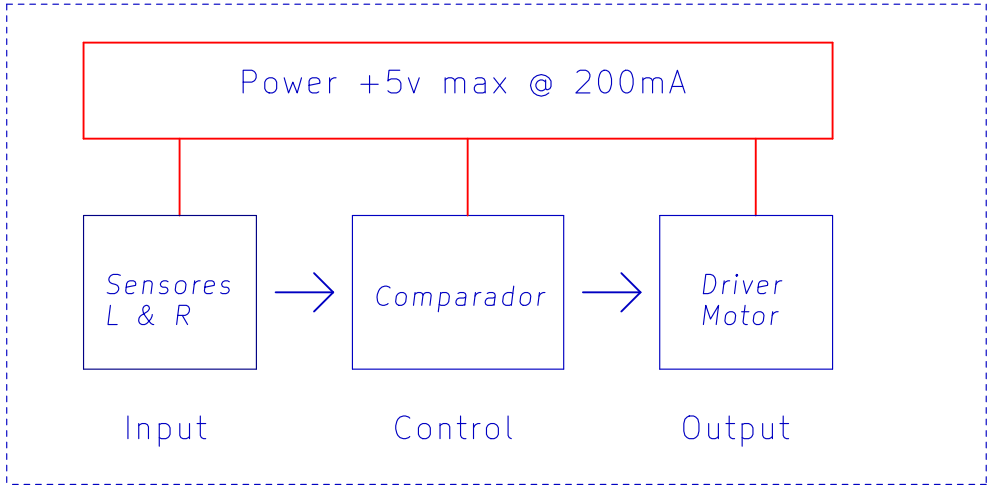
# Mini robot seguidor de luz




**Block diagram**

Schematic

*main*

*File: minirobot.kicad_sch*

Details

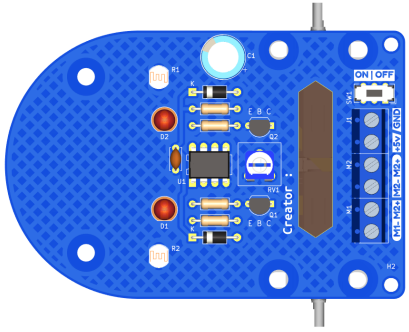
| | |
|---|---|
| Input: | Analog LDR |
| Control: | OPAMP Comparator |
| Pout: | Transistor BJT NPN |
| Motor: | Pololu N20 |

PCB CLASS 2

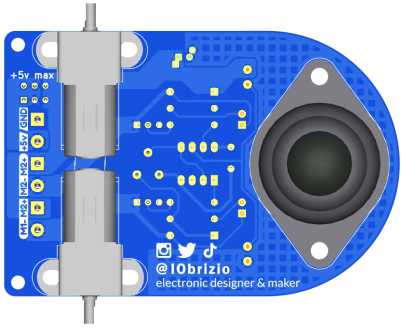
| | |
|---|---|
| Dimension: | 90.815x60.96 mm |
| Material : | FR4 |
| Layers : | 2 |
| Thickness : | 1.6mm |
| Soldermask : | Blue |
| Silkscreen : | White |
| Finish: | HASL-LEAD FREE |
| Copper W: | 1 oz |

**PCB 3D view**

TOP




BOTTOM

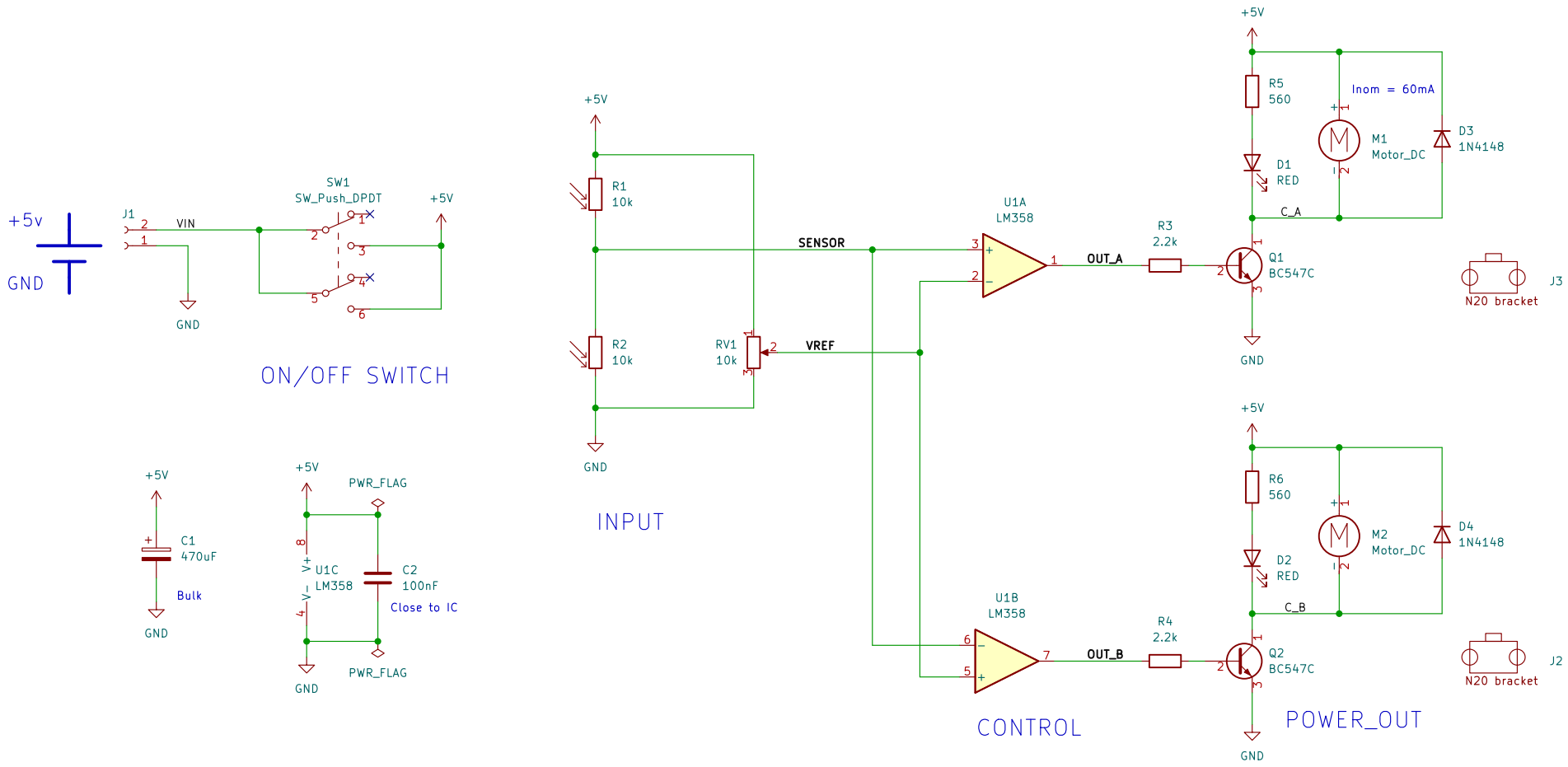



https://gitlab.com/IObrizio/mini_robot_luz
Electronic designer & maker!
**IObrizio**

Sheet: /
File: Mini_Robot.kicad_sch

***Title: Mini robor seguidor de luz***

| | | |
|---|---|---|
| Size: A4 | Date: 2022-11-05 | **Rev: 0.9** |
| KiCad E.D.A. kicad (6.0.1) | | Id: 1/2 |




## Mechanical

H1
MountingHole

H2
MountingHole

J4
F_WHEEL

Free wheel

G1
LOGO

https://gitlab.com/IObrizio/mini_robot_luz
Electronic designer & maker!
**IObrizio**

Sheet: /main/
File: minirobot.kicad_sch

***Title: Mini robor seguidor de luz***

| Size: A4 | Date: 2022-11-05 | **Rev:** |
|---|---|---|
| KiCad E.D.A. kicad (6.0.1) | | Id: 2/2 |