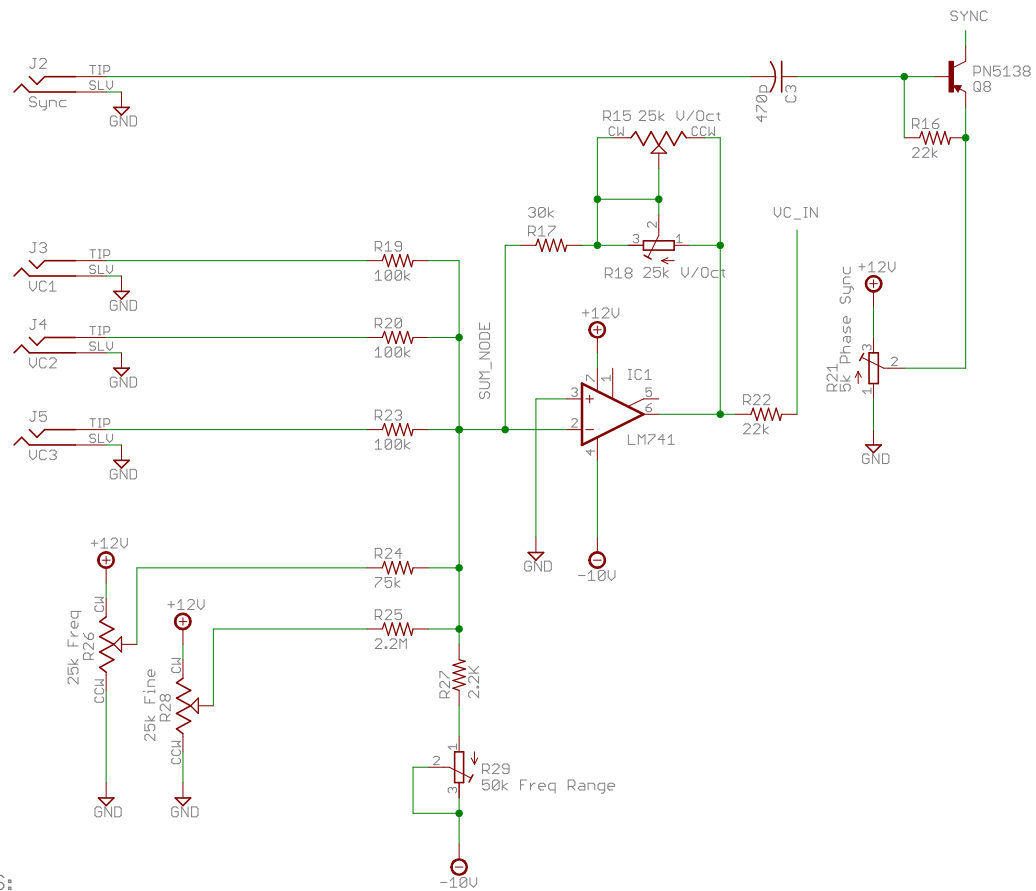


**NOTES:**

- Use either the PNP in the THAT340 or matched NPNs for Q6 and a 2N5138 PNP for Q3. DO NOT INSTALL Q3 IF A THAT340 IS USED!
- R8, R14 - 8.2K; R3 - 3.9K; R1 - 22K use RN55E, 0.1% if desired.
- R13 and Q6 (the NPN matched pairs) and Q3 should be in thermal contact.
- If a discrete matched NPN pair is used, be sure the pair is in physical and thermal contact with Q3 and R13.
- If a THAT340 is used, Q3 is not installed and mount R13 over the top of the THAT340 with thermal grease.
- Q7 can be a monolithic pair like SSM2210 or matched/unmatched NPNs

The VCO uses only +12 and -10 so don't install the extra filter capacitors and resistors.  
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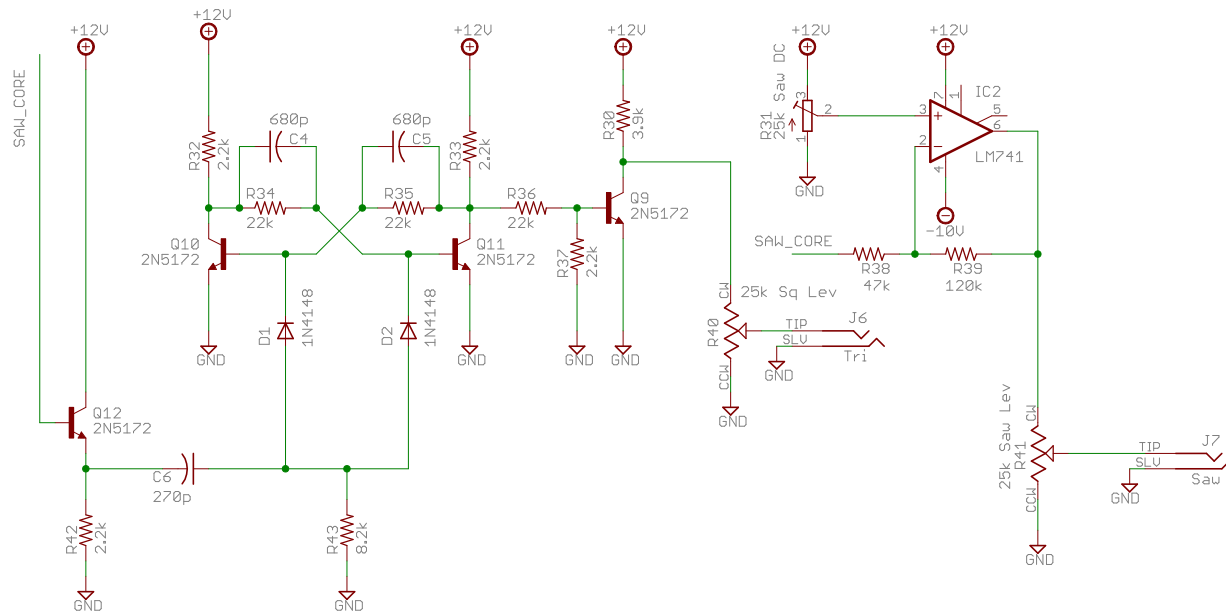


**NOTES:**

All 100K input resistors should be matched to 0.1% or better to match the U/Oct response for all inputs

Install either R15 or R18, not both. R15 is for a panel mount trimmer. R18 is if you want the trimmer on the PCB.

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