

More CAD footprint woes

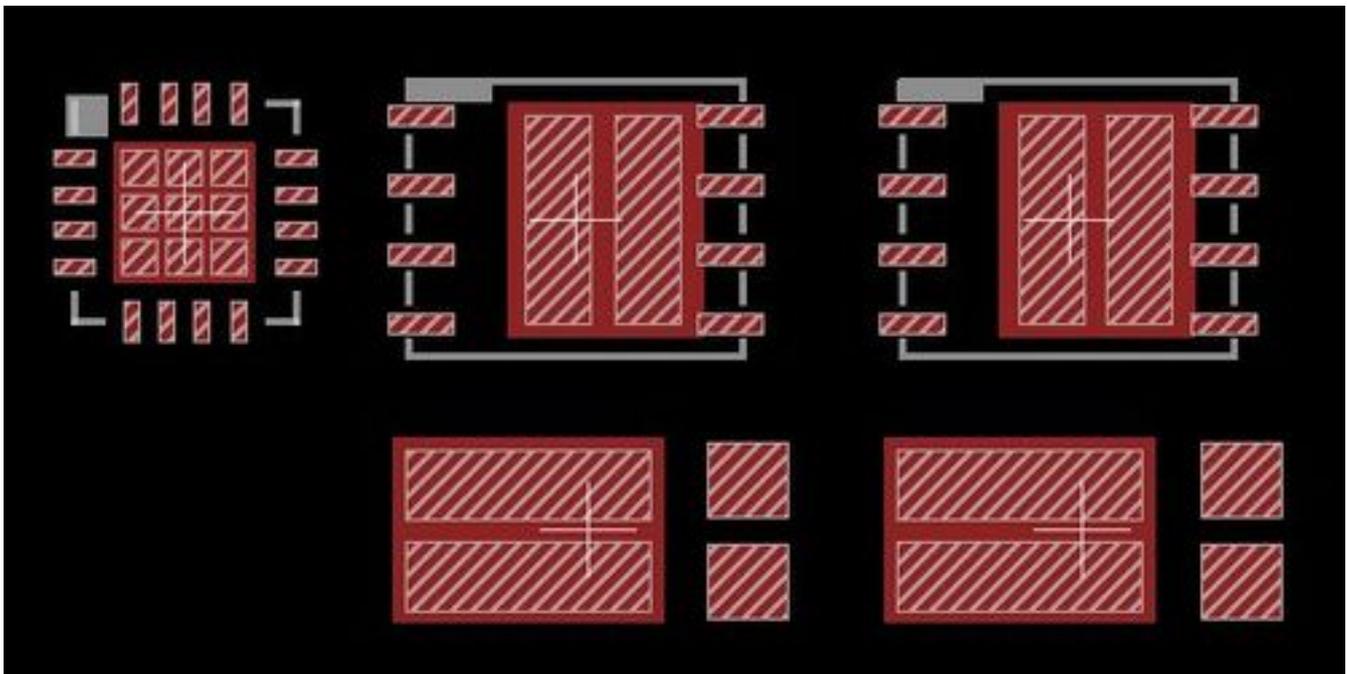
Screaming Circuits

AT this point, I really shouldn't call them "woes." More like business as usual. I'm talking about the need to make custom footprints, or at least modify footprints. Back in the old days, the only thing needed to make footprints was some copper pds, maybe plated through, maybe not. It was pretty rare to even need to make a custom footprint. Other than the occasional odd switch or relay, it was all done.

I really need to just get over it though. On the one hand, it seems like non-productive time; like I should be able to get right to schematicing and layouting. On the other hand, it's so common, I just need to see it as no different than any other routing task.

Starting at the top of my BOM, I have:

- An MCU in QFN format - I modified a symbol and added a custom paste layer to the copper land
- Two SOIC Mosfet drivers - I modified the symbol on an existing footprint
- Some Mosfets in a PowerQFN package - Made a complete custom footprint
- A Mosfet in SOT-23 package - Who hoo! I found a workable part in the library
- Some Power Schottky diodes - custom copper land



[1]

I have another Schottky, some TVS diodes, LEDs and a bunch of passives that came straight out of the library. It's certainly not everything that needs footprint work, but

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with so many variations of the more complex parts these days, it safe to assume that any SMT project will require a fair amount of library work. It's just the way it is.

Duane Benson

It's a pain but at least it's not as bad as 11811 has it

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http://www.ecnmag.com/blogs/2012/04/more-cad-footprint-woes?qt-video_of_the_day=0

Links:

[1] <http://screamingcircuits.typepad.com/.a/6a00d8341c008a53ef016303c693bf970d-popup>