

3CPO PARTS LIST

Package Contents	
	PCB 3CPO Front Panel
	Front Panel components
	PCB 3CPO Main board
	Main board components
	Small Hardware
	Chassis Components
	Speaker
	Manual

FRONT PANEL COMPONENTS			
Qty	Ref	Description	Markings
1	P1	Header Male 10 pin	
1	D4	LED 3mm Green	
1	D2	LED 3mm Red	
1	D1	LED 3mm Yellow	
	RV1		
2	RV2	Potentiometer 10K	RV09
1	R3	Resistor 1/4W 5% 1.8K ohm	Brown-Grey-Red-Gold
			Red-Red-Red-Gold
1	R4	Resistor 1/4W 5% 2.2K ohm	Sub 2% Red-Red-Red-Red
1	R1	Resistor 1/4W 5% 510 ohm	Green-Brown-Brown-Gold
1	R2	Resistor 1/4W 5% 560 ohm	Green-Blue-Brown-Gold
1	SW6	Switch DPDT 8x8 latching	
	SW1		
	SW2		
	SW3		
	SW4		
5	SW5	Switch DPDT 8x8 momentary	

Small Hardware			
Qty	Ref	Description	Markings
4		Hardware #4 standoff .250 Nylon	
4		Hardware #4 standoff .375 Nylon	
4		Hardware 4-40 nut	
2		Hardware L Bracket 4-40	
3		Hardware LED Bezel 3mm	
8		Hardware Screw 4-40x.625	
6		Hardware Switch Caps for 8x8	
8		Hardware Washer #4 Lock Int Tooth	

MAIN BOARD COMPONENTS			
Qty	Ref	Description	Markings
	C203 C204 C206 C301 C401 C403 7 C404	Capacitor Ceramic .01uF	103
1	C501	Capacitor Ceramic .01uF 100V	
	C208 C302 3 C304	Capacitor Ceramic .047uF	473
	C103 C202 3 C402	Capacitor Ceramic .1uF	104
1	C205	Capacitor Electrolytic 1uF	
1	C207	Capacitor Electrolytic 4.7uF	
	C101 2 C102	Capacitor Electrolytic 25V 100uF	
	C201 2 C305	Capacitor Electrolytic 25V 10uF	
1	C303	Capacitor Electrolytic 25V 220uF	
	D101 D501 3 D502	Diode 1N4007	
	D201 D202 D401 4 D403	Diode 1N4148	
	D402 2 D404	Diode 1N5231 or 1N4733	
1	J101	Header Female Right Angle 10 pin	
1	JP201	Header Male 2 pin	
1	U101	IC 78L05	
1	U201	IC LM358	
1	U301	IC LM386N-1	
1	U401	IC ATTINY85 Programmed	
	R402 R403 R405 4 R406	Resistor 1/4W 5% 1.2K ohm	Brown-Red-Red-Gold
1	R302	Resistor 1/4W 5% 10 ohm	Brown-Black-Black-Gold
	R202 R218 3 R219	Resistor 1/4W 5% 100K ohm	Brown-Black-Yellow-Gold

MAIN BOARD COMPONENTS			
Qty	Ref	Description	Markings
	R201 R204 R205 R207 R208 R209 R210 R213 R301		
10	R503	Resistor 1/4W 5% 10K ohm	Brown-Black-Orange-Gold
	R211 R216		
3	R504	Resistor 1/4W 5% 1M ohm	Brown-Black-Green-Gold
	R203 R206 R214		
4	R505	Resistor 1/4W 5% 2.2K ohm	Red-Red-Red-Gold Sub 2% Red-Red-Red-Red
	R217		
2	R501	Resistor 1/4W 5% 22K ohm	Red-Red-Orange-Gold Sub 2% Red-Red-Orange-Red
	R212		
2	R215	Resistor 1/4W 5% 3.3K ohm	Orange-Orange-Red-Gold Sub 2% Orange-Orange-Red-Red
	R401 R404 R502		
4	R506	Resistor 1/4W 5% 4.7K ohm	Yellow-Violet-Red-Gold Sub 2% Yellow-Violet-Red-Red
1	R101	Resistor 1/4W 5% 470 ohm	Yellow-Violet-Brown-Gold
1	R507	Resistor 1/4W 5% 47K ohm	Yellow-Violet-Orange-Gold Sub 2% Yellow-Orange-Violet-Red
1	JP201s	Shorting Block 2 pin	
	U201s U301s		
3	U401s	Socket DIP 8 pin	
	P102 P103		
3	P104	Terminal Block 2 pin 5mm	
1	P101	Terminal Block 3 pin 5mm	
	Q203		
2	Q502	Transistor MOSFET N 2N7000	
	Q201 Q202 Q501		
4	Q504	Transistor NPN 2N3904	
1	Q503	Transistor PNP 2N5401	

CHASSIS COMPONENTS			
Qty	Ref	Description	Markings
1		Jack Mono Socket Chassis 3.5mm	
1		Jack Power 2.1mm	
1		Jack Stereo Socket Chassis 3.5mm	
1		Plug Mono 3.5mm	
1		Plug Power 2.1mm	
1		Plug Stereo 3.5mm	
1		Wire 22ga Black Strnd (ft)	
0.25		Wire 22ga Green Strnd (ft)	
0.25		Wire 22ga Red Strnd (ft)	
0.25		Wire 22ga Yellow Strnd (ft)	
0.25		Wire 22ga Brown Strnd (ft)	
0.25		Wire 22ga White Strnd (ft)	