

Part	Qty	Value	Device	Package
<b>CONTROL BOARD</b>				
J1-J16	16	I/O Jacks	PJ-301BM	
S1-S8	8	PS850L	8.5*8.5 SELF LOCKING SWITCH VERTICAL	
S1-S8	8	SWITCH CAP D6mm*L6mm		
JP1	1		PIN HEADER 1X16 Female	
JP2	1		PIN HEADER 1X10 Female	
JP3	1		PIN HEADER 1X4 Female	
<b>MAIN BOARD</b>				
C1, C2, C5, C7	4	47p	CAPACITOR ceramic, C025-025X050	
C3, C4, C6, C7	4	220n	CAPACITOR film, C050-025X075	
C9, C10	2	100uF 25V	CAPACITOR electrolytic E2,5-6	
C11, C12, C13, C14	4	100n	CAPACITOR ceramic C050-025X075	
C15, C16, C17, C18	4	100n	CAPACITOR ceramic SMD 1206	
D1, D2	2	1n4004	DIODE, general purpose	
IC1, IC3	2	TL072	DUAL OPAMP DIL-08	
IC2, IC4	2	NE5532	DUAL OPAMP DIL-08	
J1, J2, J3	3	MTA04-100	CONN HEADER VERT 4POS .100	
	3	MTA04-100 wire housing	CONN RECEPT 4POS 24AWG MTA100	
	3	MTA04-100 wire housing cover	CONN DUST COVER 4POS CLOSED	
J4	1	POWER	PIN HEADER 2X5 MALE	
JP1	1		PIN HEADER 1X16 Male	
JP2	1		PIN HEADER 1X10 Male	
JP3	1		PIN HEADER 1X4 Male	
R1, R2, R3, R4, R5, R6, R7, R8, R9	20	47k	RESISTOR MF 1/4W 1%	
R11, R12, R25, R26	4	16k	RESISTOR MF 1/4W 1%	
R13, R14, R27, R28	4	470k	RESISTOR MF 1/4W 1%	
R15, R17, R29, R32	4	220	RESISTOR MF 1/4W 1%	
R33, R34	2	1	RESISTOR MF 1/4W 1%	
<b>MECHANICAL PARTS</b>				
BRASS PCB SPACER M3*10	4		Brass Standoff Spacer M3 Male x M3 Female -5mm Thread 10mm	
BRASS PCB SPACER M3*12	4		Brass Standoff Spacer M3 Male x M3 Female -5mm Thread 12mm	
WASHER M3*1	4			
HEX NUT M3	4			
A2 ALLEN SCREW M3*6	4			