

Part	Quantity	Designator/s	
[BASE MODEL] - included in full kit.			
		Logic Board	Control Board
ICs			
CD40106 Hex Inverter	1	IC1	
CD4017 Decade Counter	1	IC2	
CD4011 Quad NAND Gate	1	IC3	
TLC272 Dual Op-amp **	1	IC4	
** You can also use TLV272, or pretty much any other TL-series linCMOS single supply op-amp with the same pinout.			
Capacitors			
.1uF Ceramic Capacitor (5mm spacing)	4	C1, C3, C6, C7	
2.2uF Electrolytic Capacitor	1	C2	
10uF Electrolytic Capacitor	1	C4	
Diodes			
5mm High Intensity LED	8		LED1-8
1N914 Small Signal Diode	21	D1, D2, D3, D4, D5	D1-8, D2.1-8
Resistors			
Alpha 9mm PCB Mount 100k Potentiometer	8		CV1-8
1M Linear Potentiomer (panel mount)	1	P1	
100k Resistor	3	R1, R2, R7	
10k Resistor	11	R5, R6, R8	R1-8
1k Resistor	2	R3, R4	
Switches			
PCB Mount on-off-on Vertical Toggle Switch	8		S1-8
[PARTS YOU MUST GET] - NOT included in full kit!			
Output Jacks (1/4", Banana, 1/8", etc.)	2	CV Out, GATE Out	
SPDT Toggle Switch (only if building standalone!)	1	Power	
9V Battery Clip (only if building standalone!)	1	GND, +V	
[OPTIONAL PARTS] - NOT included in full kit!			

[illegible]