Badger 2040 (PIM607): Power supply

Power Supply and switching
Use VBUS when available otherwise UBAT for supply.

Battery connector (JST PH)

Battery voltage sense
Max BATSENSE voltage with a 5U battery: 5.0/3 = 1.66V
DC 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