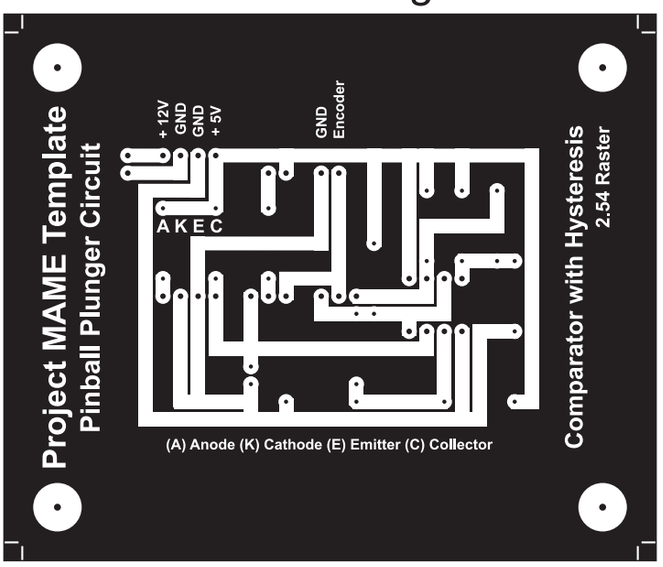
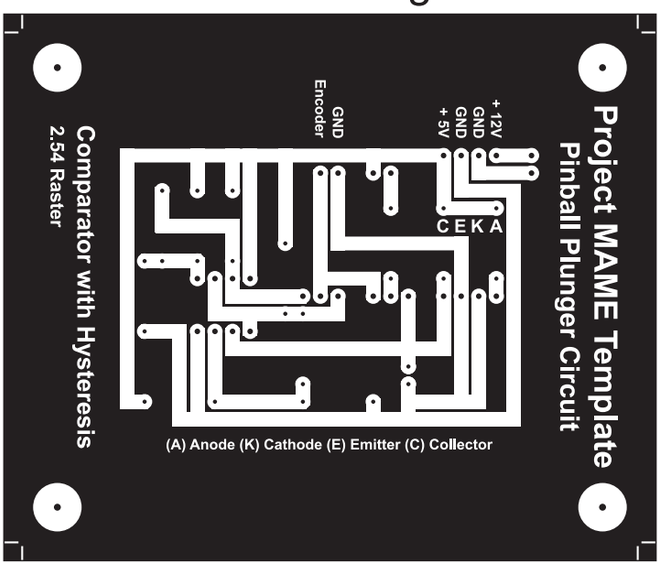
Project MAME Template Pinball Circuit
Comparator With Hysteresis

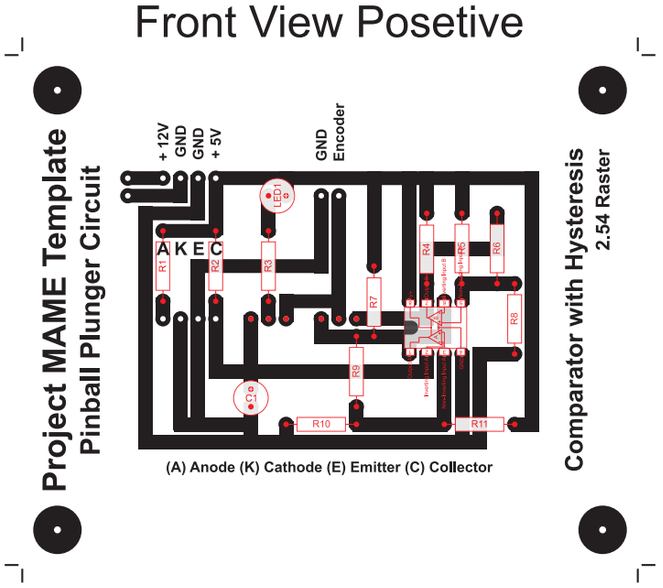
Front View Negative



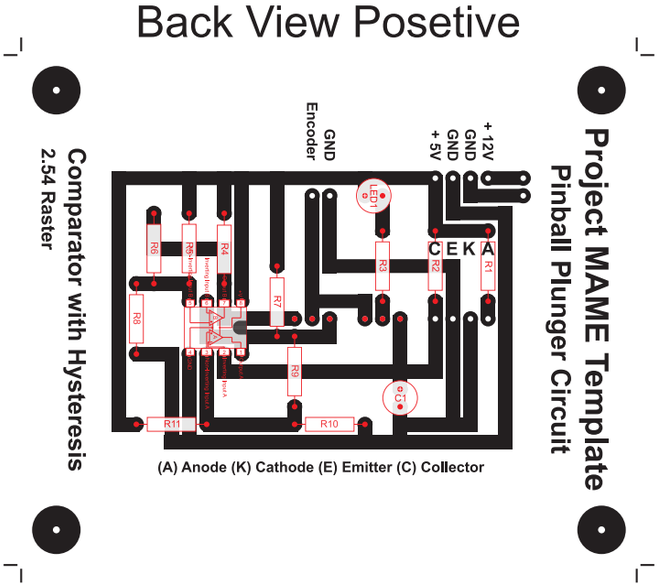
Back View Negative

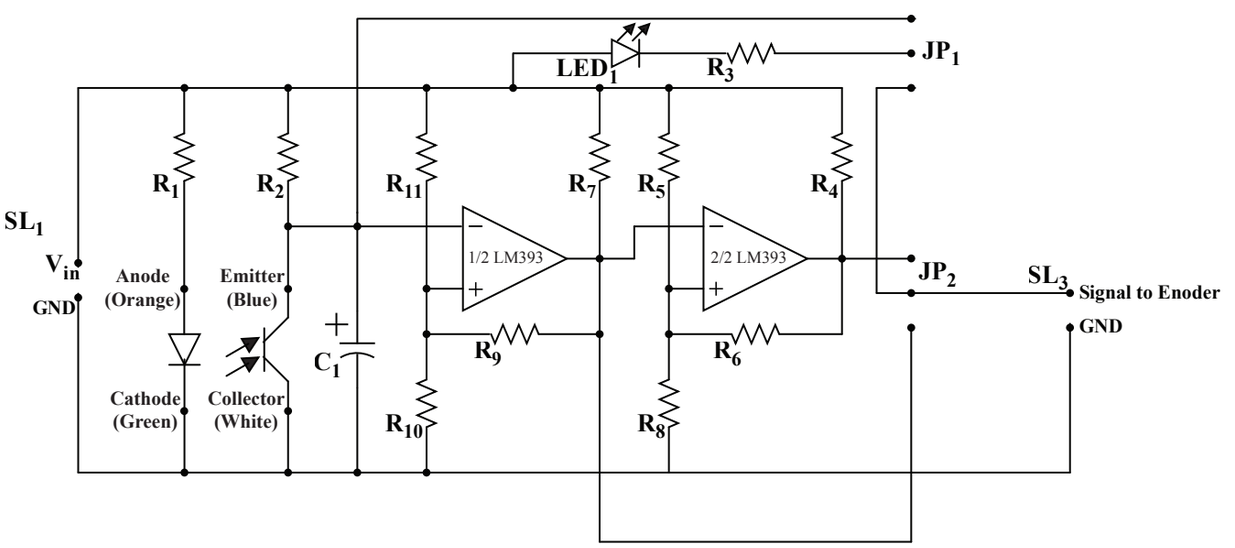


Front View Posetive



Back View Posetive





Part List

IC1	LM393
C1	10 uF 25V Electrolytic Capacitor
R1	220 Ohm 0.6 Watt Resistor
R2	1k Ohm 0.6 Watt Resistor
R3	220 Ohm 0.6 Watt Resistor
R4	3k Ohm 0.6 Watt Resistor
R5	1M Ohm 0.6 Watt Resistor
R6	1M Ohm 0.6 Watt Resistor
R7	3k Ohm 0.6 Watt Resistor
R8	1M Ohm 0.6 Watt Resistor
R9	1M Ohm 0.6 Watt Resistor
R10	1M Ohm 0.6 Watt Resistor
R11	1M Ohm 0.6 Watt Resistor
LED1	5V Green LED
SL1	Berg Connector
SL2	
SL3	
JP1	3 Position Jumper
JP2	3 Position Jumper
OS	Reflective Optical Switch

Zer@x Circuit Board