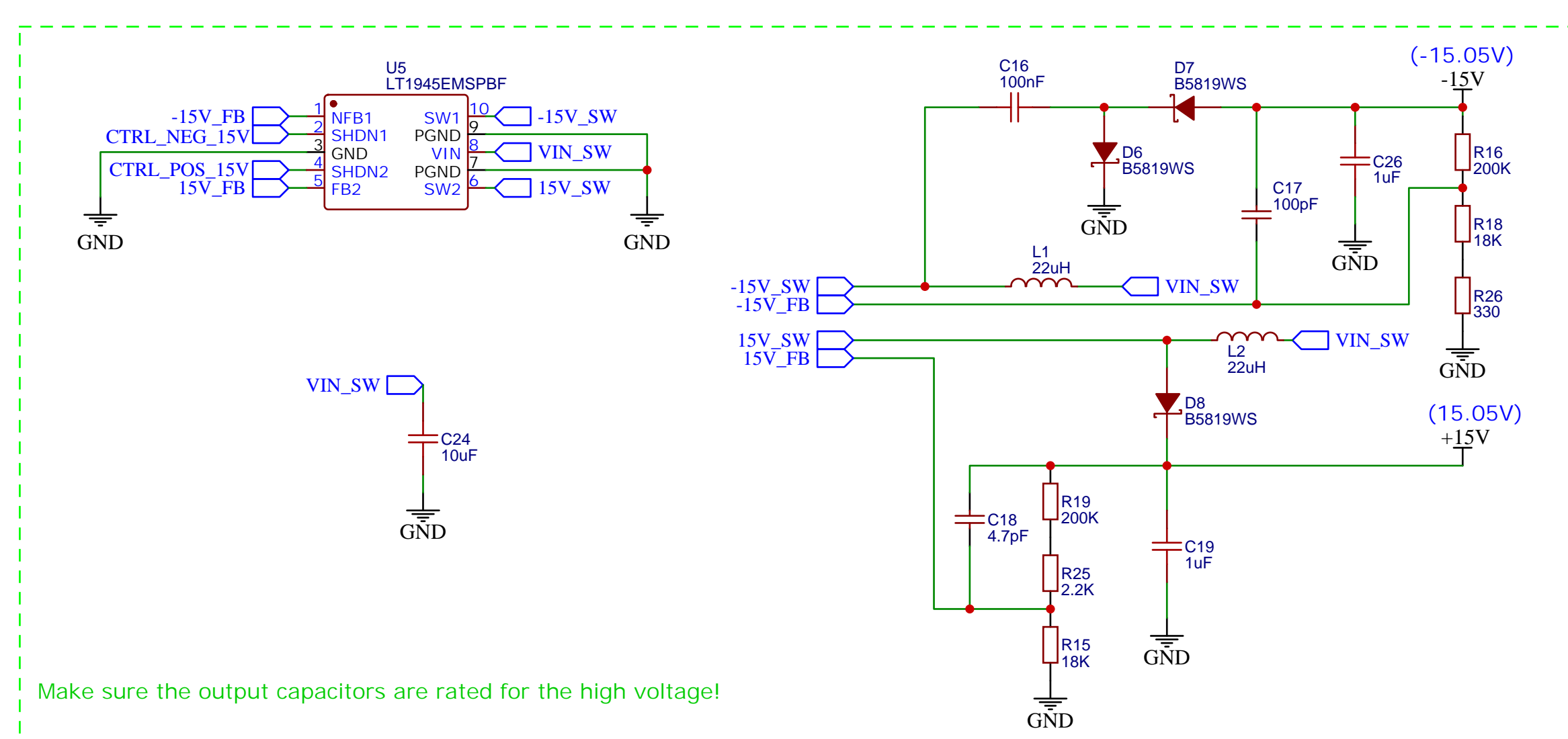
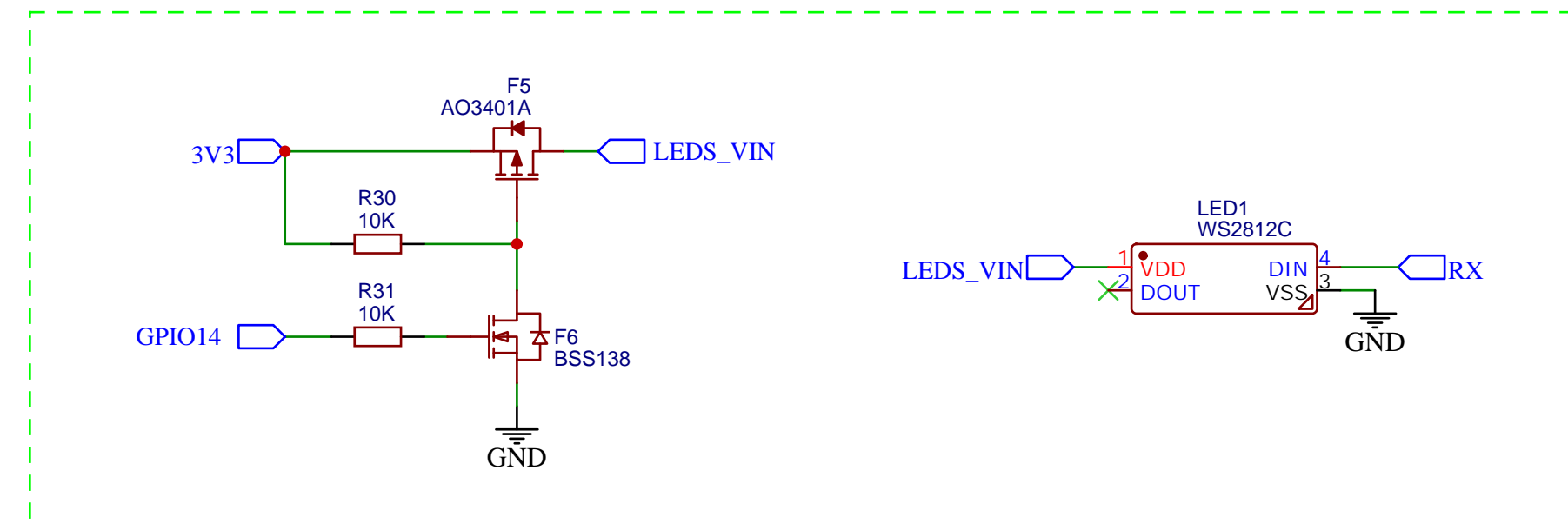


Choose one R32 or R42 (R32 is 0603, R42 is 0402 package)

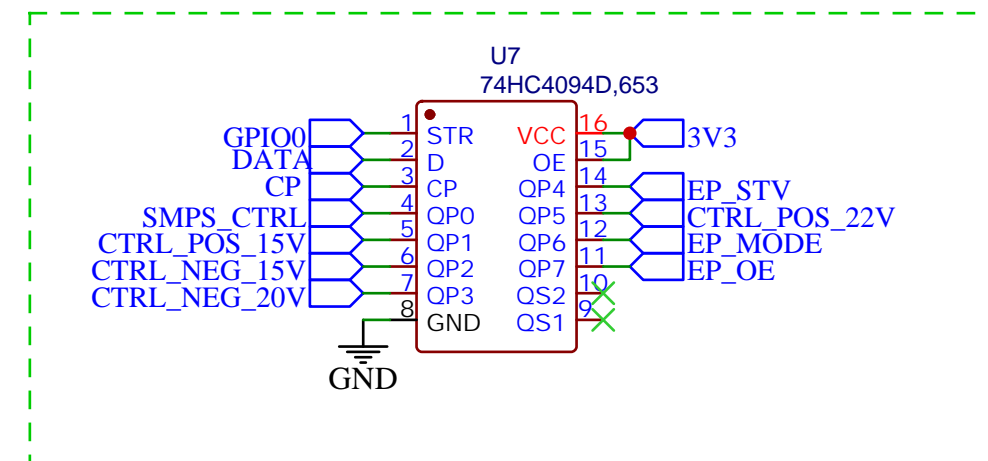


Make sure the output capacitors are rated for the high voltage!

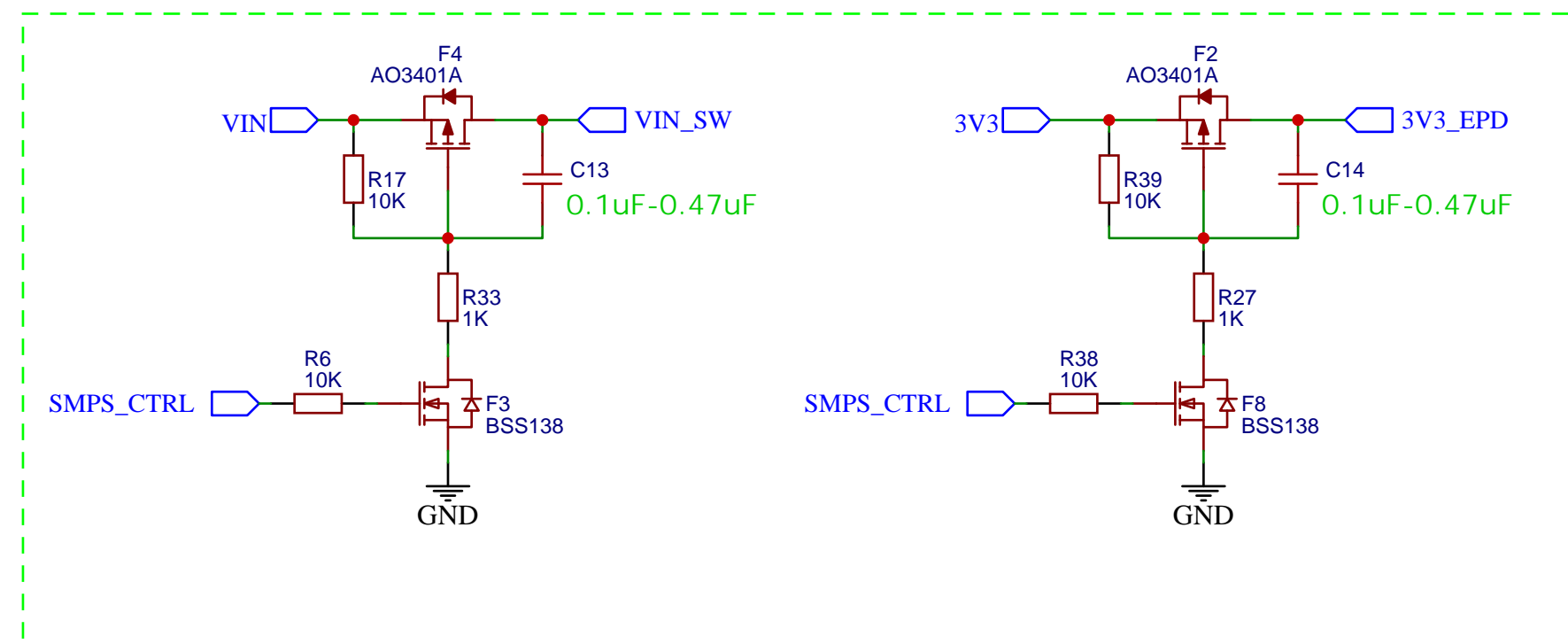
WS2812 regulator + switch for low power



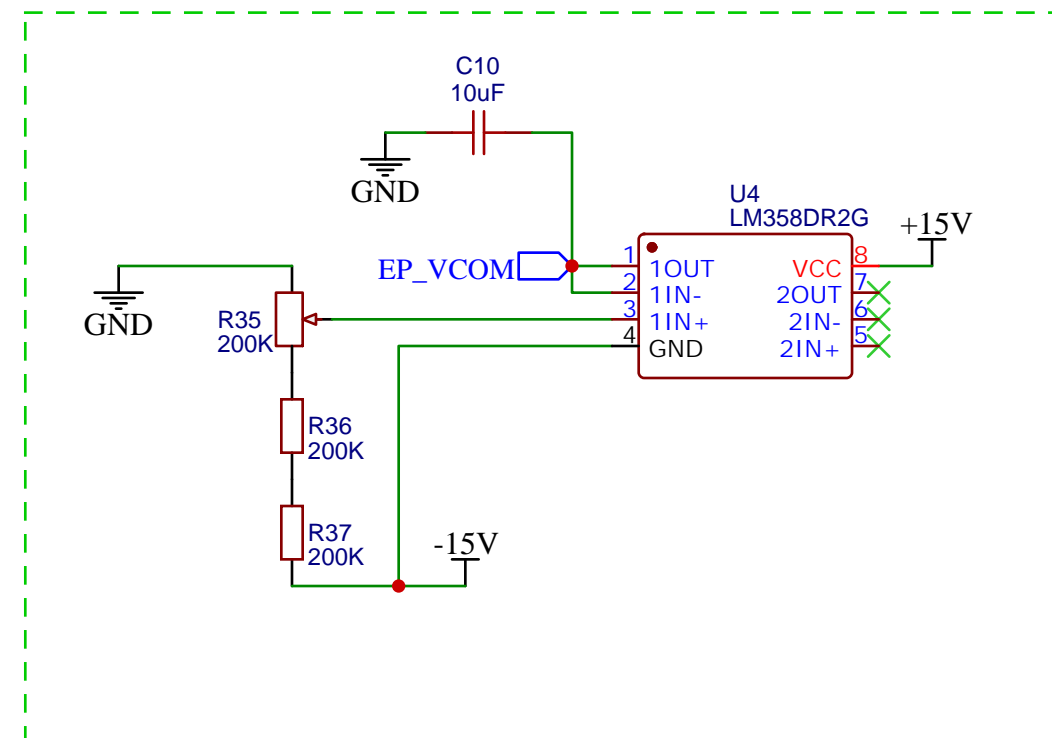
Shift register



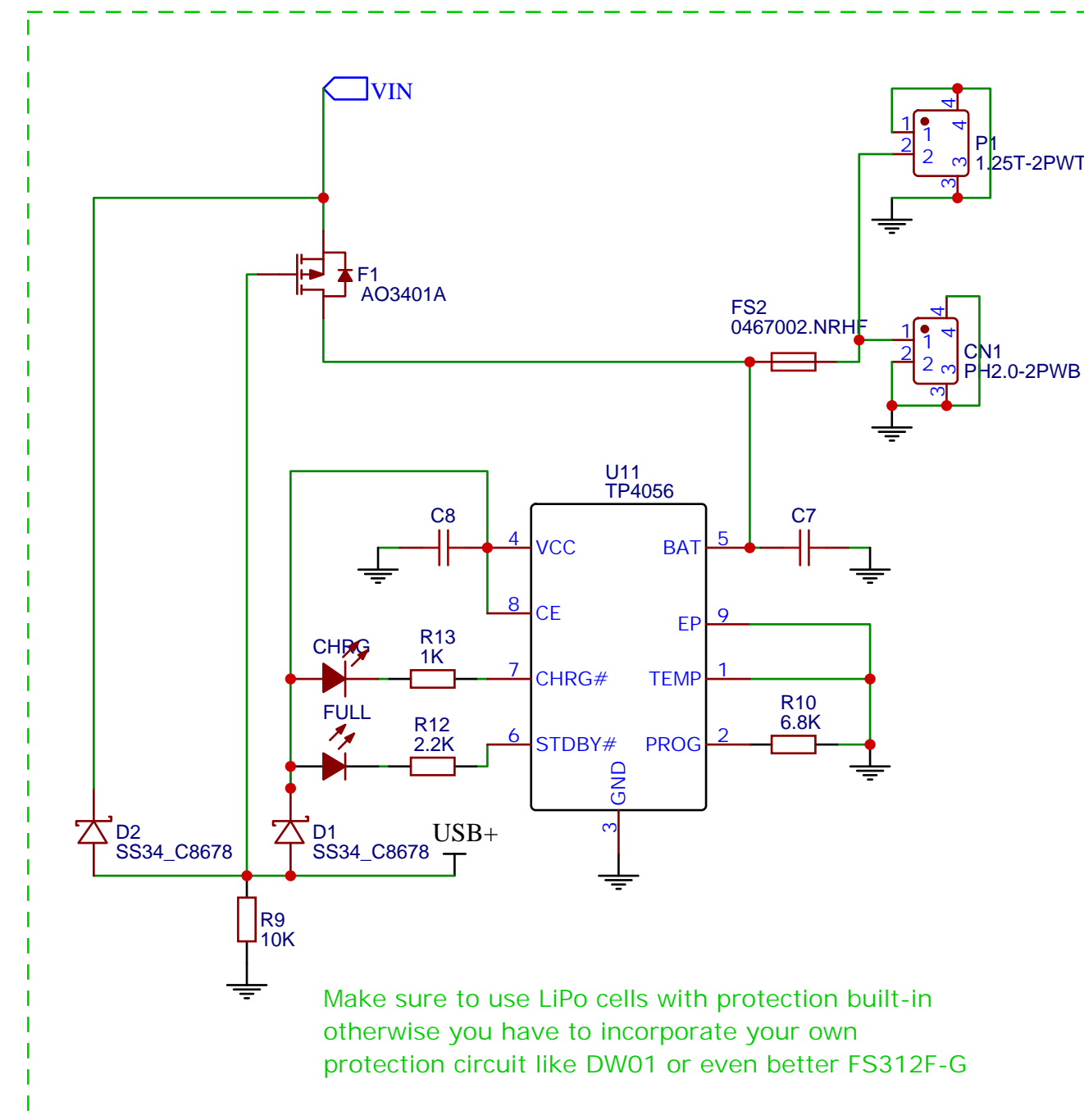
EPD 3.3V, 20V, 15V regulators power switch



VCOM

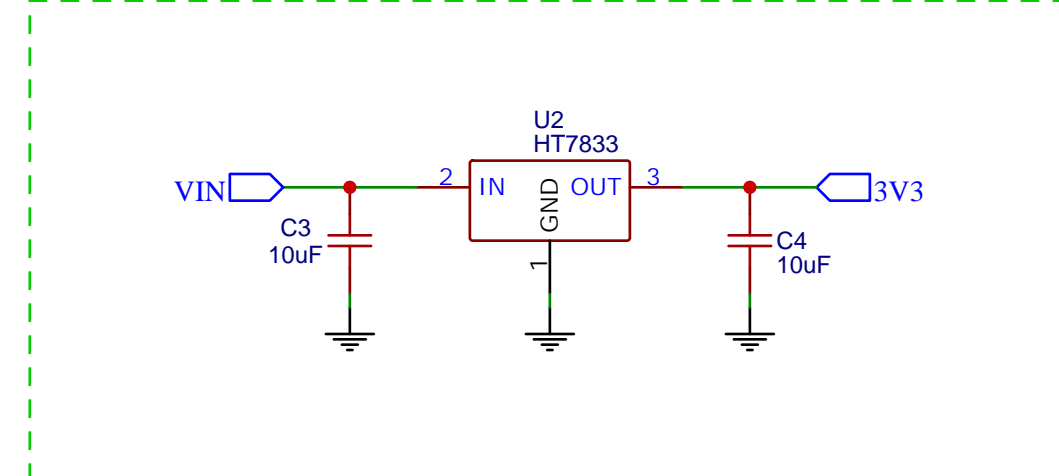


CHARGING

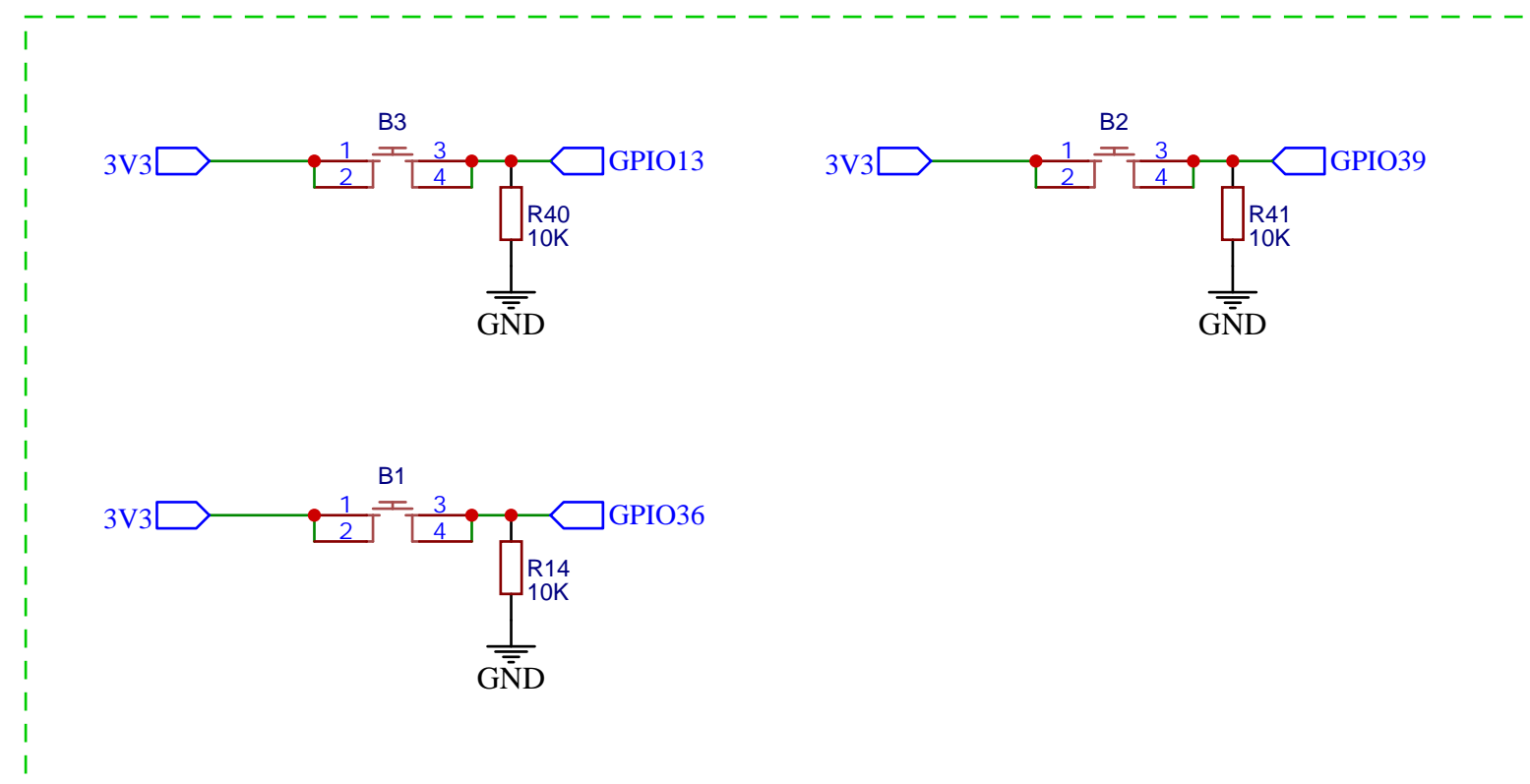


Make sure to use LiPo cells with protection built-in otherwise you have to incorporate your own protection circuit like DW01 or even better FS312F

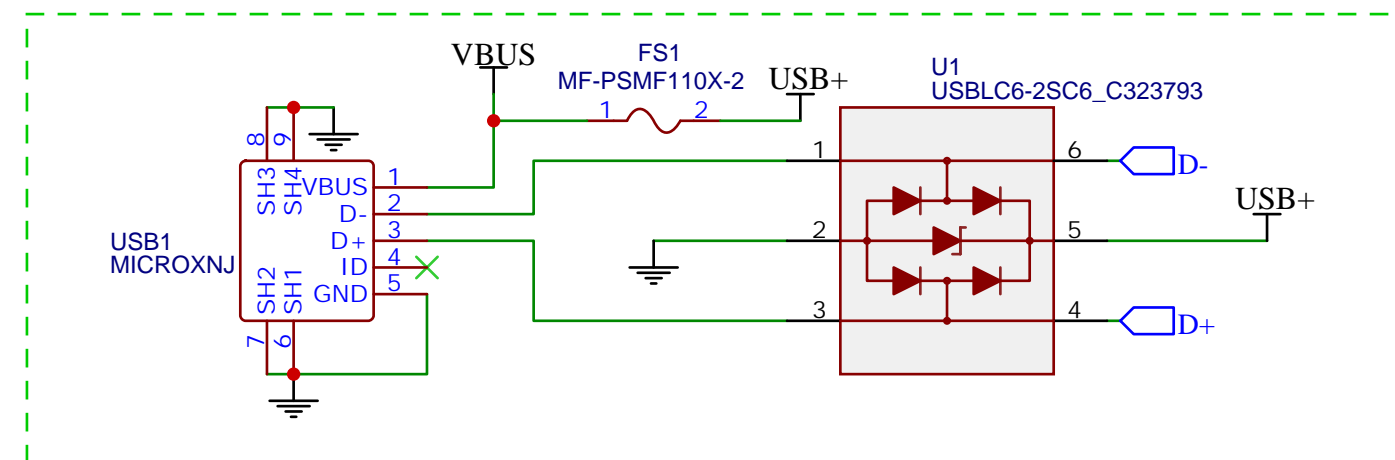
3.3V LDO



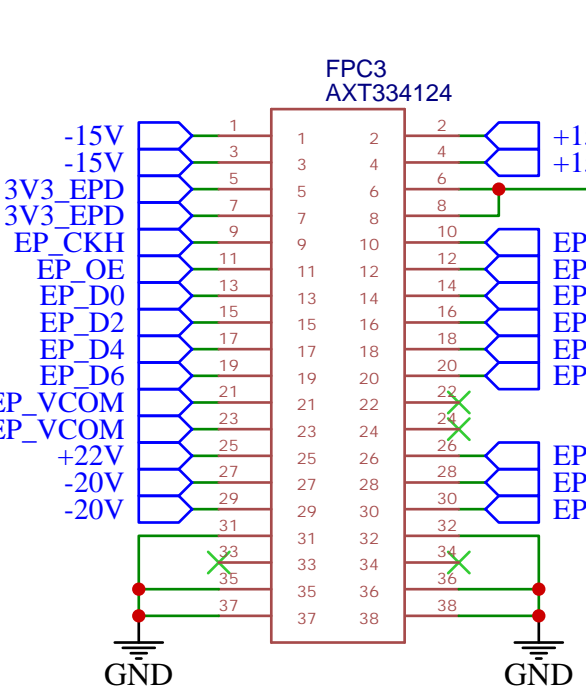
Buttons



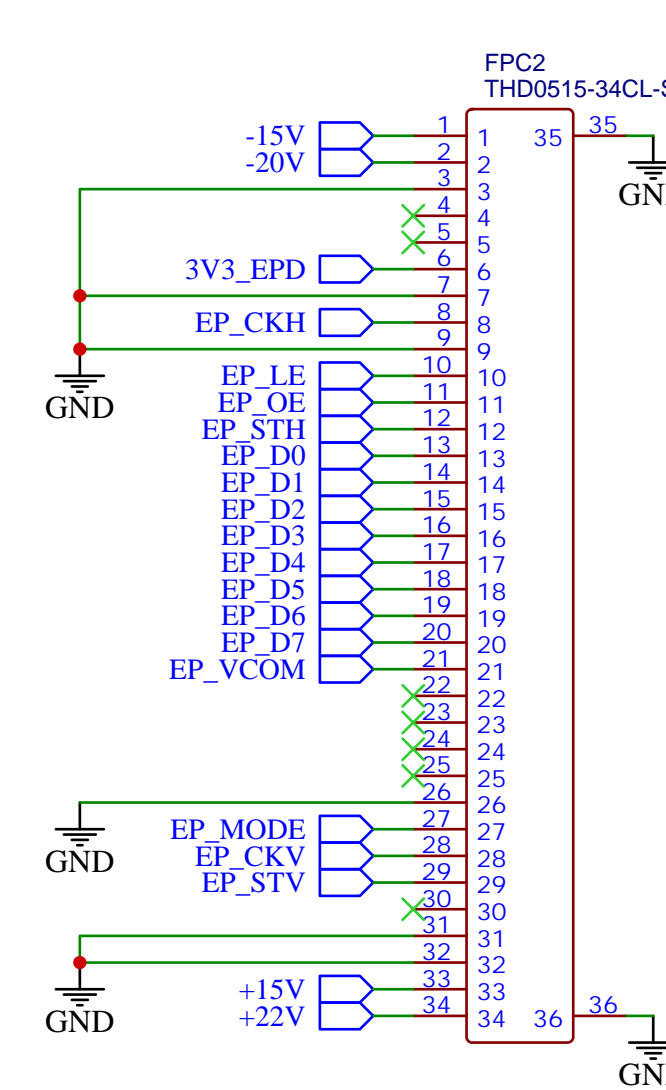
ESD protection



ED060SC7,ED060SCE,ED060SCM

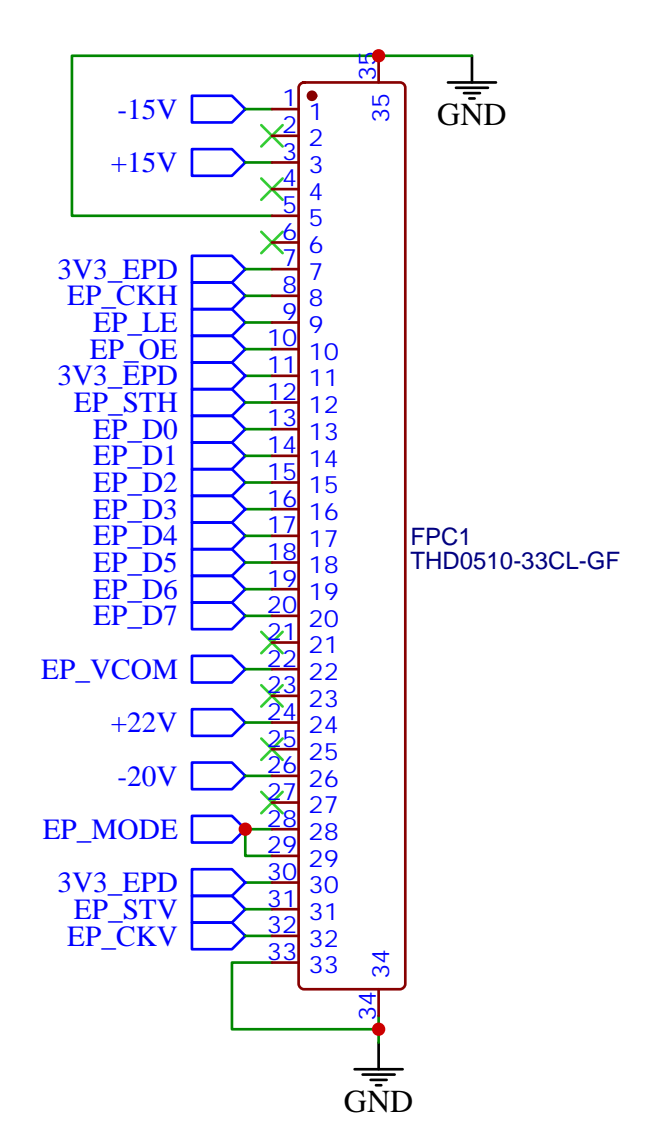


ED060XC3, ED060XC5, ED060XD4



LCSC C424660 recommended

ED097OC1, ED097OC4, ED097TC2



LCSC C283130 fits as well + it's alot cheaper

USB to SERIAL + auto-reset

