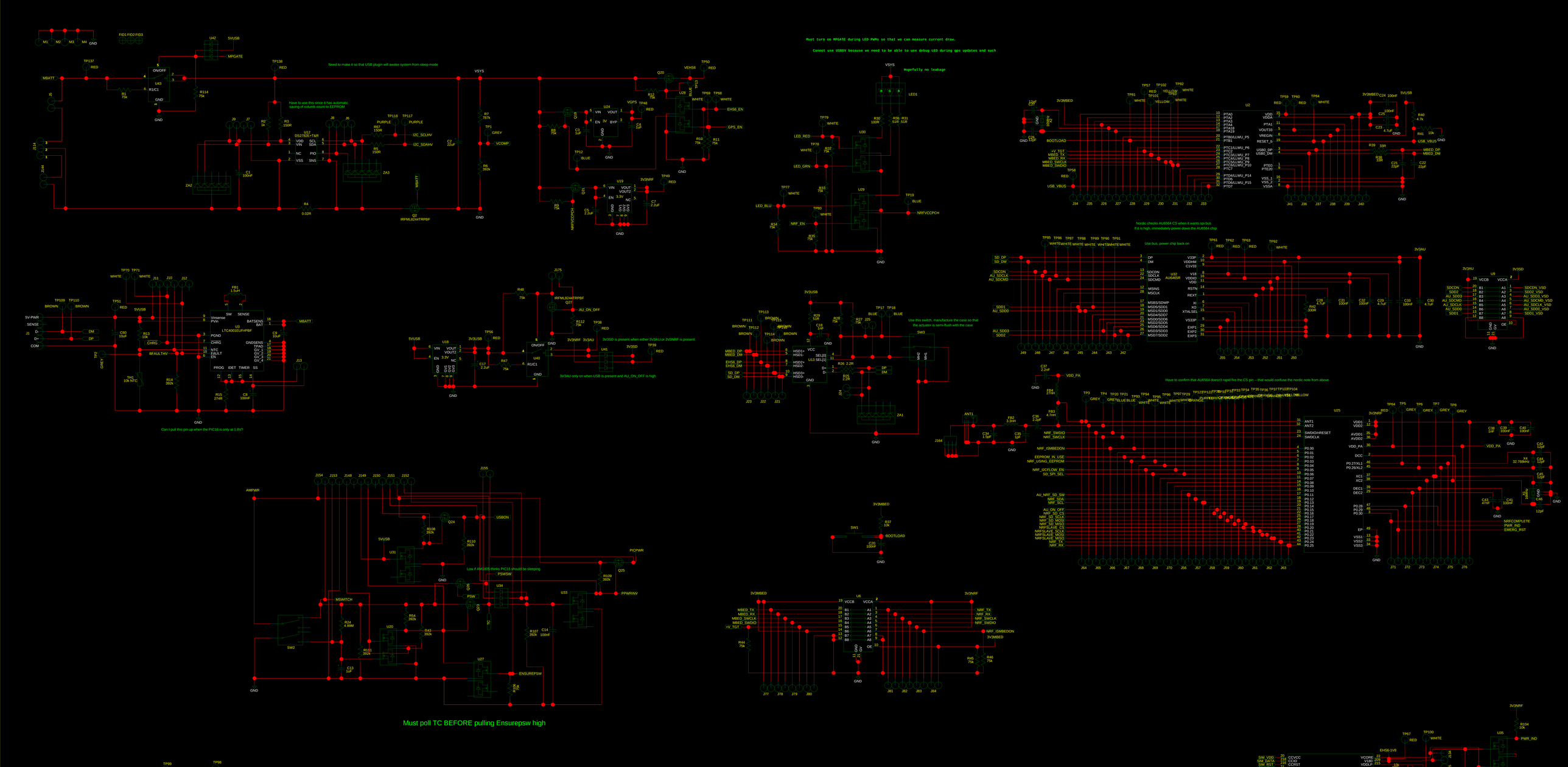
Must turn on MPGATE during LED PWMs so that we can measure current draw.
Cannot use USB5V because we need to be able to use debug LED during gps updates and such
Hopefully no leakage
Need to make it so that USB plugin will awake system from sleep mode
Have to use this since it has automatic saving of volumb count to EEPROM
Nordic checks AU6564 CS when it wants spi bus
If it is high, immediately power down the AU6564 chip
Use bus, power chip back on
Have to confirm that AU6564 doesn't rapid fire the CS pin -- that would confuse the nordic note from above
Can I pull this pin up when the PIC16 is only at 1.8V?
3V3SD is present when either 3V3AU or 3V3NRF is present
3V3AU only on when USB is present and AU_ON_OFF is high
Use this switch, manufacture the case so that the actuator is semi-flush with the case
Low if AMPS thinks PIC16 should be sleeping
Must poll TC BEFORE pulling Ensurepsw high
Banking on this chip not getting damaged when VGPS is pulled
Crap bitrate because Pulldowns are 4 kohm
100k pulldowns are unmeasurable on scope