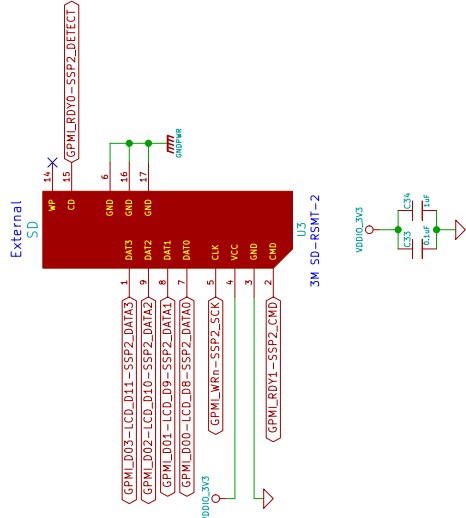
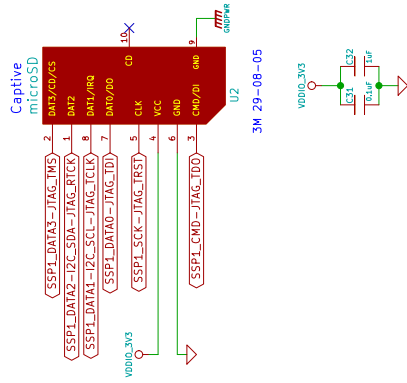
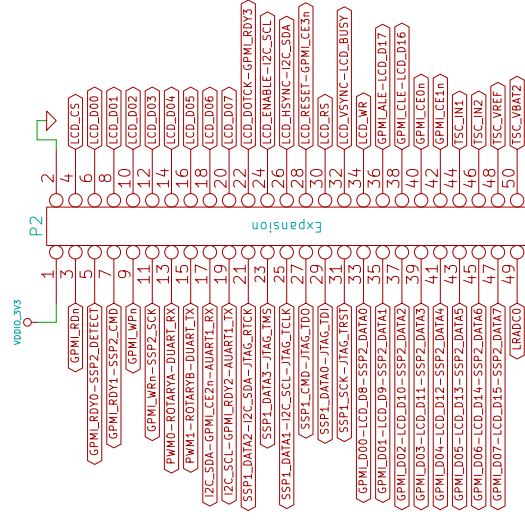


Storage



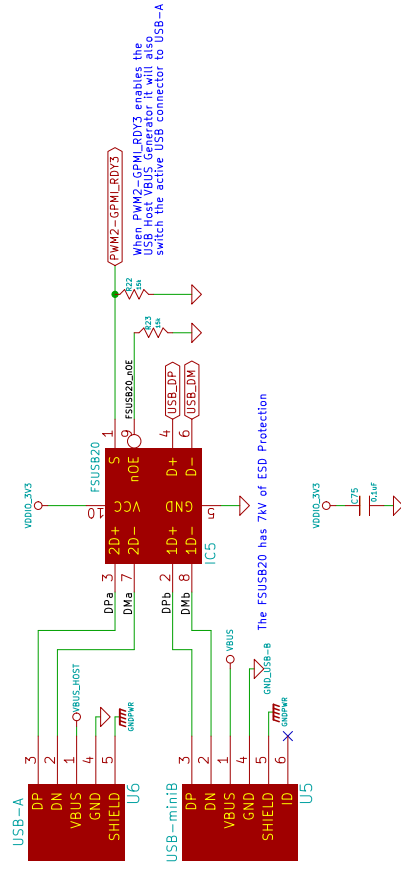
Expansion Header



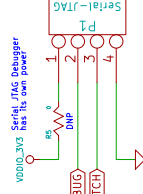
USB requires 90 Ohm differential impedance which for a standard 1/16" 1oz FR4 double-sided board has been calculated to require 22mil traces at 7mil spacing. Make sure to have a solid ground plane underneath the USB lines, and keep 5x the spacing on either side of the traces (35mil).

BSN

USB 90 Ohm differential impedance can also be accomplished using 13.4mil traces spaced 8mil apart with GND traces 7mil outside of either trace in a differential coplanar waveguide configuration when a solid underside GND plane is not available.



Debug



Expansion Header Pinout Not Yet Finalized!
But these will be the available signals.