<u>Wireless module interfacing notes</u>

<u>Brief</u>: we're putting the wireless module onto our PCB because it's easy and way cheaper than buying the breakout from Adafruit.

The module: https://www.sparkfun.com/products/18085

The module needs these connections on our PCB:
- Vin (3.3V)
- Gnd (2 connections)
- SPI:
    - SCK
    - MISO
    - MOSI
- CS (any GPIO from the pico) – does this need a pullup?
- RST (any GPIO from the pico) – does this need a pullup? probably
- Antenna connection: really short trace to a solderable spot (ask Ted about what this will look like)

Symbol and footprint have already been added to the kicad project on box

<u>The task</u>:
- route signals on schematic, add pullups if necessary, add antenna connection
- Schematic for adafruit's breakout board may be useful: https://learn.adafruit.com/adafruit-rfm69hcw-and-rfm96-rfm95-rfm98-lora-packet-padio-breakouts/downloads