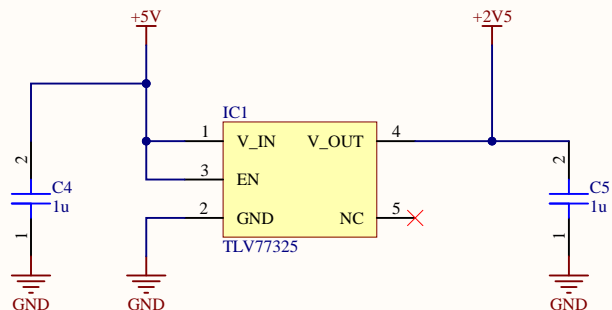
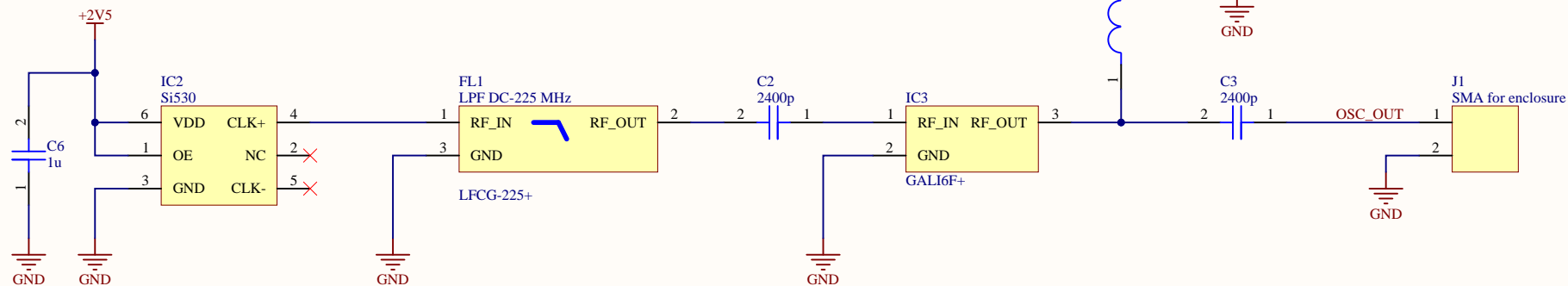


Absolute maximum input voltage is 6.5V



An input capacitor is not required for LDO stability. However, an input capacitor with an effective value of 0.47µF minimum is recommended to counteract the effect of source resistance and inductance, which in some cases causes symptoms of system-level instability such as ringing or oscillation, especially in the presence of load transients. Depending on the characteristics of the input voltage source, use a larger input capacitance if needed.

Effective output capacitance of 0.47µF minimum and 40µF maximum is required for stability. The effective output capacitance accounts for tolerance, temperature, voltage, and any other factors that affect the value, and is often 50% smaller than the capacitors specified value.



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