



Part List for the Pre-5

Part Number	Description . . . Mouser		Size	Spacing	Lead	Drill	Alternate	Size
Capacitors								
C1,C5	10µf 500V 75-MKP1848C61050JK2	2	32x18mm	27.5mm	0.8mm	0.046		
C2,C8	22µf 350V 647-UCY2V220MPD	2	10x25mm	5mm	0.6mm	0.035		
C3,C7,C14	470n 250V 81-RDER72E474K4K1H3B	3	7.5x5.5mm	5mm	0.5mm	0.029		
C4,C6	56pf 250V 81-RCE5C2E560J1K1H3B	2	4x3.15mm	5mm	0.5mm	0.029		
C9,C19	470µf 16V 647-UHE1C471MPD	2	15x8mm	3.5mm	0.6mm	0.035		
C10,C11	15pf 250V 81-RCE5C2E150J1K1H3B	2	4x3.15mm	5mm	0.5mm	0.029		
C12	100n 25V 80-C320C104J3G5TA	1	5.08x3.18mm	2.54mm	0.51mm	0.029		
C13,C15	470µf 6.3V 661-APSE6R3L471MF08S	2	8x6.3mm	2.5mm	0.5mm	0.029		
C16	220µf 16V 647-UVK1C221MED	1	11x6.3mm	2.5mm	0.5mm	0.029		
C17	1µf 50V 505-MKS2B041001C00JS	1	7.2x3.5mm	5mm	0.5mm	0.029		
Diodes								
D1,D3	1N4746A 512-1N4746A	0	5.2x2.72mm	10.16mm	0.86mm	0.04		
D2,D4	1N4740A 512-1N4740A	2	5.2x2.72mm	10.16mm	0.86mm	0.04		
D6	1N4001 512-UF4001	1	5.2x2.72mm	10.16mm	0.86mm	0.04		
D8	1N4148 512-1N4148	1	4.56x1.91mm	7.62mm	0.533mm	0.029		
Miscellaneous								
RLY1	RY-5W-K 817-RY-5W-K	1	DIP-16	7.62mm		0.04		
U1	Tube Socket . . . P-ST9-222	1	0.75 inch			0.067	tubesandmore.com	
U2	NE556 595-NE556N	1	DIP-14	2.54mm	0.029			
U3	LT1086-5 584-LT1086CT-5#PBF	1	TO-220	2.54mm	0.04			
U6,U7	LM334 926-LM334Z/LFT1	2	TO-92	2.54mm	0.029			
HS1,HS2	Heatsink 532-SW25-4	2		25.4mm		0.11		
Resistors								
R1,R10,R17,R18	1M 1/2W 71-CMF551M0000FHFB	4	7.37x2.29mm	12.7mm	0.64mm	0.035		
R2,R6,R23,R32,R37,R38	100 1/2W 71-CCF55100RFKE36	6	7.37x2.29mm	12.7mm	0.64mm	0.035		
R3,R21	150 1/2W 71-CMF55150R00FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R4,R20	20 1/2W 71-CMF5520R000DHR6	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R5,R22	80.6k 1/2W 71-CMF5580K600FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R7,R19	432 1/2W 71-CMF55432R00FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R8,R24	1k 2W 594-5083NW1K000J	2	12x3.9mm	17mm	0.78mm	0.043	71-CCF2-J-1K	
R9,R25	392 1W 71-CMF60392R00FHFB	2	10.8x4mm	16.5mm	0.64mm	0.035		
R11,R12	50k POT 72-T93YA-50K	2	9.7x5mm	2.54mm	0.5mm	0.029		
R13,R14	620 1/2W 71-CMF55619R00FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R15	165 1/2W 71-CMF55165R00DHR6	1	7.37x2.29mm	12.7mm	0.64mm	0.035		
R16	249k 1/2W 71-CMF55249K00BEEB	1	7.37x2.29mm	12.7mm	0.64mm	0.035		
R26	120k 1/2W 71-CMF55121K00FKEK	1	7.37x2.29mm	12.7mm	0.64mm	0.035		
R27,R28	75k 1/2W 71-CMF5575K000FKEK	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R29,R30	47.5k 1/2W 71-CMF5547K500FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R31	43 1W 594-5073NW43R00J	1	8.00x2.5mm	15.24mm	0.58mm	0.035		
R33,R34	61.9 1/2W 71-CMF5561R900DHR6	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
R35	1k 1/2W 71-CMF551K0000FHFB	1	7.37x2.29mm	12.7mm	0.64mm	0.035		
R36,R39	15 1/2W 71-CMF5515R000FHFB	2	7.37x2.29mm	12.7mm	0.64mm	0.035		
Terminal Blocks								
J1,J2	3-pin 490-TB003-500-P03BE	2	15x7.8mm	5mm	1mm	0.052	490-TB001-500-03BE	15x9.0mm
J3,J4,J5,J7	2-pin 490-TB003-500-P02BE	4	10x7.8mm	5mm	1mm	0.052	490-TB001-500-02BE	10x9.0mm
J6	4-pin 490-TB003-500-P04BE	1	20x7.8mm	5mm	1mm	0.052	490-TB001-500-04BE	20x9.0mm
Transistors								
Q1,Q2,Q3,Q7,Q10, Q11,Q13,Q14	KSA992 512-KSA992FBTA	8	TO-92	2.54mm		0.029		
Q4,Q9	FQP3P50 512-FQP3P50	2	TO-220	2.54mm		0.04		
Q5,Q8	MJE350 863-MJE350G	2	TO-225	2.54mm		0.04		
Q6,Q12	IXCP10M45S 747-IXCP10M45S	2	TO-220	2.54mm		0.04	747-IXCP10M90S	
Q17,Q18	DN2540 689-DN2540N3-G	2	TO-92	2.54mm		0.029		