

Type	Value	Qty	All parts	Description	PCB1 qty	PCB1 parts	PCB2 qty	PCB2 parts	PCB3 qty	PCB3 parts
Power header	2x5pin	1	POWER	Euro power connector.			1	POWER		
Socket strip	1x8pin	3	CON1-PCB1, CON2-PCB1, CON3-PCB1	8 pin female connector. 0.1in/2.54mm	3	CON1-PCB1, CON2-PCB1, CON3-PCB1				
Pin strip	1x8pin	3	CON1-PCB2, CON2-PCB2, CON3-PCB2	8 pin male connector. 0.1in/2.54mm			3	CON1-PCB2, CON2-PCB2, CON3-PCB2		
Socket strip	1x10pin	1	CON4-PCB3	10 pin female connector. 0.1in/2.54mm					1	CON4-PCB3
Pin strip	1x10pin	1	CON4-PCB2	10 pin male connector. 0.1in/2.54mm			1	CON4-PCB2		
Resistor	249R	5	R3, R4, R5, R6, R32	Ca 3.5mm long body / LED resistors	5	R3, R4, R5, R6, R32				
Resistor	3.3k	7	R29, R30, R31, R37, R38, R39, R40	Ca 3.5mm long body					7	R29, R30, R31, R37, R38, R39, R40
Resistor	22k	8	R11, R12, R13, R14, R19, R53, R57, R58	Ca 3.5mm long body	7	R11, R12, R13, R14, R53, R57, R58			1	R19
Resistor	10k	10	R15, R16, R17, R18, R21, R22, R44, R45, R46, R54	Ca 3.5mm long body	5	R15, R16, R17, R18, R54	2	R21, R22	3	R44, R45, R46
Resistor	100k	19	R7, R8, R9, R10, R20, R23, R24, R25, R26, R27, R28, R41, R42, R43, R47, R52	Ca 3.5mm long body	4	R7, R10, R55, R56	4	R23, R24, R25, R26	11	R8, R9, R20, R27, R28, R41, R42, R43, R47, R52, R59
Resistor	10R	2	R1, R2	Ca 7mm long body. Min 0.25W			2	R1, R2		
Resistor	430R	8	R33, R34, R35, R36, R48, R49, R50, R51	Ca 7mm long body. Min 0.35W. 410-470R			8	R33, R34, R35, R36, R48, R49, R50, R51		
MLCC / disc	15pF	1	C11	2.5-2.54mm pin pitch			1	C11		
MLCC / disc	4.7nF	2	C21, C27	2.5-2.54mm pin pitch					2	C21, C27
MLCC	100nF	21	C1, C2, C6, C7, C8, C9, C10, C12, C13, C14, C15, C16, C17, C18, C19, C20, C22, C23, C24, C25, C26	X7R 2.5-2.54mm pin pitch	6	C7, C8, C9, C10, C22, C25	10	C1, C2, C6, C13, C14, C15, C16, C23, C24, C26	5	C12, C17, C18, C19, C20
Electrolytic	10uF	2	C3, C4	2.5mm pin pitch, 5mm dia, max 9mm height, min 25V			2	C3, C4		
Electrolytic	100uF	1	C5	2.5mm pin pitch, 6.3mm dia, max 9mm height, min 16V			1	C5		
Diode	1N4148	12	D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14		6	D3, D4, D5, D6, D7, D8	2	D9, D10	4	D11, D12, D13, D14
Diode	1N5818	2	D1, D2	1N5817-1N5819			2	D1, D2		
IC Socket	DIP14	5	IC1, IC2, IC3, IC4, IC8		2	IC1, IC2	1	IC3	2	IC4, IC8
CD4xxx	4081N	1	IC1	DIP14	1	IC1				
CD4xxx	40106N	2	IC2, IC3	DIP14	1	IC2	1	IC3		
OpAmp	TL084	1	IC4	DIP14, alt: TL074					1	IC4
Comparator	LM339	1	IC8	DIP14					1	IC8
IC Socket	DIP16	5	IC5, IC6, IC7, IC9, IC10				4	IC5, IC6, IC7, IC9	1	IC10
CD4xxx	4516N	1	IC5	DIP16			1	IC5		
Switch IC	DG409DJ	2	IC6, IC7	DIP16			2	IC6, IC7		
CD4xxx	4052N	1	IC9	DIP16			1	IC9		
CD4xxx	4043N	1	IC10	DIP16					1	IC10
Jack	3.5mm	12	FWD, HLD, I/O1, I/O2, I/O3, I/O4, O/I1, O/I2, O/I3, O/I4, RES, REV	PJ301M-12 / Thonkiconn / Inline	12	FWD, HLD, I/O1, I/O2, I/O3, I/O4, O/I1, O/I2, O/I3, O/I4, RES, REV				
Transistor	FJN3303R	3	Q1, Q2, Q3		3	Q1, Q2, Q3				
Volt reg	LM2931 5V	1	RG1				1	RG1		
Toggle Switch	SPDT on/off/on	1	SW2		1	SW2				
Toggle Switch	SPDT on/on	1	SW1		1	SW1				
Tactile Switch	SPST off/(on)	2	SW3, SW6	C&K D6R 00/white	2	SW3, SW6				
Tactile Switch	SPST off/(on)	2	SW4, SW5	C&K D6R 40/red	2	SW4, SW5				
LED	green	2	L1, L4	3mm	2	L1, L4				
LED	orange	6	L2, L3, L5, L6, L7, L8	3mm	6	L2, L3, L5, L6, L7, L8				
Power cable	10pin - 16pin IDC	1								
Mounting screws	M3x6 black	2								
PCB		3	PCB1, PCB2, PCB3							
Panel	PCB material 8hp	1								
spacers	11mm	2								
nuts	for spacers	2								
screws	for spacers	2								