DATA

| D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 |
WS2812B (each labeled +3V3, GND, VDD, VSS, DI, DO, RGB, WS28x1)

| D9 | D10 | D11 | D12 | D13 | D14 | D15 | D16 |
WS2812B (each labeled +3V3, GND, VDD, VSS, DI, DO, RGB, WS28x1)

J1
- 2 TIP — +3V3
- 4 TIP_SW
- 3 RING — R1 330 — DATA
- 1 SLEEVE

GND

+3V3
C1 10u C2 10u C3 10u C4 10u
GND

+3V3
C5 100n C6 100n C7 100n C8 100n
GND

General Notes

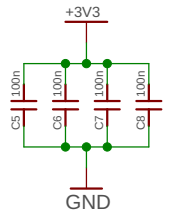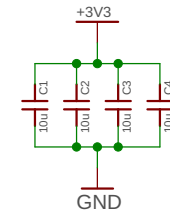
Measured power draws:
- 50 : 0.06 w / LED -> 1.0 w
- 100 : 0.11 w / LED -> 1.8 w
- 150 : 0.16 w / LED -> 2.6 w
- 200 : 0.22 w / LED -> 3.5 w
- 250 : 0.25 w / LED -> 4.0 w

Where the first number is intensity
valuesent to all elements of all LEDs
via data line.

H1 MOUNT-HOLE3.3
H2 MOUNT-HOLE3.3

Capable Robot Components

Name	Revision	License
LED Ring Light	CRPPLG	CERN OHL v1.2

URL
https://github.com/CapableRobot/Ring-Light

| Date | 10/3/18 10:25 AM | Sheet 1/1 |