



BOM

Designator	Name	Quantity
C1	0.1u	1
C2	33u	1
C3A,C3B	22n	2
C4	1000u	1
C5A,C5B	470u	2
D1	GBJ2506-F	1
HS1A,HS1B	HEATSINK TO-220	2
ICL1A,ICL1B	NTC	2
IR1	VS1838B	1
L1	10u	1
LED1, LED2	LED	2
P1	CONN_3P	1
P2,3,4,5,6,7	CONN_2P	6
Q1A,Q1B	TN2106	2
Q2A,Q2B	BT139	2
R1,R2,R3,R4	1k	4
R5	100 2W	1
R6A,R6B,R7A,R7B	22k	4
R8A,R8B	270	2
R9A,R9B,R10A,R10B	330 1W	4
R11A,R11B	47 1W	2
R12A,R12B	56	2
R13A,R13B	10k	2
RL1A,RL1B	RTD14005	2
U1A,U1B	MOC3063M	2
U2	IRM-02-5	1
U3	Pro Mini - 5V	1
Z1A,Z1B	Zener 15v	2