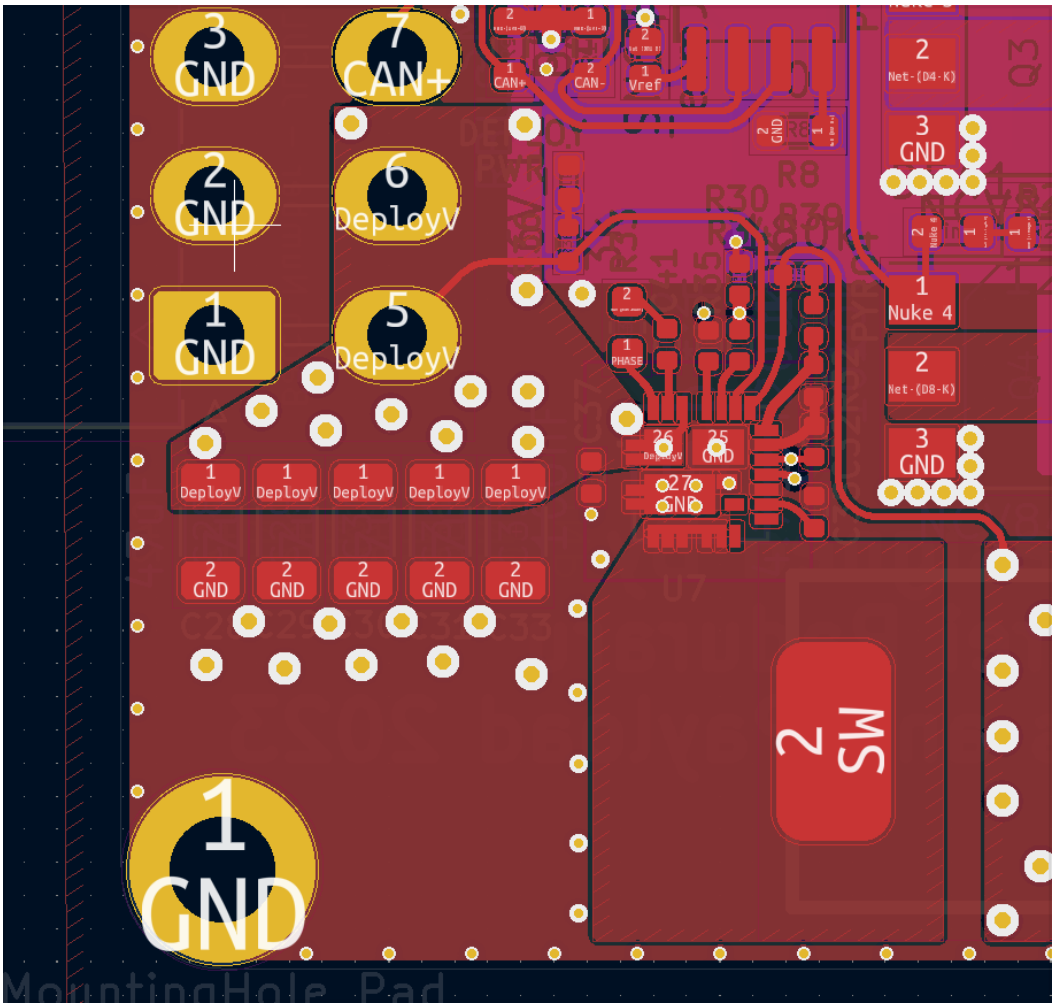
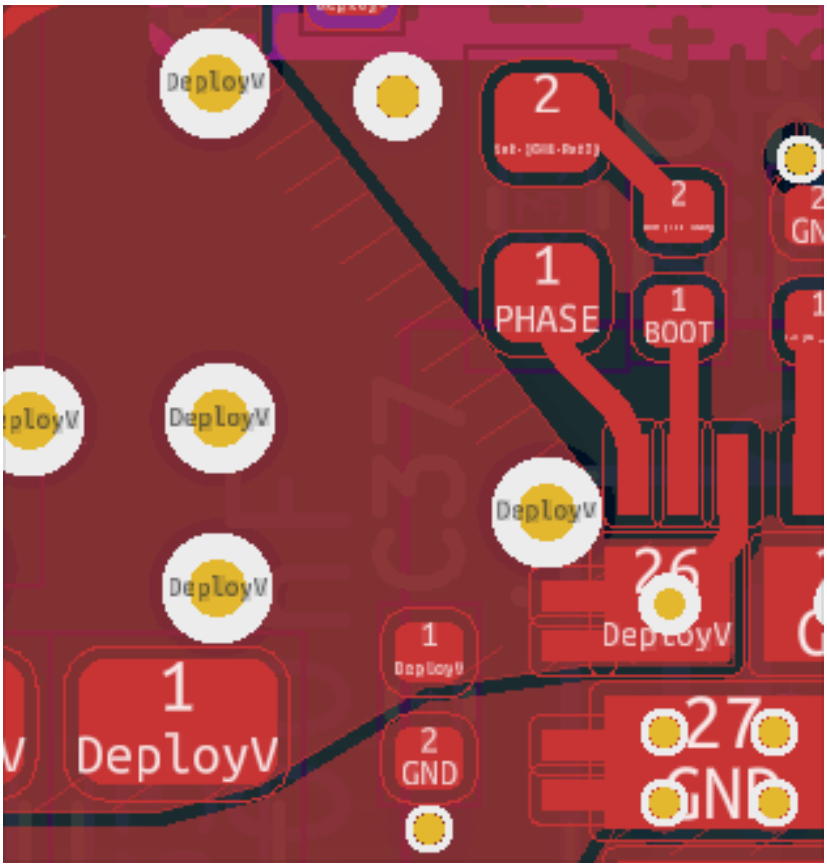
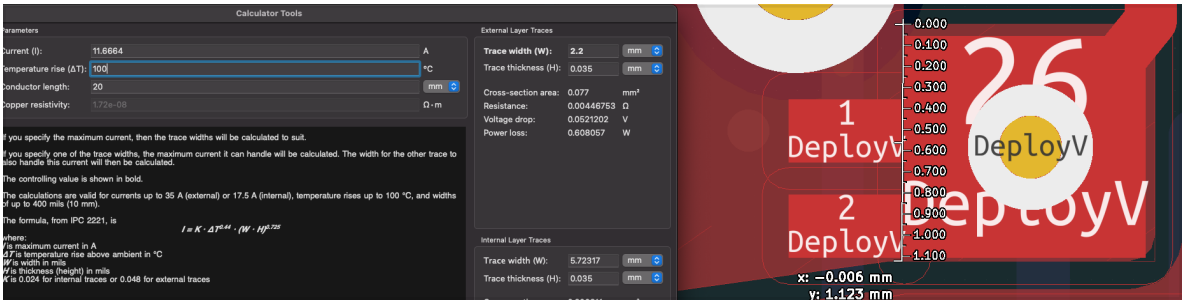


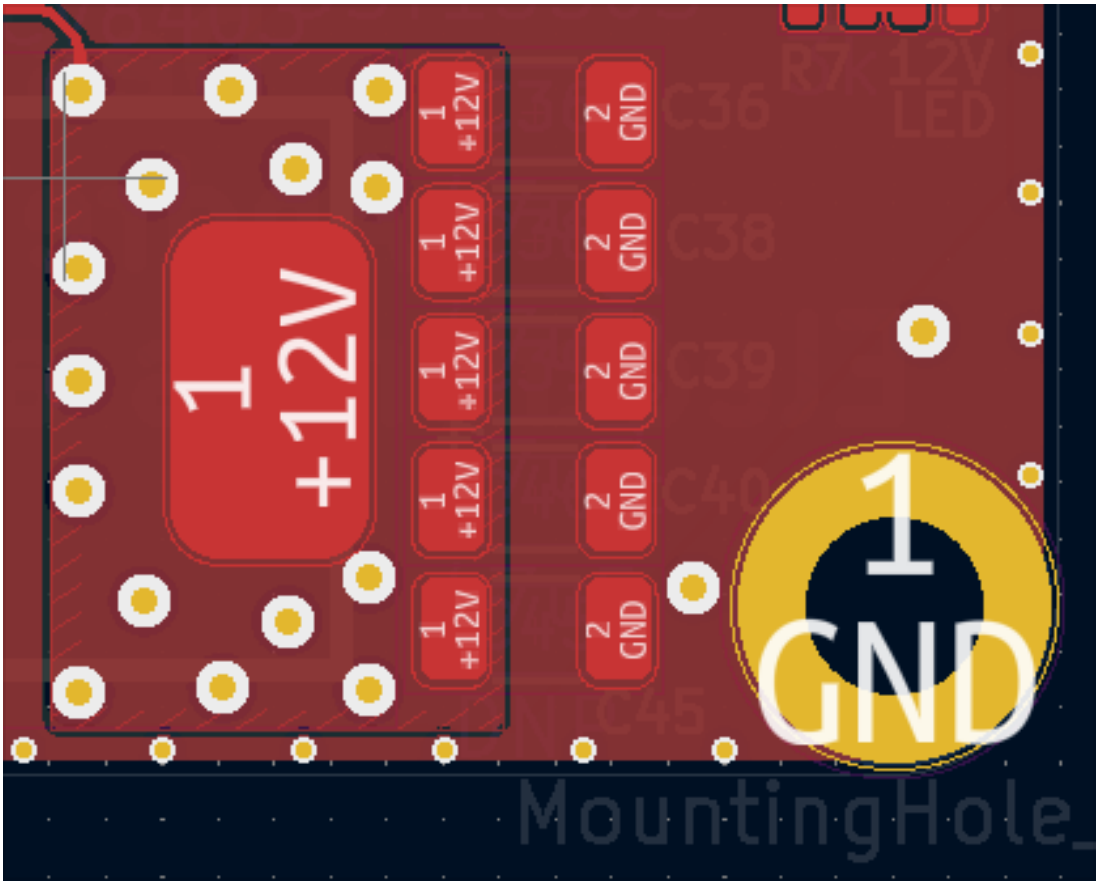
Can we get some pads to bypass the buck -> did some calcs, at 12v 24a cont we need to dissipate 14w, with the current thermal impedance to ambient air that puts the die at over 220c... lmao, considering a single airframe nichrome special, that puts us at 4.8w or around 70c case temp... So we def should put a bypass on there and definitely consider space for heatsinks etc



I also have no clue how they have rated this tiny neck to 24a, like not ur fault just the die design lol...

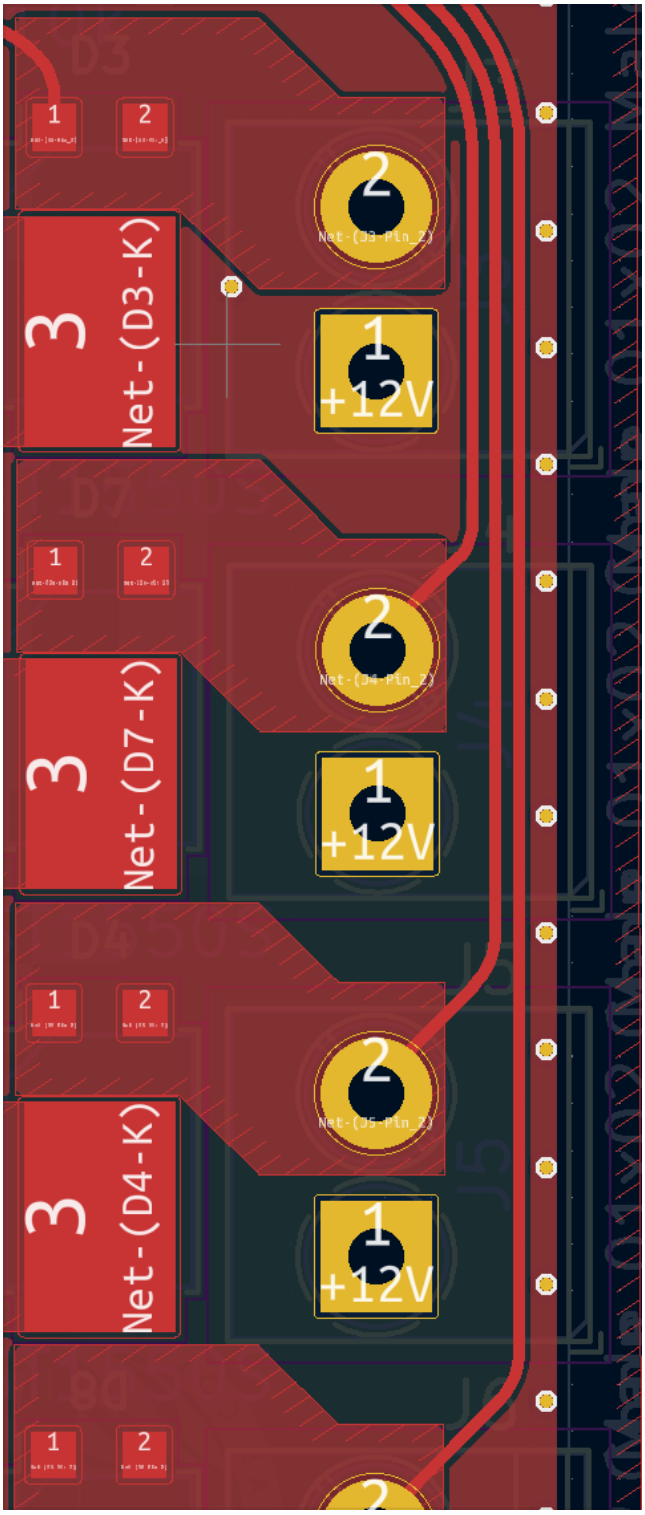


Might be worth considering using some of the internal plane to increase current carrying, but the via still fucks u over cos that amapcity is only like 3a

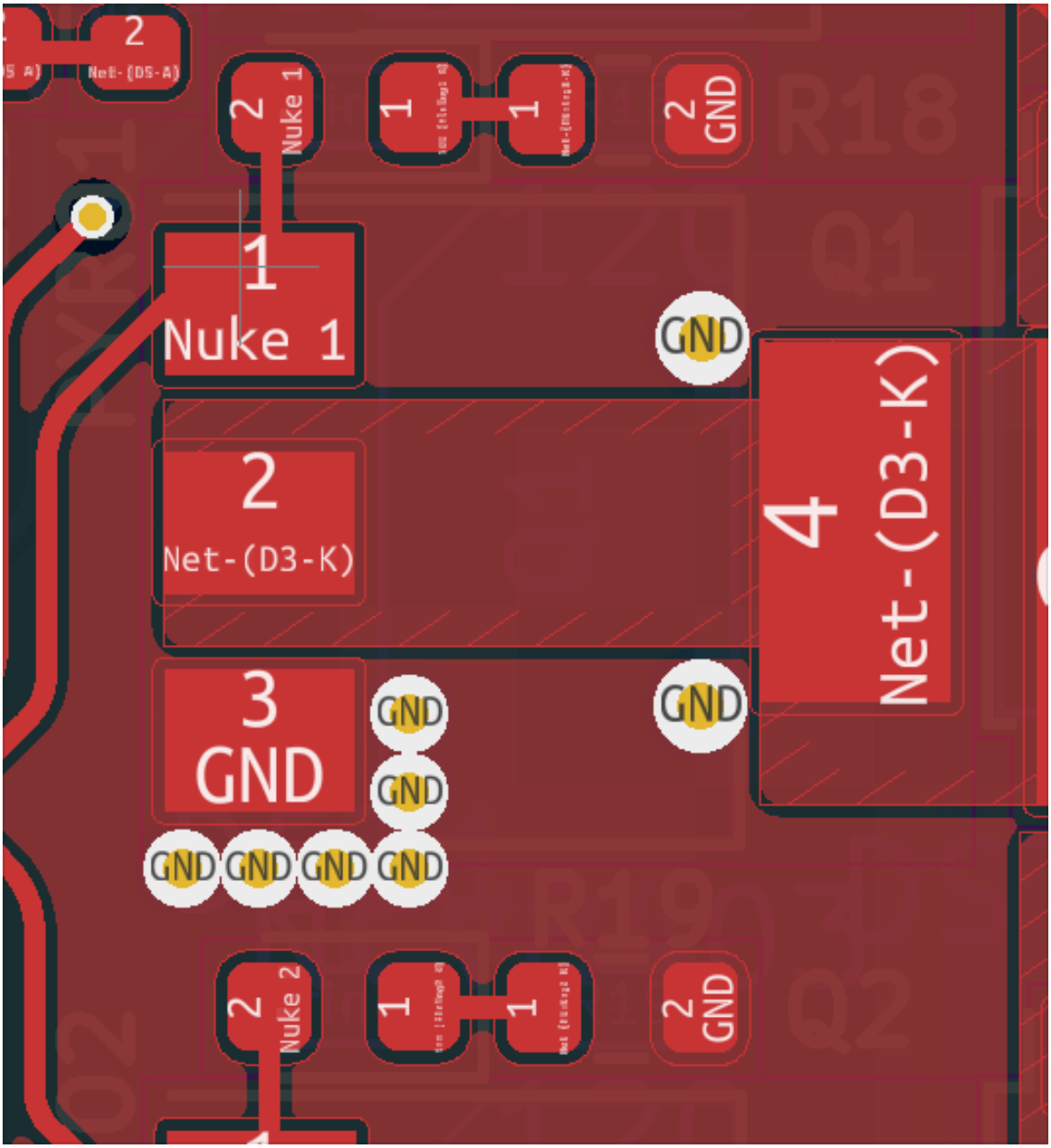


Ground on these caps isn’t ideal, might be fine, but may be consider moving them to the bottom instead?

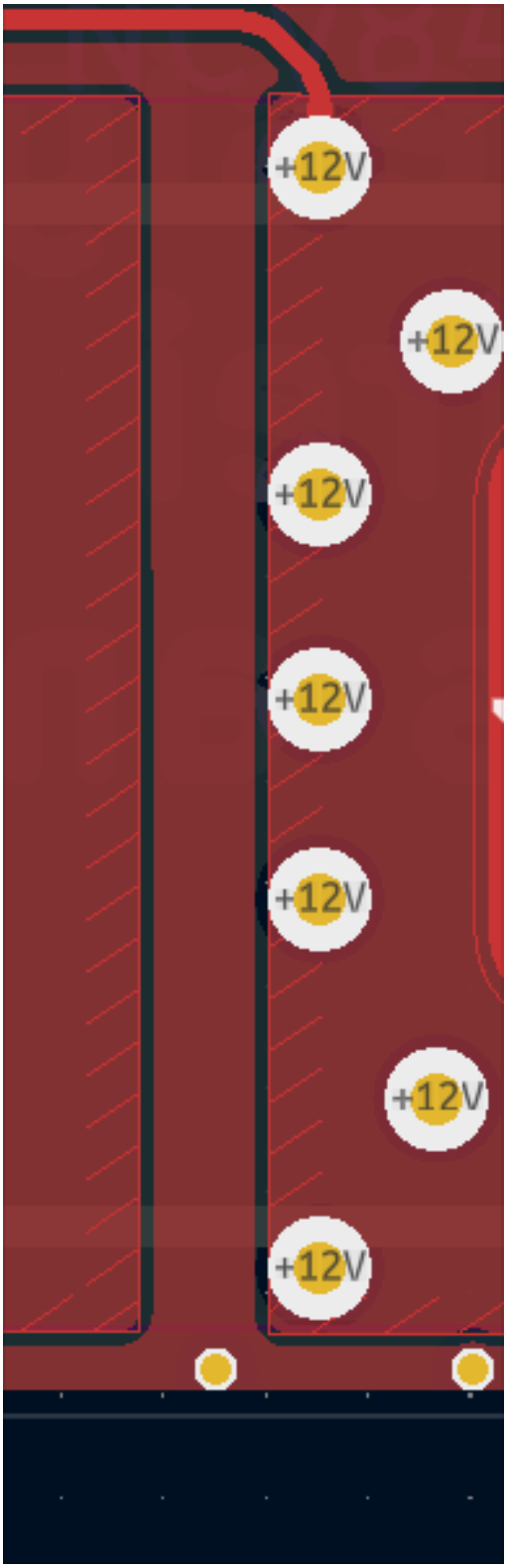
v



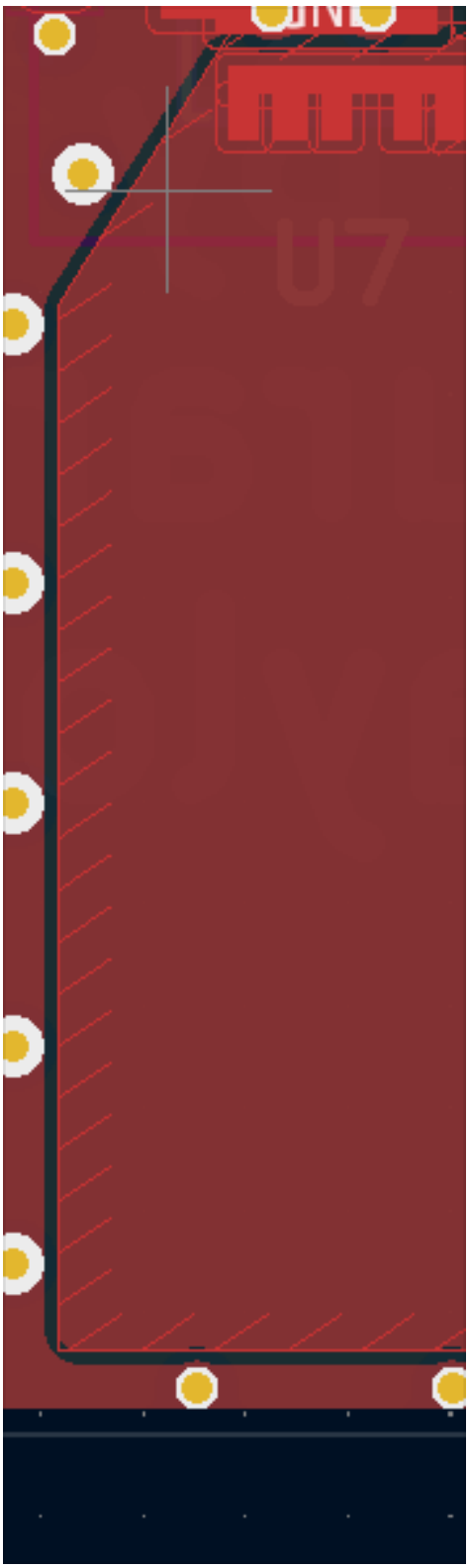
probably can make these copper pours as big as possible



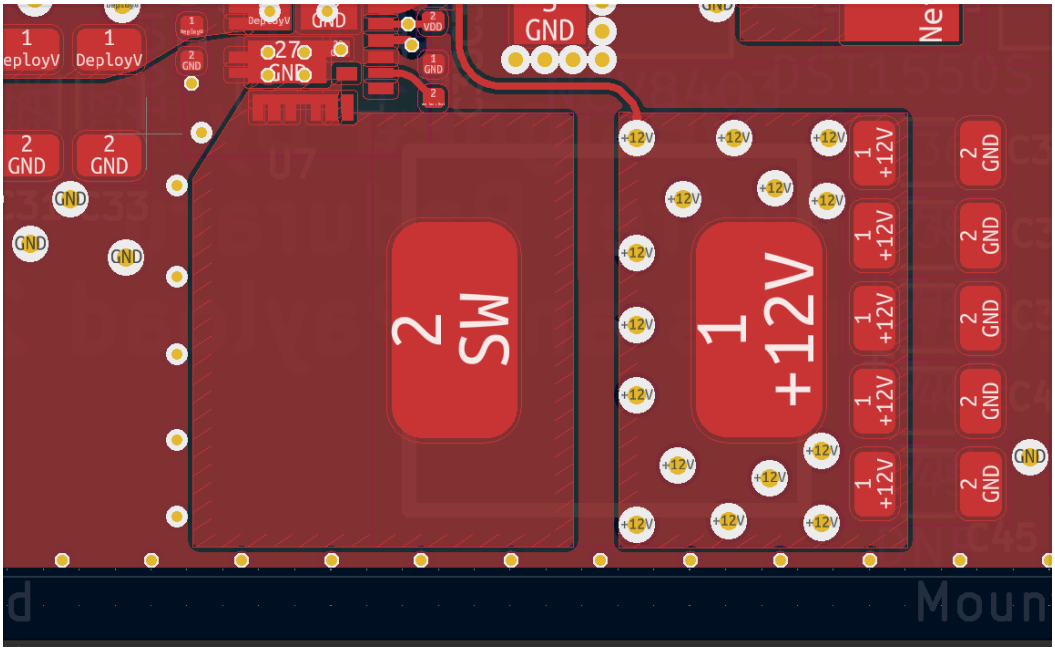
Id extend the Net-(D3-k) copper pour to over the side with Nuke 1 so that u maximise copper area, look at what I did for pickle



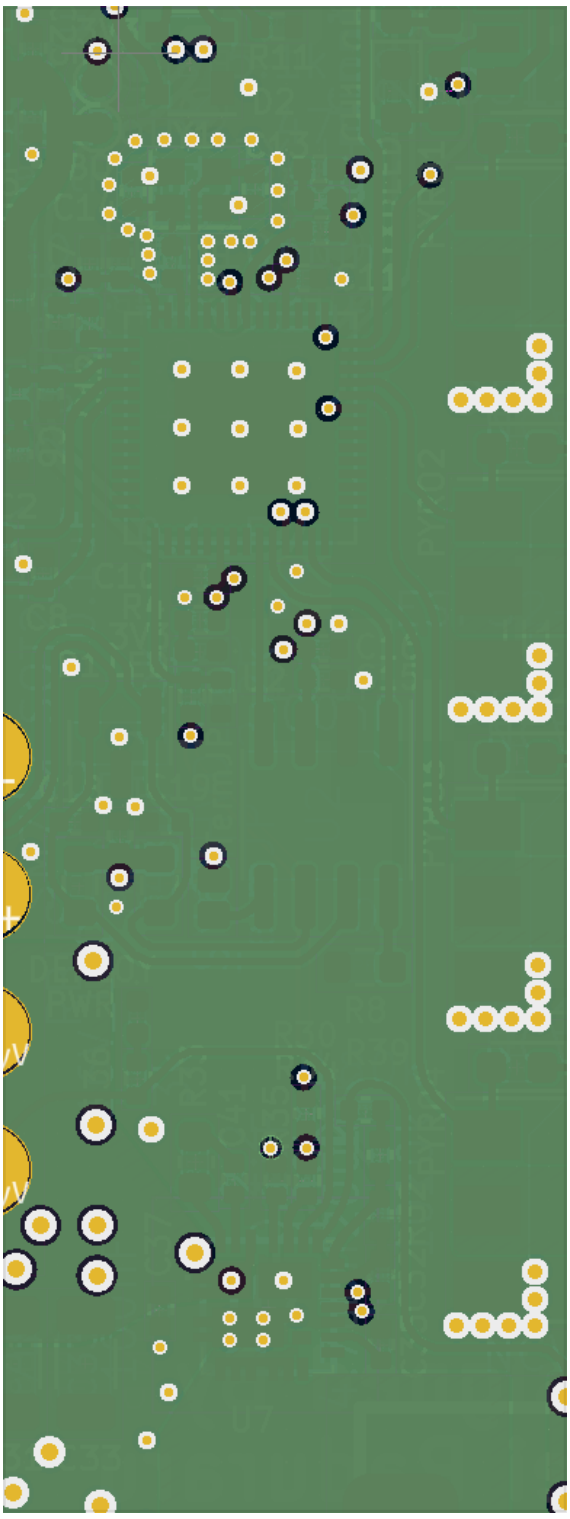
Maybe put a keep out between the switch planes

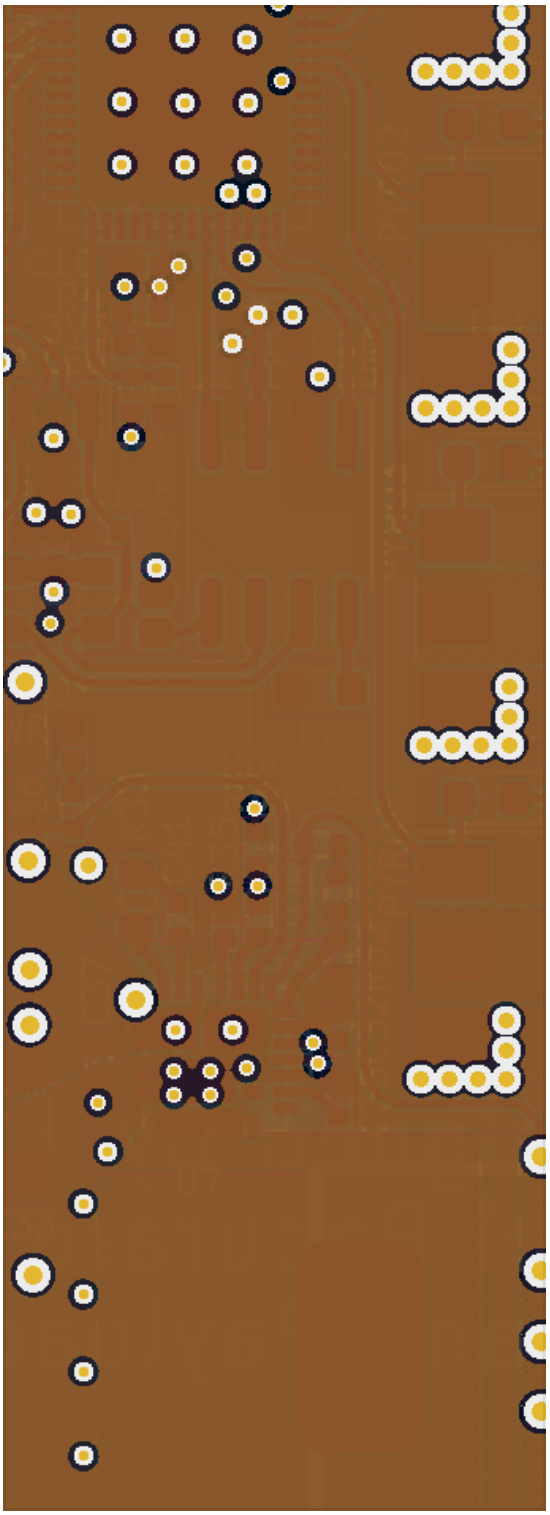


Maybe bring this in a bit, so the ground plane can be larger



Might be worth to move the inductor closer to the buck? If its not fukcing ur courtyard





Via fencing