Qty	Value	Description	Links
1	10k	Trimm resistor	https://www.evselectro.com/potentiometers/3296/3296-10k-ohm-180
3	1k	RESISTOR 1% Tolerence	https://www.evselectro.com/resistors/1-8w-1/1k-ohm-18w-1-5433
1	237	RESISTOR 0.1% Tolerence	https://www.evselectro.com/resistors/1-8w-0-1/237-ohm-0.1-3942
1	100u	POLARIZED CAPACITOR	https://www.evselectro.com/capacitors/polarized/16v/100uf-16v-474
1	10u	POLARIZED CAPACITOR	https://www.evselectro.com/capacitors/polarized/16v/10uf-16v-358
1	1u	NON POLAR CAPACITOR	https://www.evselectro.com/capacitors/non-polarized/ceramic-multilayer-capacitors/1-uf-ceramic-multilayer-capacitors-6777
1	12v	DC POWER JACK	https://www.evselectro.com/connectors/dc-connectors/connectors-dc-socket-5.5mm-pcb-1160
1	LM358N	LM358 Op Amp	https://www.evselectro.com/op-amp-ics-lm358p-duel-558?search=LM358
1	PHOTOCELLPTH	LDR	https://www.evselectro.com/ldr-ldr-3mm-967?search=LDR
1	Rotory Encoder	Rotory Encoder	https://www.evselectro.com/potentiometers-12mm-rotary-encoder-switch-w.-keyswitch-hq-3029?search=ENCODER
1	ARDUINO_NANO	Arduino Nano	https://www.theicshop.org/product/arduino-nano-v3-0-in-pakistan-copy/
1	I2C_OLED	0.96" OLED Display	https://megaeshop.pk/0-96-inch-4pin-white-iic-i2c-oled-display-module-12864-led-for-arduino.html

Sensing & Signal Conditioning

R1 PHOTOCELLPTH
+5V
IC1B LM358N
GND
IC1A LM358N
R2, V_BIAS
R4 1k
R3 237
GND

MCU & Control

NANO ARDUINO
D13 3V3 REF A0 A1 A2 A3 A4 A5 A6 A7 5V RST. GND. VIN
D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 GND RST RX0 TX1
ICSP
C2 10u
+12V
+5V
GND GND

VCC GND SCL SDA

RE1SW 62P22-NX
R6 1k
GND
RE1A 62P22-NX
GND

Power Stage

J1 12v
+12V
C1 100u
GND
R5 0.5v
V_BIAS
C3 1u
GND