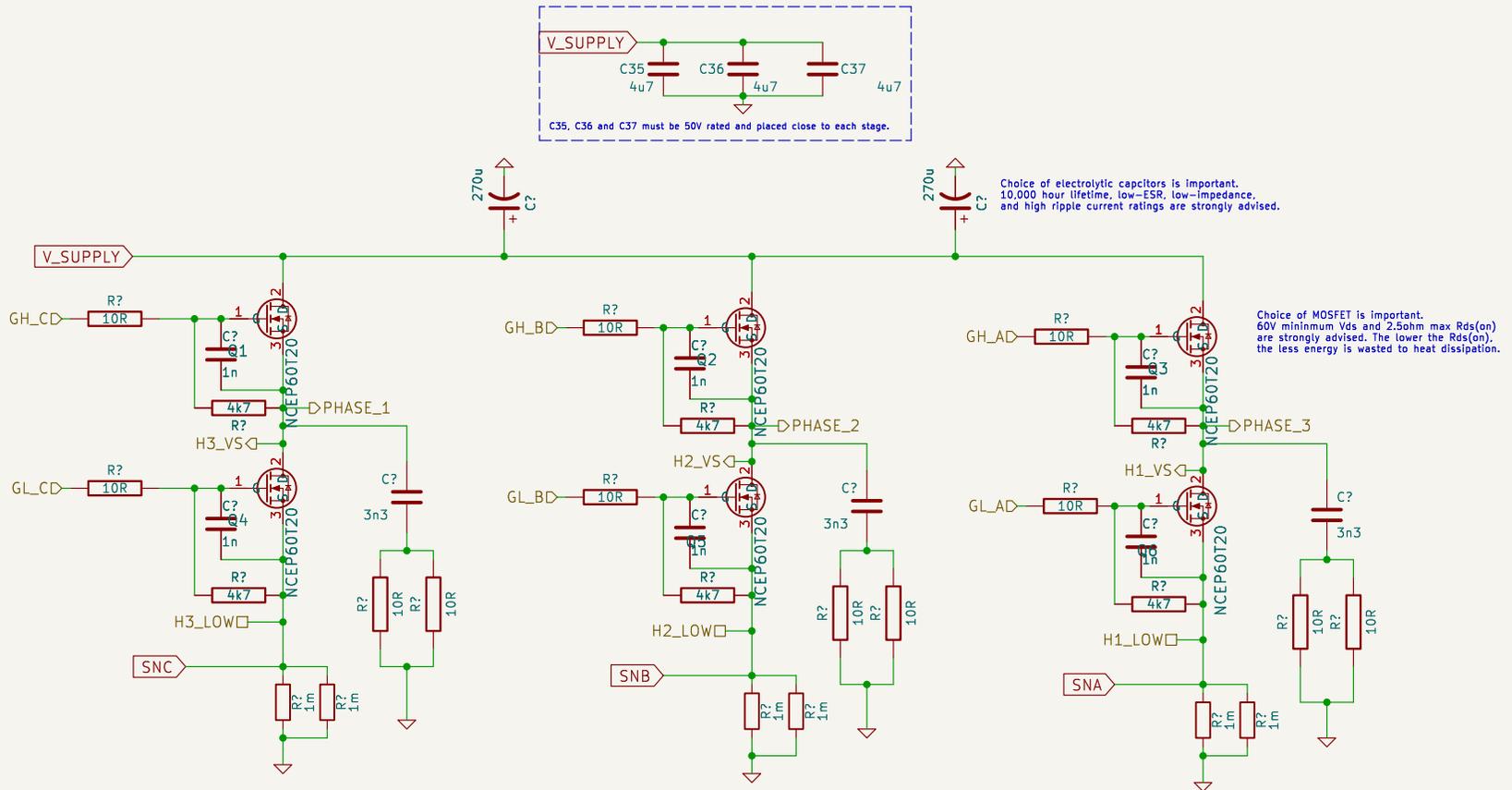


Change resistances used in code for voltage dividers

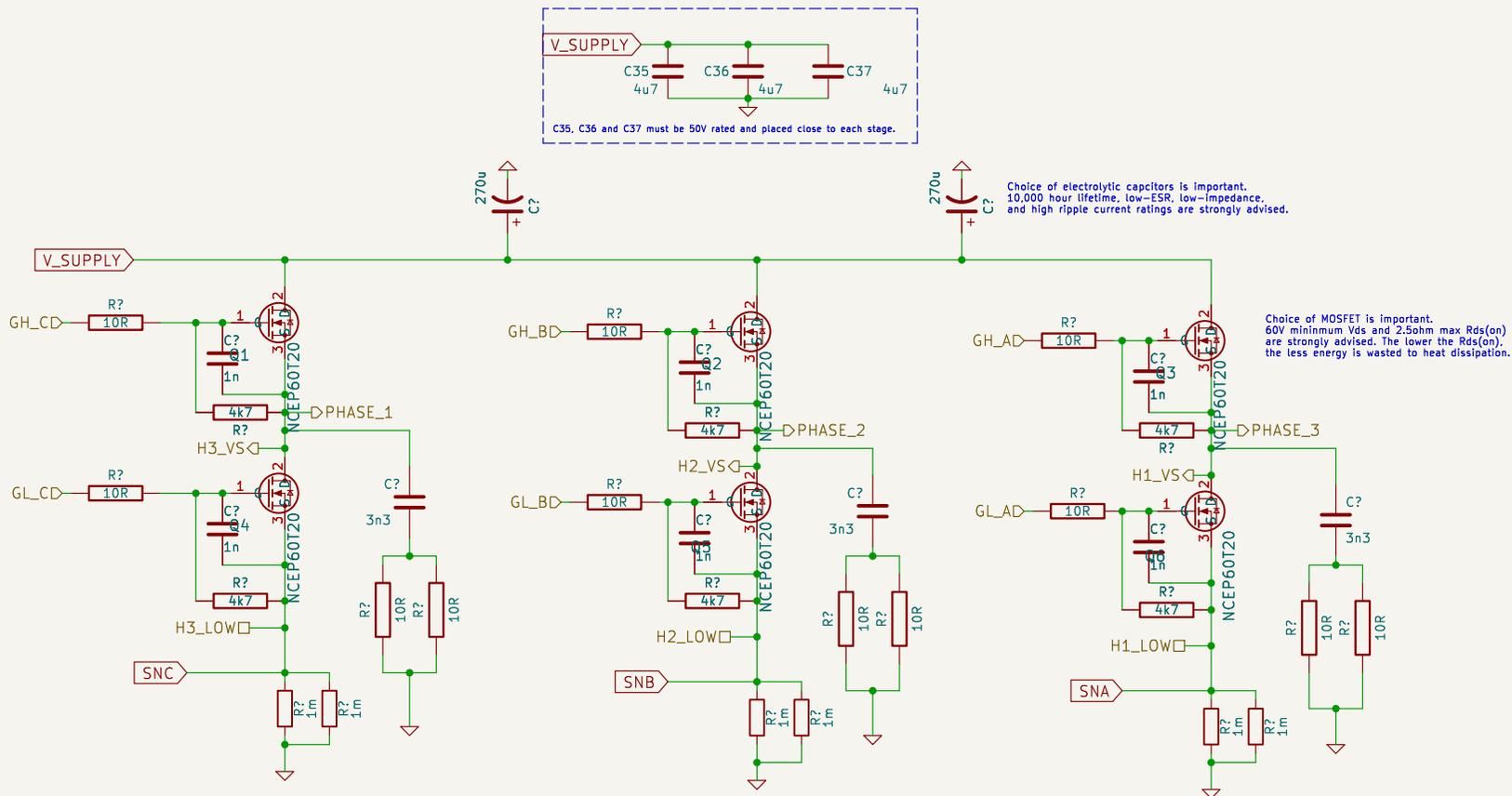
C15 and C31 must be 50V rated.
 C18, C24 and C27 must be 25V rated.



Top level	
Root	
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Size: A4	Date: 2020-04-08
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	Id: 5/7



Top level	
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Size: A4	Date: 2020-04-08
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	Id: 5/7



Top level	
Root	
Shaman Systems	
Sheet: /Analog Stuff/Mosfets 4/	
File: mosfets.kicad_sch	
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Size: A4	Date: 2020-04-08
KiCad E.D.A. 9.0.0	Rev: 0.9
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