

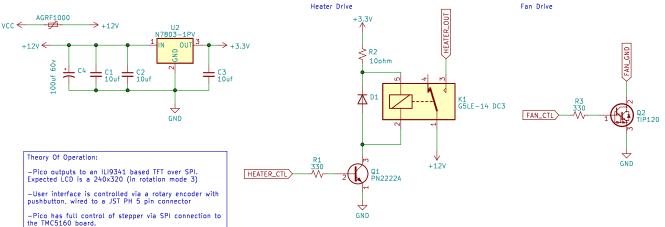
-Pico can enable / disable the drive output via

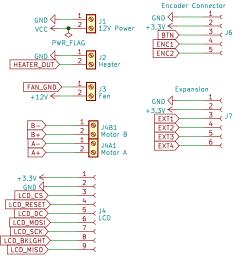
-3.3v power provided by a drop in switching powersupply module for simplicity.

-Pico can activate the Heater by pulling HEATER\_CTL High, switching on the relay (3.3v coil). -Pico can activate the fan by pulling FAN\_CTL high, fan current conducted by the TIP120

- All power connectors are Phoenix LPT lever connectors. These support 12awg - 24awg up to a max of 24A. Can substitute in SPT or any other phoenix connector with the same 5mm pin spacing

MOTOR\_EN (Active Low)





Expansion header is mapped to GPIOO - GPIO3 on the

Expansion header is mapped to GPIOU — GPIOS on the microcontroller.
This may be configured as:

— 4 independent GPIO pins for input/output

— 1 hardware I2c bus (I2c1), and 2 GPIO pins (GPIO and GPIO1)

— 4 pins with a PIO program assigned to them.
(Software SPI is a possibility)

KiwiBoard

V2-TFT