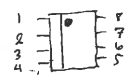
PulseGen Wiring Guide

Make breadboard power supply rails for 3.3V, 5V, and GND from Teensy.

Teensy pins are referred to as T + pin number (e.g. T6)

TLP2530 (Optocoupler)

1: Trig in signal (BNC in)

2: Trig in GND

5: PSU GND

7: Out 1 (trig 1, T6)

8: Vcc (5V)

Button (trigger)

T7 (trig2 button)

GND

Output

T29 (TTL1 BNC out)

T8 (LED1)

LCD 1602A

1: GND

2: 5V

3: Middle of trimmer pot

4: RS (T10)

5: GND

6: EN (T9)

11: T5

12: T4

13: T3

14: T2

15: 5V

16: GND

Trimmer pot (for LCD contrast. Mount to board, adjust during first usage)

L: GND

M: 1602A #3

R: 5V

Keypad ZRX-543

T16: Zrx 1 Zrx 1-4 are rows T20-23 are rows

… Zrx 5-8 are cols T16-19 are cols

T23: Zrx 8