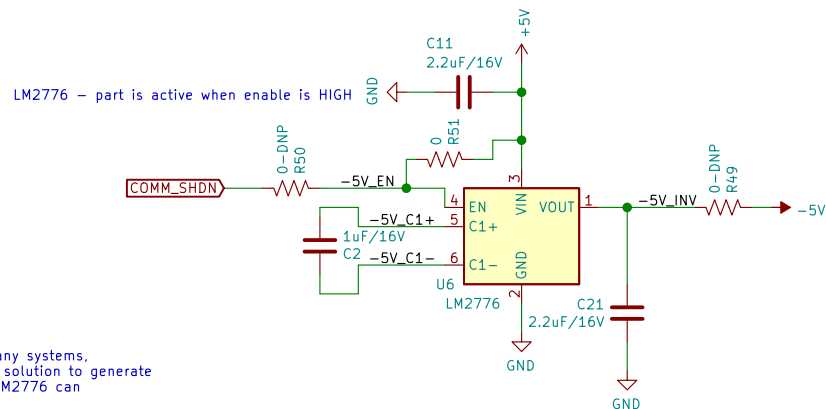
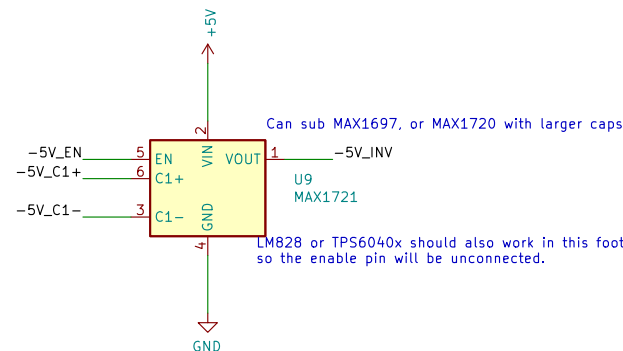
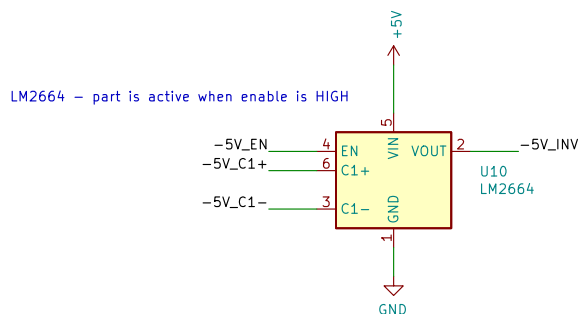


R48 or R49 should only be populated if using a transceiver without an integrated charge pump, such as the SN75LBC771DW.

R48 or R49 should never be populated at the same time. On many systems, a negative rail is available, so the L7905 is a cheap and simple solution to generate -5V. On systems without a negative voltage rail available, the LM2776 can generate -5V by inverting the +5V rail.



Since components are hard to come by in 2021, and manufacturers can't seem to agree on a common footprint for a simple device, here are some alternate footprints so you can use whatever you can get ahold of. Only populate one of (U6, U9, U10)!



LM828 or TPS6040x should also work in this footprint. They are 5-pin devices, so the enable pin will be unconnected.

Sheet: /power/  
File: power.sch

**Title:**

Size: A4

Date:

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