

Pin	Arduino Connection
A7	LC1
A6	LC2
A5	LC3
A4	LC4
A3	LC5
A2	LC6
A1	LC7
A0	LC8
13	LC9
12	LC10
11	LCO status LED string
10	Tx (software serial)
9	Rx (software serial)
8	Individual LCO status lights (wired in series)
7	INA219 sensor for battery check

Notes

- RSO and LCO communicate via software serial with codes and parameters on separately documented table
- assume 1 Arduino for BOTH LCO panels
- assume 1 12V battery
- assume 1 12VDC to 5V DC converter for stable 5V
- need stable 5V reference for INA219 measurement of 12V battery
- require 1 strip of 10 WS2812B addressable strip for each LCO panel
- require 10 separate WS2812B chips wired in serial, 1 at each LCO station
- assume software serial connection to RSO
- may require different suitable pins for RX and TX

RSO-LCO wiring

- 1 core for common GND
- 1 core for software serial TX
- 1 core for software serial RX