

## Appendix

### Printed Circuit Board Drawings

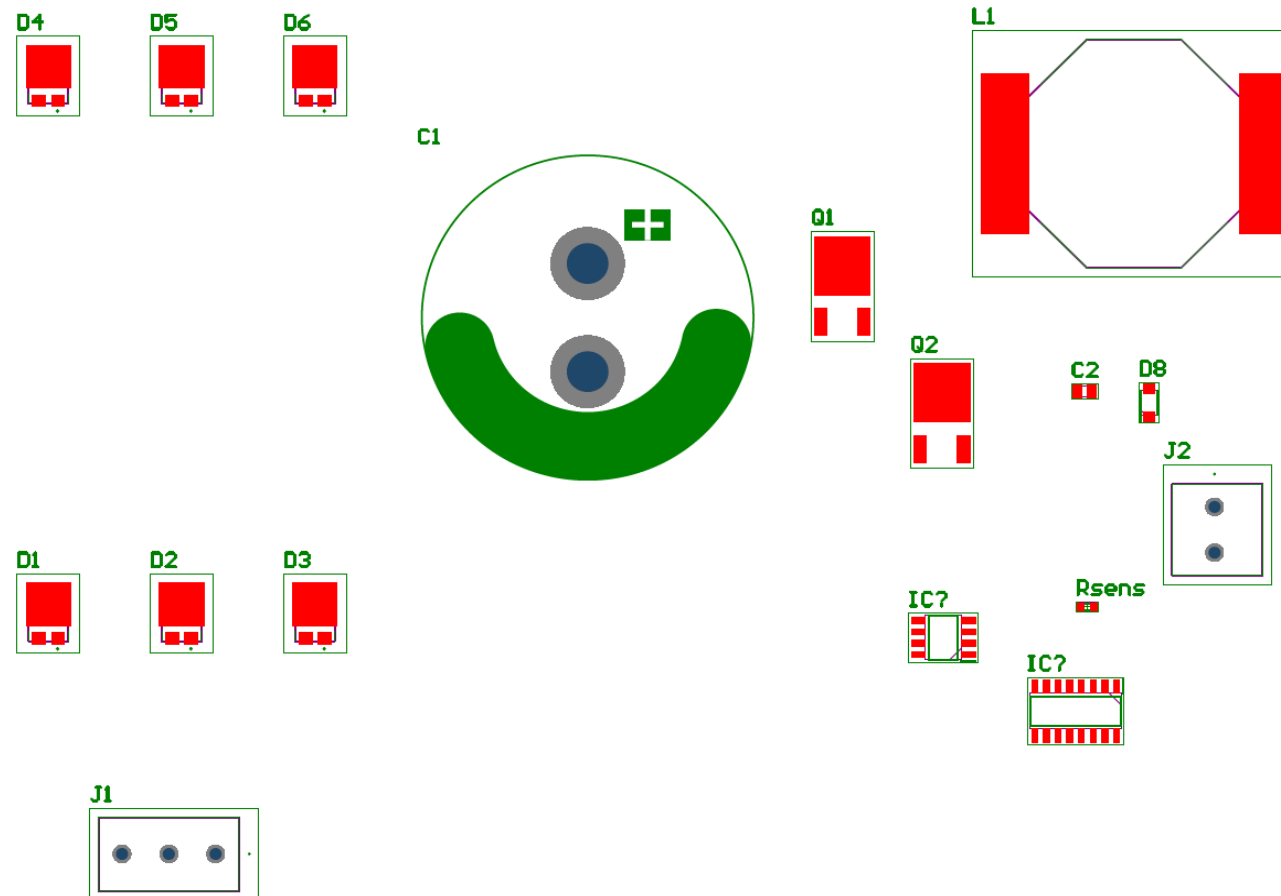


Figure 1. Approximate distribution of Components on PCB (The PCB limits are not shown for demonstration)

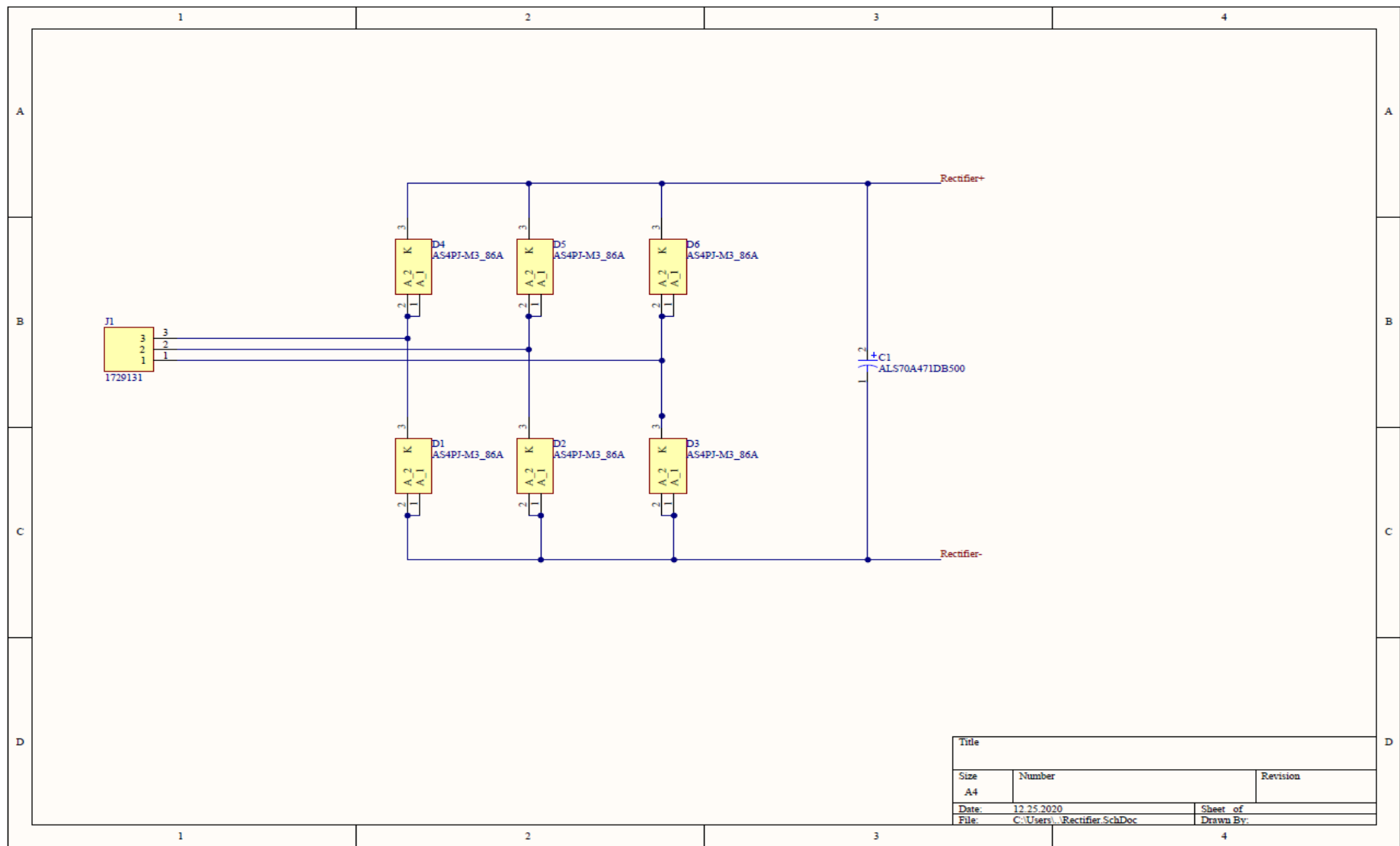


Figure 2. Completed Schematic of rectifier circuit

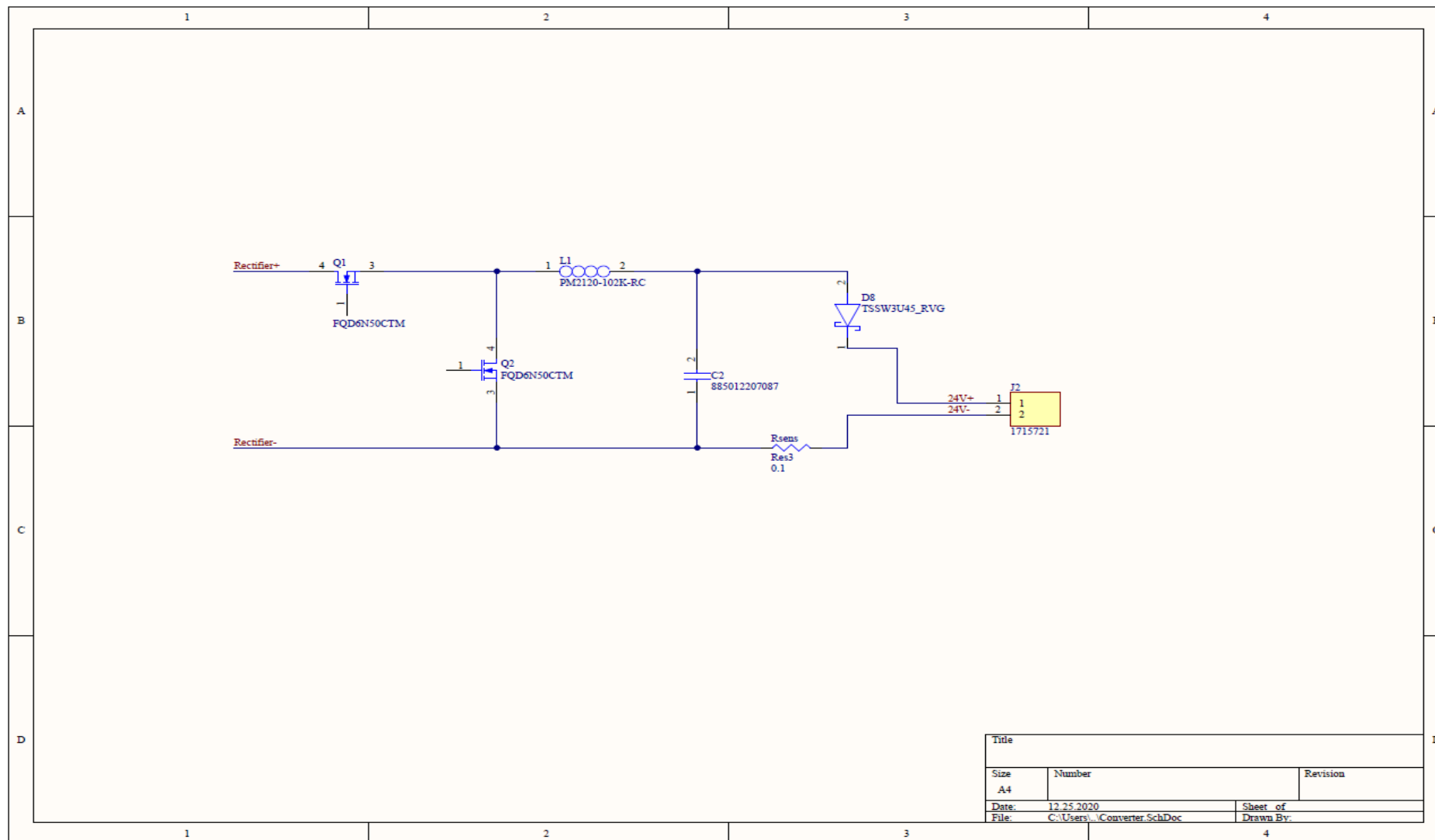


Figure 3. Schematic of Buck Converter circuit (Current sense is missing)

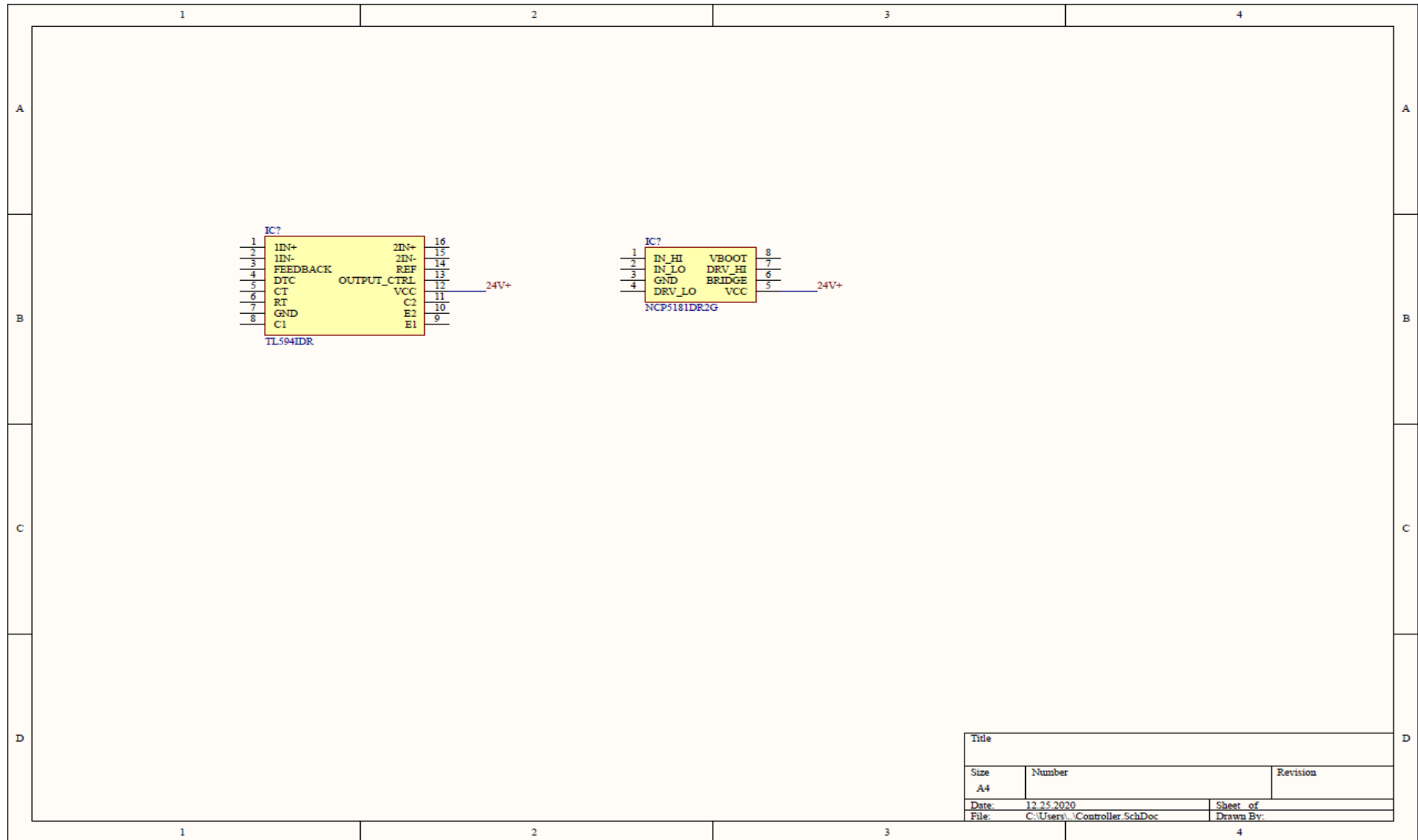


Figure 4. Schematic of Controller with only Integrated Circuits