

Item	Quantity	Reference	Part	Package	Remark
Capacitors					
1	27	C1,C2,C3,C6,C7,C9,C10, C12,C13,C14,C15,C16,C17, C18,C19,C21,C32,C34,C37, C47,C50,C53,C54,C58,C59, C60,C66	0.1uF	0805 SMD	
2	2	C33,C4	100pF	0805 SMD	
3	5	C5,C8,C11,C22,C23	22pF	0805 SMD	
4	2	C42,C20	1uF 35V	B-case SMD	
5	2	C24,C25	1000uF 50V EL.Cap	THD	
6	6	C26,C30,C35,C38,C40,C64	0.22uF	0805 SMD	
7	6	C27,C29,C36,C39,C41,C48	10uF 25V	B-case SMD	
8	1	C28	22uF 16V	B-case SMD	
9	1	C31	150uF 25V	FK SMD	
10	6	C43,C45,C46,C49,C51,C52	1000pF	0805 SMD	
11	1	C44	5.6pF	0805 SMD	
12	3	C55,C56,C57	0.015uF	0805 SMD	
13	3	C61,C62,C63	0.01uF	0805 SMD	
14	1	C65	22uF /16V	B-case SMD	
15	1	C67	100uF/25V	FK SMD	
Jumpers & Connectors					
16	1	DB1	HALL SENSOR SIGNALS	Burg Strip	
17	1	DB2	BACK EMF	Burg Strip	
18	1	DB3	PHASE CURRENT	Burg Strip	
19	1	DB4	SPARE SIGNALS 2	Burg Strip	
20	1	DB5	SPARE SIGNALS 1	Burg Strip	
21	1	DB6	PWM+FO	Burg Strip	
22	3	JP1,JP2,JP3	Gain Bypass	Burg Strip	
23	1	JP4	H/B_W	Burg Strip	
24	1	JP5	H/B_V	Burg Strip	
25	1	JP6	HEADER 4X2	Burg Strip	
26	1	JP7	LCD 0802	Burg Housing	
27	1	JP8	HEADER 3	Burg Strip	
28	1	JP9	JUMPER	Burg Strip	
29	1	J1	24V/36V DC	3 Pin connector	
30	1	J1A	DC Jack	DC Jack	
31	1	J2	MSTBA 2.5/4-G-5.08	4 Pin connector	
32	1	J3	MSTBA 2.5/5-G-5.08	5 Pin connector	
33	1	J4	RS232	Connector DB9	
34	1	J5	E8/E8A Emulator	Burg BOX	

Diodes					
35	11	D4,D5,D6,D7,D11,D15,D16, D17,D18,D19,D20	LED	1206 SMD	
36	4	D8,D12,D13,D14	BAT54S	SOT23	
37	1	D9	MMBZ5231B	SOT23	
38	5	D10,D21,D22,D23,D24	BAS70	SOT23	
39	1	D25	BAS70-05/SOT	SOT23	
40	1	D26	MM3Z11VT1G	SOD23	
41	1	D27	MRA4003T3	SOD23	
42	1	D28	NA	SOD23	
Resistor					
43	1	RV2	14Ø60	THD	
44	4	R1,R10,R23,R60	DNF	0805 SMD	
45	8	R2,R3,R8,R11,R115,R116, R117,R119	1K	0805 SMD	
47	16	R4,R6,R12,R13,R16,R17, R24,R25,R36,R37,R38, R46,R107,R108,R109, R118,	10K	0805 SMD	
48	1	R43	10K Vertical through hole	THD	
49	1	R44	10K Trimpot smd	SMD	
50	1	R120	10K Mult turn Preset	SMD	
51	1	R5	4.99K	0805 SMD	
52	3	R7,R18,R26	100K	0805 SMD	
53	3	R9,R22,R29	200K	0805 SMD	
54	3	R19,R48,R121	100E	0805 SMD	
55	19	R39,R40,R41,R42,R65,R68, R72,R75,R78,R81,R102, R103,R105,R106,R110,R111, R112,R113,R114	330E	0805 SMD	
56	2	R59,R45	4K7	0805 SMD	
57	4	R47,R91,R92,R93	90.9K	0805 SMD	
58	2	R49,R53	4.99K	0805 SMD	
59	6	R50,R51,R52,R87,R88,R89,	0E	0805 SMD	
60	1	R122	short		
61	1	R54	0.05, 5W	THD	Not Mounted
62	1	R54A	0.05, 5W	SMD	
63	3	R55,R56,R77	49.9K	0805 SMD	
64	1	R57	100K	0805 SMD	
65	5	R58,R61,R95,R96,R97	10K	0805 SMD	
66	1	R62	6.8K	0805 SMD	
67	6	R63,R66,R71,R74,R76,R80	4.7K	0805 SMD	

68	1	R64	15K	0805 SMD	
69	2	R67,R73	140K	0805 SMD	
70	1	R69	10K	0805 SMD	
71	1	R70	2K2	0805 SMD	
IC Transistors & Other Semiconductors					
72	1	Q1	2N7002	SOT23	
73	1	U2	LM339DR2G	SOIC	
74	1	U3	MC33204DR2G	SOIC	
75	4	U4,U5,U6,U7	6N137	SMD	
76	1	U8	MC78M15CDT/RK	DPACK	
77	1	U9	MC78M05CDT/RK	DPACK	
78	1	U10	IRAMS10UP60A	THD	
79	1	U11	MC33201DR2G	SOIC	
80	1	U12	MC14066BDR2	SOIC	
81	2	U14,U15	MC74HC14ADR2	SOIC	
82	1	U16	ICL3222CAZ	SSOP	
83	1	U17	R8C25	QFP	
84	1	U20	IL712 - 3E	SOIC	Not Mounted in first five PCs
85	1	U20A	ISO17221C	SOIC	
86	1	U21	NCV553SQ50T1G	SC82	
Misc					
87	1	SW1	SW3	SMD	
88	1	SW2	SW2	SMD	
89	1	SW3	SW1	SMD	
90	1	SW4	RESET	SMD	
91	1	F1	Fuse Holder for 5 X 20mm	THD	
92	1	L1	100uH	1812 SMD	
93	1	Y1	20MHz	49S-SMD	
94	1	HS1	Heat Sink	Finned type	L Shaped will be provided for Remaing PCs
95	1	LCD1	ACM0802C	LCD Module, 2x8	AZ Displays
96	11	Shorting Caps	2pin		
97	1	Fuse	5 X 20mm Glass type 10A		
98	4	Nut & Bolt for LCD	2mm X 20mm + 12mm Spacer		
99	4	Nut with Isolator	3mm X 12mm		
100	1	Glass sheet	0.5mm X 10mm X 70mm with holes		
101	1	PCB	MCRP R8C25 PCB	Glass Epoxy 15 X 15 CM2	