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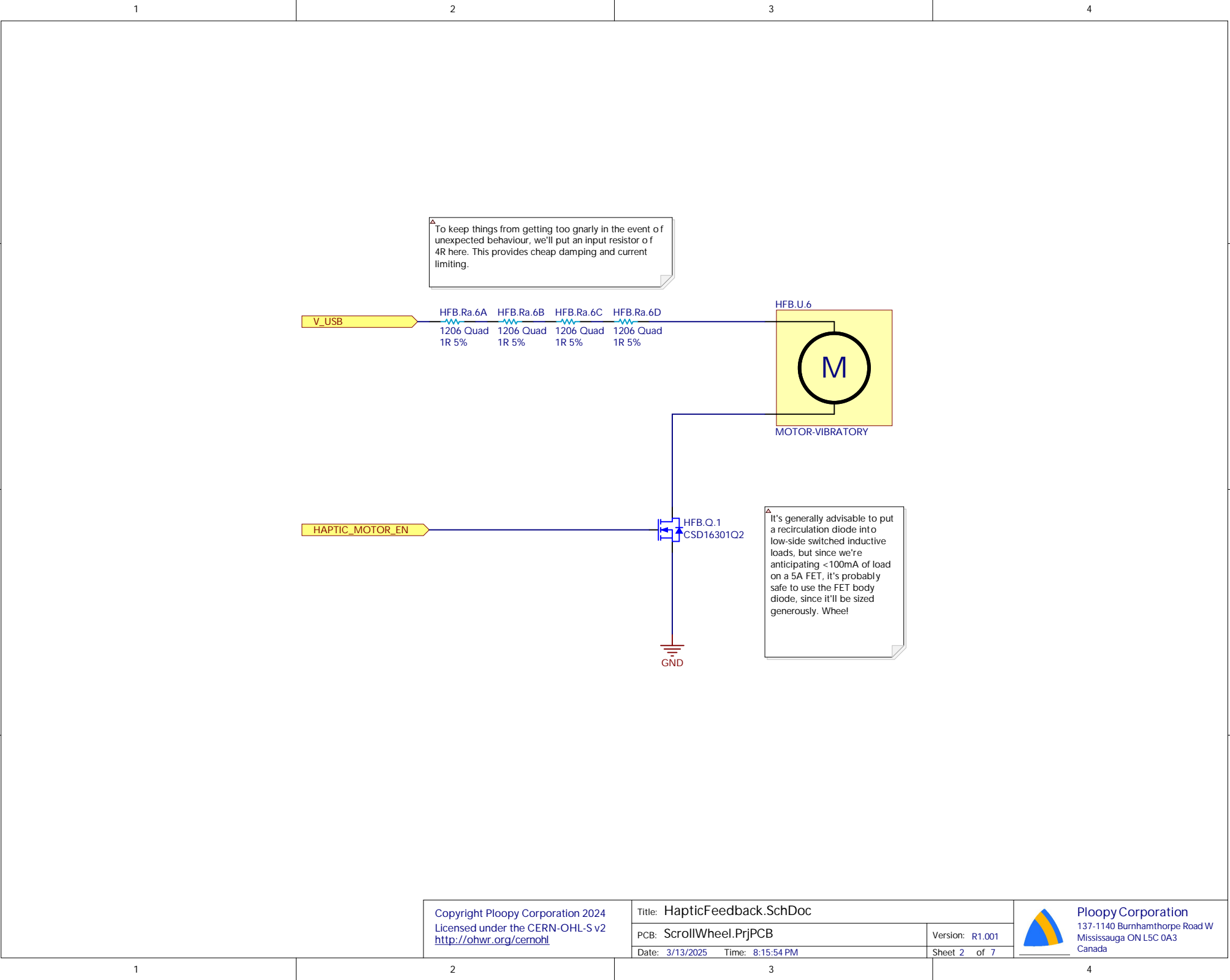
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Source location: <https://github.com/ploopyco/>

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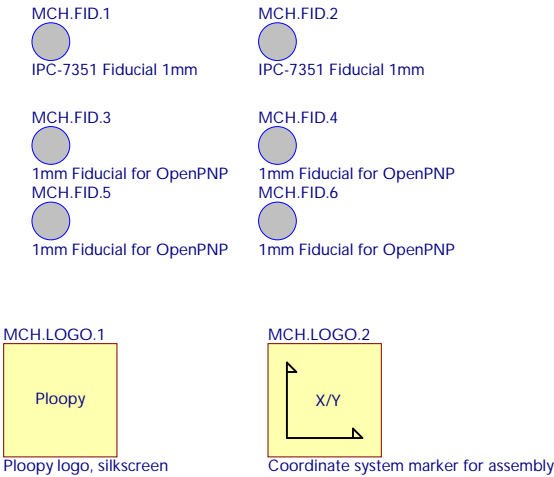




To keep things from getting too gnarly in the event of unexpected behaviour, we'll put an input resistor of 4R here. This provides cheap damping and current limiting.

It's generally advisable to put a recirculation diode into low-side switched inductive loads, but since we're anticipating <100mA of load on a 5A FET, it's probably safe to use the FET body diode, since it'll be sized generously. Wheel!

Pick and Place Fiducials



Spark Gaps -- Case

Since the case has gaps in it, we expect ESD to worm its way in via creepage and perhaps other ways. To protect the board from this eventuality, we place spark gaps along the edges.

