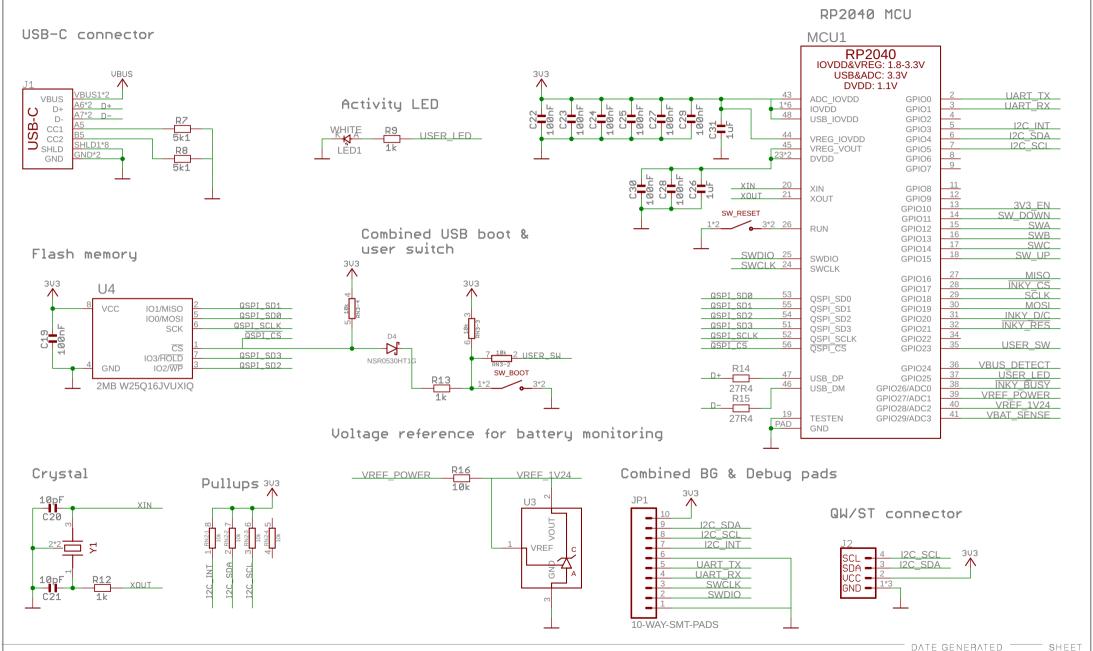
Badger 2040 (PIM607): RP2040 & co

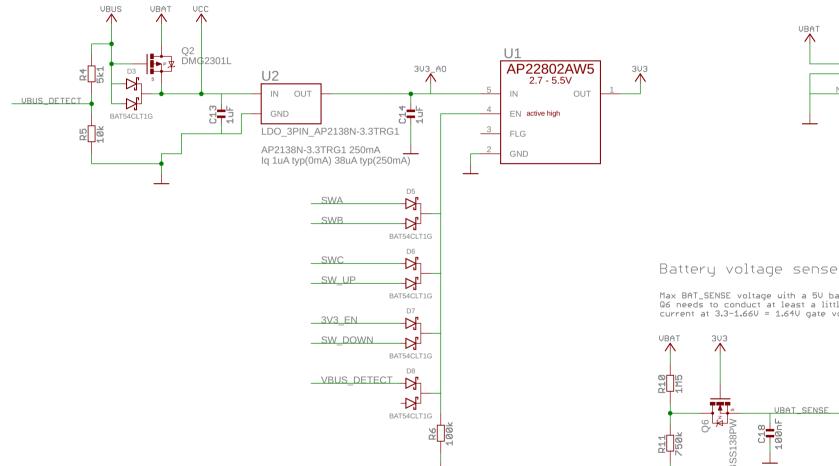


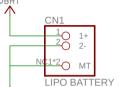
Badger 2040 (PIM607): Power supply

Power Supply and switching

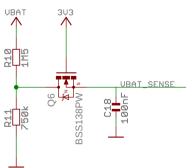
Use VBUS when available otherwise VBAT for supply.

Battery connector (JST PH)



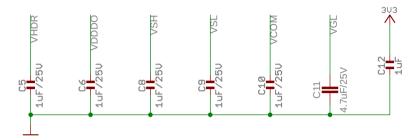


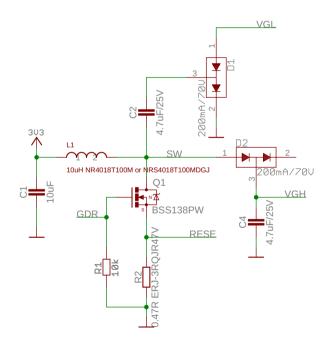
Max BAT_SENSE voltage with a 5V battery: 5.0/3 = 1.66V Q6 needs to conduct at least a little bit current at 3.3-1.66V = 1.64V gate voltage.



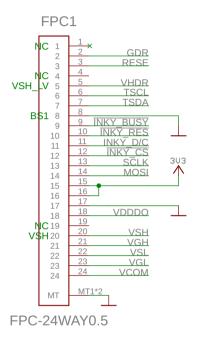
Badger 2040 (PIM607): E Ink Display and Buttons

E Ink display power

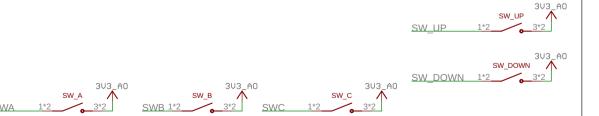




E Ink display connector



Five front-side buttons



SHEET

3/3