

BOM PCB_ETCH

SR NO	NAME	DESCRIPTION	DESIGNATOR	FOOTPRINT	QUANTITY	PINS
01	BUZZER	12mm BUZZER	BZ1	THT	1	2
02	CAPACITOR	10uF 25V ELECTROLYTIC THT CAPACITOR	C1	FIXED THT ELECTROLYTIC CAPACITOR	1	2
03	CAPACITOR	47uF 25V ELECTROLYTIC THT CAPACITOR	C2	FIXED THT ELECTROLYTIC CAPACITOR	1	2
04	CAPACITOR	10uF CERAMIC THT CAPACITOR	C3,C4	FIXED THT ELECTROLYTIC CAPACITOR	2	2
05	CONNECTOR	2.54mm MALE BERG STRIP	CN1	2.54mm TERMINAL	1	4
06	DIODE	IN4001 PN-DIODE	D1	VERTICAL THT DIODE	1	2
07	LED	5mm GREEN LED	LED1	5mm THT LED	1	2
08	LED	5mm YELLOW LED	LED2	5mm THT LED	1	2
09	LED	5mm RED LED	LED3	5mm THT LED	1	2
10	POWER JACK	9mm FEMALE BARREL JACK CONNECTOR	PWR1	nil	1	3
11	MOSFET	BS170 n-channel E-MOSFET	Q1	TO-92	1	3
12	MOSFET	IRF540 n-channel E-MOSFET	Q2	TO-220	1	3
13	RESISTOR	1KOhm 0.25W CARBON FILM RESISTOR	R1,R2,R3,R4,R6,R11	VERTICAL FIXED THT RESISTORS	6	2
14	RESISTOR	1MOhm 0.25W CARBON FILM RESISTOR	R5,R7	VERTICAL FIXED THT RESISTORS	2	2
15	POTENTIOMETER	1KOhm TRIMMER POTENTIOMETER	R8,R9,R10	TRIMMER 6M	3	3
16	SWITCH	SPST SWITCH	SW1	3-PIN SWITCH THT	1	3
17	TERMINAL BLOCK	5.08mm SCREW TERMINAL BLOCK	TB1	5.08mm TERMINAL	1	2
18	SWITCH	TACTILE SWITCH	TCSW1	nil	1	2
19	VOLTAGE REGULATOR	LM7805 LVR	U2	TO-220	1	3
20	CONTROLLER	ARDUINO NANO MICROCONTROLLER BOARD	U1	nil	1	30
21	CONNECTOR	15 pin FEMALEBERG STRIP	U1	nil	2	15
22	USER INTERFACE	0.96' ADAFRUIT I2C OLED	nil	nil	1	4
23	ACTUATOR	12VDC BRUSH DC MOTOR	nil	nil	1	2