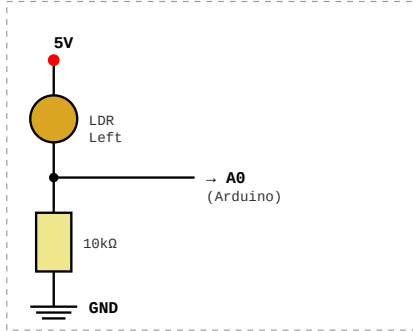
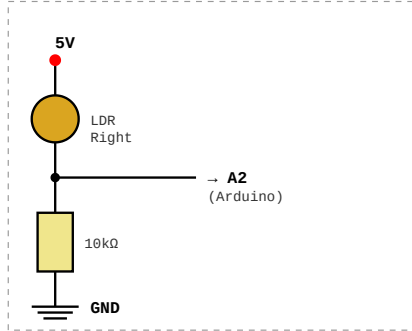


SOLAR TRACKER - CIRCUIT SCHEMATIC

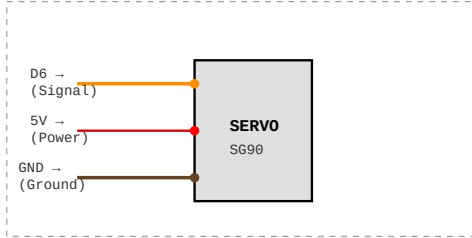
SECTION A: LEFT PHOTORESISTOR



SECTION B: RIGHT PHOTORESISTOR

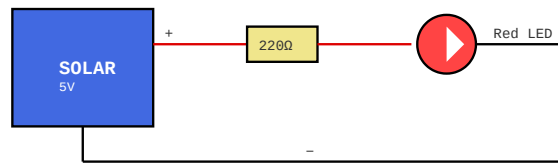


SECTION C: SERVO MOTOR (SG90)



SECTION D: SOLAR PANEL + LED INDICATOR

⚠ ELECTRICALLY ISOLATED FROM ARDUINO - Independent circuit



POWER SUPPLY

USB Cable → Arduino Uno

- Provides regulated 5V power
- Powers Arduino, sensors, and servo motor

COMPONENTS SUMMARY

- 2× Photoresistor (LDR 5mm)
- 2× Resistor 10kΩ (voltage dividers)
- 1× Servo Motor SG90
- 1× Solar Panel (5V, small)
- 1× Red LED + 1× Resistor 220Ω