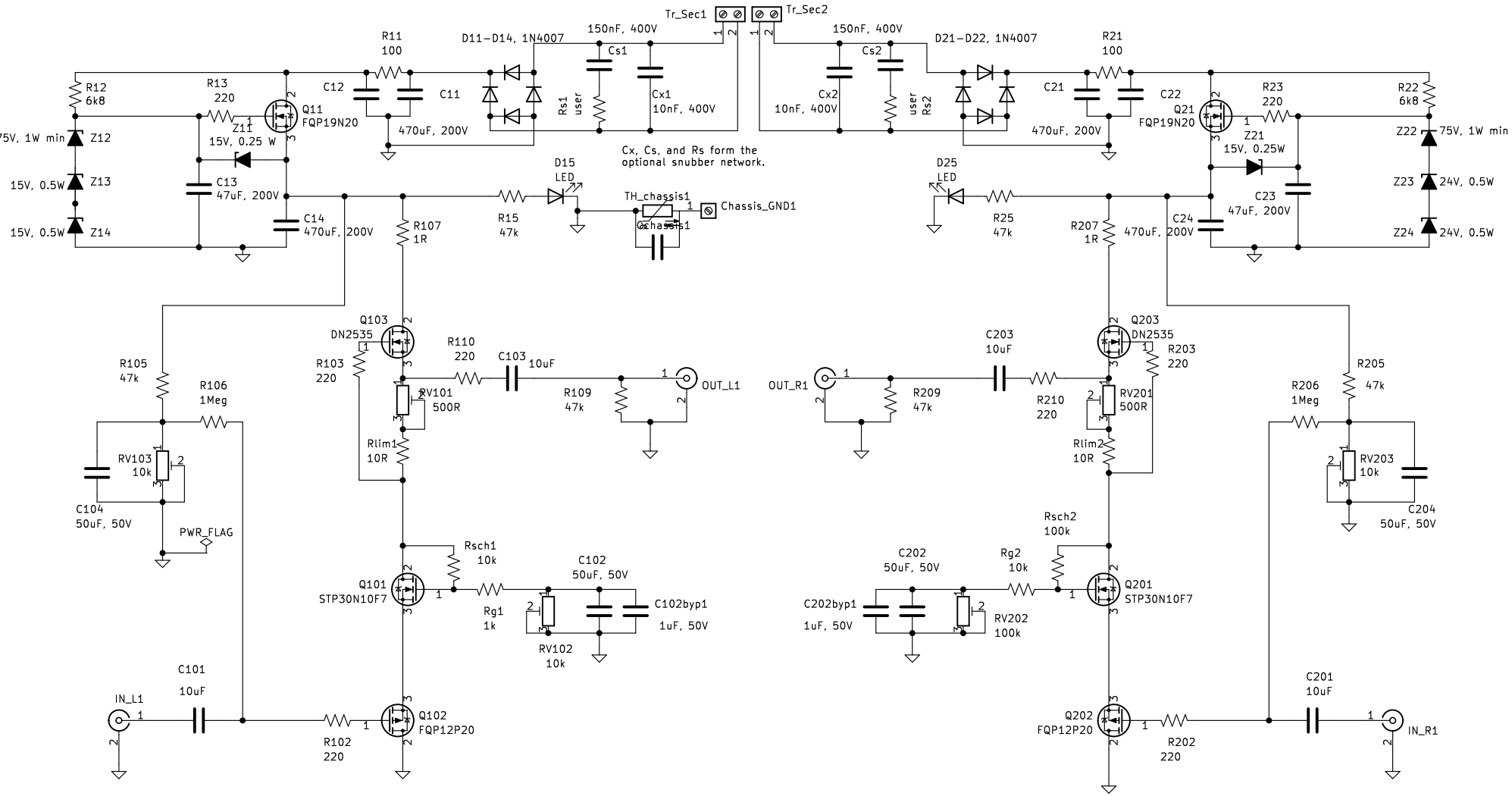

Notes:
1. Power supply parts numbered 1X and 2X for channel 1 and 2, respectively. Other circuit parts numbered 1XX and 2XX for channel 1 and 2, respectively.
2. Snubber circuit (Rs, Cs, Cx): optional snubber circuit. Rs value must be selected using Quasimodo app note by Mark Johnson. Check diyAudio pages.
3. Zener string (Z12, Z13, Z14) must total between 100V to 130V. Be sure that each zener can carry the dissipation. Current through zener string = (Vd,Q11–Vzener_string)/R12. For example, if the voltage at the drain of Q11 is 160V and the zener string totals to 130V, then current through zener string = (160–130)/6k8.
4. C101 can be smaller than 10uF. Check low pass with R106.
5. C102 can be any value larger than 47 uF that fits. C102byp should be a polypropylene or similar. Any value >= 0.22 uF.

Schematic design and drawing by Rahul Athalye.
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Title: SCG Preamp

Size: A4	Date: 2022-10-30	**Rev: 3.1**
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