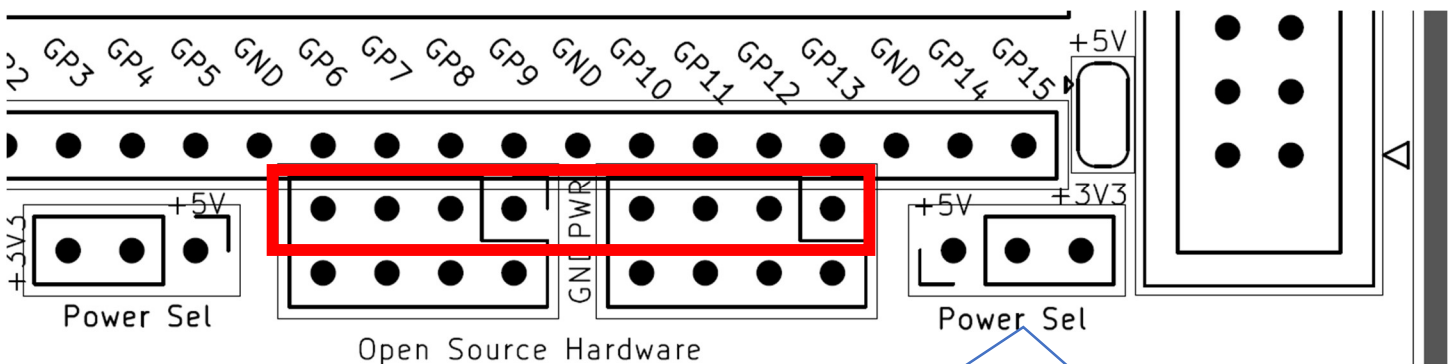
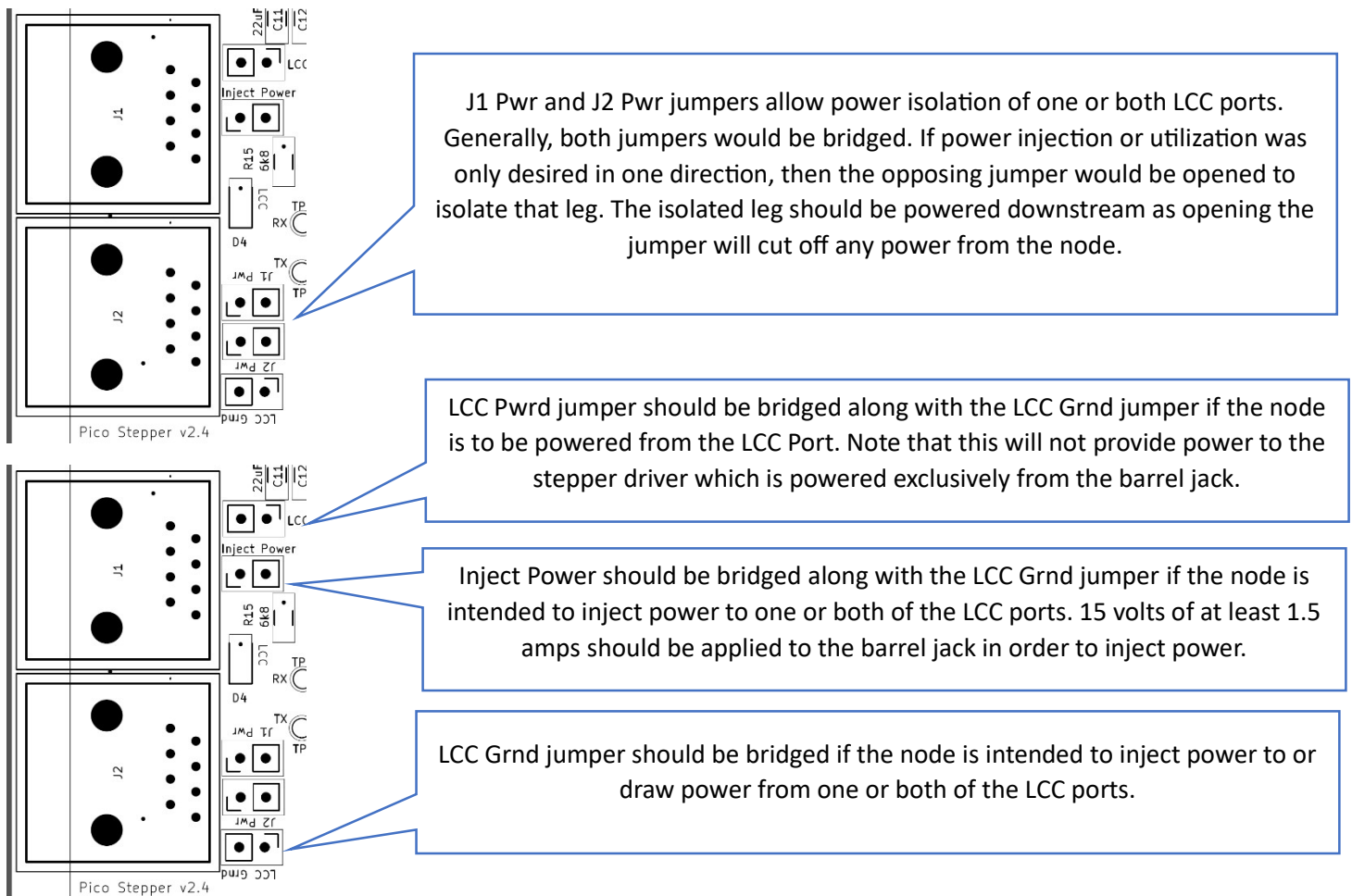


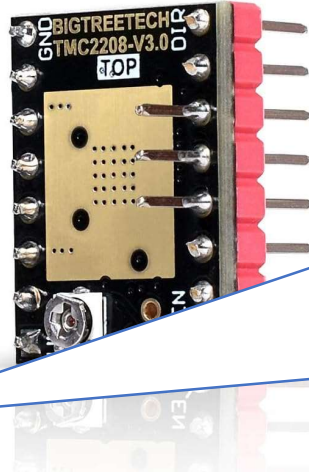
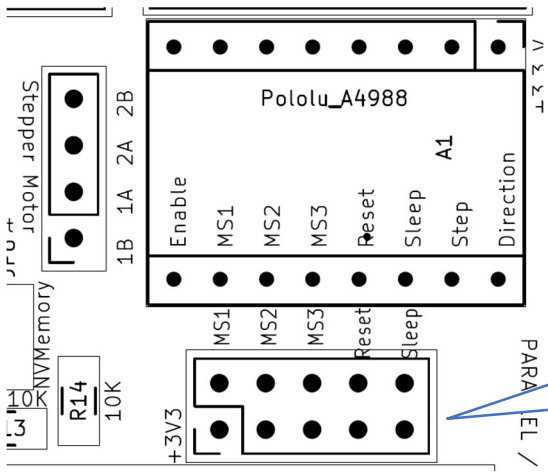
The node may be powered from the barrel jack or the LCC port. If driving a stepper motor power must be applied from the barrel jack. In this case the external power must be suitable for the motor and stepper controller. The barrel jack power should be at least seven (7) volts to power the node or fifteen (15) volts if using the node to inject power to LCC. Amperage should be sufficient to drive any external devices plus about half an amp for the node plus another 1.5 amps if injecting power to LCC.

Node power configuration is accomplished with five jumpers located behind the LCC ports.



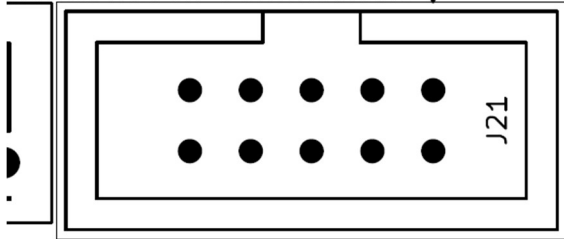
The power applied to the middle pins of the GPIO blocks of four may be selected by bridging the respective power selection jumpers.



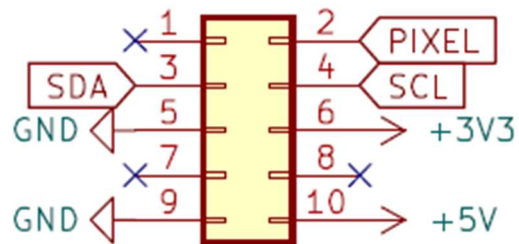


The stepper motor driver, if populated, can be configured with these jumpers. Bigtree TMC2208 V3.0 UART Stepper with Heat Sink has worked well for me as a replacement for a A4988

### ROUNDHOUSE CONNECTIONS ▽



### Roundhouse J21



### TURNTABLE CONNECTIONS ▽

