

BOLD AMP BILL OF MATERIALS									
ITEM	TYPE	NO	SIZE	VALUE	DESIGNATOR	DESCRIPTION	TOLE RANCE	BRAND	QUANTITY PER PCS
CAPACITOR	ELECT-CAP	1	5X7MM	22uF/25V	C19,C20,C42,C43, C65,C72,C79,C88	EKRG250ELL22ML07D ELECT-CAP 22uF/25V KRG	20%	NIPPON CHEMICON	8
		2	4X7MM	10uF/25V	C11,C34	EKRG250ELL10ML07D ELECT-CAP 10uF/25V KRG	20%	NIPPON CHEMICON	2
		3	8X9MM	330uF/16V	C61,C47	EKRG160ELL331ML09D ELECT-CAP 330uF/16V KRG	20%	NIPPON CHEMICON	2
		4	16X25MM	1000uF/50V	C66,C68,C75,C76,C82,C86	ELZX500EML102ML25S ELECT-CAP1000uF/50V LZX	20%	NIPPON CHEMICON	6
		5	6.3X9MM	100uF/25V	C67,C69,C73,C74, C77,C78,C83,C87	EKRG250ELL101ML09D ELECT-CAP100uF/25V KRG	20%	NIPPON CHEMICON	8
		6	35X50MM	2200uF/200V	C53,C54,C55,C56	KMM200VSSN2200M35F SNAP-IN-CAP2200uF/200V KMM	20%	NIPPON CHEMICON	4
		7	35X40MM	4700uF/100V	C1,C22,C24,C45	SMH100VSSN4700M35D SNAP-IN-CAP4700uF/100V SMH	20%	NIPPON CHEMICON	4
		8	30X30MM	2200uF/100V	C89,C90,C95,C96	SMH100VSSN2200M30B SNAP-IN-CAP2200uF/100V SMH	20%	NIPPON CHEMICON	4
	TANTALUM SMD-CAP	9	SMD C CASE 3.2X6MM	22uF/25V	C3,C4,C5,C13,C21,C26, C27,C28,C36,C44	TAJJC226K025RNJ TANT-CAP22uF/25V	10%	AVX	10
		10	SMD C CASE 3.2X6MM	10uF/25V	C39,C40	TAJJC106K025RNJ TANT-CAP10uF/25V	10%	AVX	2
	CERAMIC SMD-CAP	11	0805 SMD	4700pF/250V	C62,C63,C70,C71	GCJ21AR72E472KXJ1D CER-CAP 4700pF/250V	10%	SAMSUNG	4
		12	0805 SMD	0.1uF/100V	C80,C81,C84,C85,C32,C35	08051C104K4Z2A CER-CAP 0.1uF/100V	10%	AVX	6
		13	0805 SMD	150pF/250V	C6,C10,C29,C33	UQCFVA151JAT2A CAP RF 150PF/250V	5%	AVX	4
		14	0805 SMD	0.22uF/100V	C37	08051C224K4Z2A CER-CAP 0.22uF/100V	10%	AVX	1
		15	0805 SMD	3200pF/250V	C38	GCJ21AR72E332KXJ1D CER-CAP 3200pF/250V	10%	SAMSUNG	1
		16	0805 SMD	100pF/250V	C33	UQCFVA101JAT2A CAP RF 100PF/250V	5%	AVX	1
		17	0805 SMD	0.01uF/250V	C34	GRM21AR72E103KW01D CER-CAP 0.01uF/250V	10%	SAMSUNG	1
		18	0805 SMD	1000pF/250V	C7,C8,C9,C18,C30,C31, C32,C41,C48,C49,C50,C36	GRM21AR72E102KW01D CER-CAP 1000pF/250V	10%	SAMSUNG	11
	METAL POLY CAP	19	4.5X10.5X13	0.1uF/250V	C2,C14,C15,C16,C17, C23,C37,C38,C39, C40,C91,C92,C97,C98	PHE426HJ6100JR05 METAL POLY CAP 104/250V	5%	RIFA	14
		20	7.5X14.5X18	0.47uF/250V	C12,C35	PHE426HB6470JR06 METAL POLY CAP 474/250V	5%	RIFA	2
		21	7.5X14.5X18	0.1uF/630V	C51,C52,C93,C94	PHE426MB6100JR06 METAL POLY CAP 104/630V	5%	RIFA	4
	HIGH VOTAGE CERAMIC CAP	22	2X10MM	1000pF/1KV	C57,C58,C59,C60	CH-2KVY5VE103M HIGH VOLTAGE CER CAP 103/2KV	20%	DERSONIC	4
		23	2X10MM	470pF/1KV	C64	CH-2KVY5VE471M HIGH VOLTAGE CER CAP 471/2KV	20%	DERSONIC	1
RESI	CARBON FILM 0805 SMD	24	0805 SMD	100R	R1,R5,R91,R93	CARBON FILM RES 101-1/8W	5%	FONGYA	4
		25	0805 SMD	33K	R2,R48	CARBON FILM RES 333-1/8W	5%	FONGYA	2
		26	0805 SMD	10K	R4,R16,R17,R18,R19,R32, R33,R34,R35,R36,R50,R61, R62,R63,R64,R77,R78,R79, R80,R81,R90,R98,R105, R106,R108,R109,R111, R112,R123,R136,R23,R24,R25	CARBON FILM RES 103-1/8W	5%	FONGYA	33
		27	0805 SMD	3.6K	R51,R6	CARBON FILM RES 362-1/8W	5%	FONGYA	2
		28	0805 SMD	5.6K	R52,R7	CARBON FILM RES 562-1/8W	5%	FONGYA	2
		29	0805 SMD	4.7R	R8,R9,R10,R11,R37,R38, R39,R40,R53,R54,R55,R56, R82,R83,R84,R85,R122	CARBON FILM RES 4R7-1/8W	5%	FONGYA	17
		30	0805 SMD	330R	R59,R14	CARBON FILM RES 331-1/8W	5%	FONGYA	2
		31	0805 SMD	100K	R21,R66,R97,R101, R107,R120,R133,R26,R29, R31,R36,R37,R38,R39	CARBON FILM RES 104-1/8W	5%	FONGYA	14
		32	0805 SMD	10R	R22,R67	CARBON FILM RES 10R-1/8W	5%	FONGYA	2
		33	0805 SMD	360R	R72,R27	CARBON FILM RES 361-1/8W	5%	FONGYA	2
		34	0805 SMD	8.2K	R75,R30,R40,R27	CARBON FILM RES 822-1/8W	5%	FONGYA	4
		35	0805 SMD	4.7K	R31,R41,R47,R76, R92,R94,R96,R99	CARBON FILM RES 472-1/8W	5%	FONGYA	8
		36	0805 SMD	5K	R41	CARBON FILM RES 502-1/8W	5%	FONGYA	1
		37	0805 SMD	2.2K	R42,R86,R126	CARBON FILM RES 222-1/8W	5%	FONGYA	3
		38	0805 SMD	3.3K	R87,R43	CARBON FILM RES 332-1/8W	5%	FONGYA	2
		39	0805 SMD	47K	R44,R46,R100,R110	CARBON FILM RES 473-1/8W	5%	FONGYA	4

S T O R		40	0805 SMD	46.4K	R30	CARBON FILM RES 4642-1/8W	5%	FONGYA	1
		41	0805 SMD	316R	R28,R33	CARBON FILM RES 316R-1/8W	5%	FONGYA	2
		42	0805 SMD	715R	R89	CARBON FILM RES 715R-1/8W	5%	FONGYA	1
		43	0805 SMD	1K	R95,R102,R103,R104, R132,R135,R137,R32	CARBON FILM RES 102-1/8W	5%	FONGYA	8
		44	0805 SMD	75R	R116,R117,R118,R119, R124,R125,R127,R128	CARBON FILM RES 75R-1/8W	5%	FONGYA	8
		45	0805 SMD	7.5K	R35	CARBON FILM RES 752-1/8W	5%	FONGYA	1
		46	0805 SMD	6.98K	R34	CARBON FILM RES 6981-1/8W	5%	FONGYA	1
		47	0805 SMD	3.48K	R130	CARBON FILM RES 3481-1/8W	5%	FONGYA	1
		48	0805 SMD	2K	R131	CARBON FILM RES 202-1/8W	5%	FONGYA	1
	CARBON FILM 1206 SMD	49	1206 SMD	4R7	R49,R3	CARBON FILM RES 4R7-1/4W	5%	FONGYA	2
		50	1206 SMD	10R	R13,R28,R58,R73	CARBON FILM RES 10R-1/4W	5%	FONGYA	4
	CARBON FILM 2512 SMD	51	2512 SMD	220R	R134	CARBON FILM RES 221-1W	5%	FONGYA	1
		52	2512 SMD	2.2K	R20,R65	CARBON FILM RES 222-1W	5%	FONGYA	2
		53	2512 SMD	5.1K	R29,R45,R74,R88	CARBON FILM RES 512-1W	5%	FONGYA	4
	METAL FILM 0805 SMD	54	0805 SMD	130K	R57,R12	METAL FILM RES 133-1/8W	1%	FONGYA	2
		55	0805 SMD	3K	R60,R15	METAL FILM RES 302-1/8W	1%	FONGYA	2
	CERMENT POWER RESISTOR	56	12.5X9X25	47R	R23,R24,R25,R26, R68,R69,R70,R71,R121	PRM5-47RK WIRE WOUND RES 47R/5W	5%	XICON	9
		57	12.5X9X50	4.7K	R113,R115	PRM10-472K POWER FILM RES 4.7K/10W	5%	XICON	2
		58	12.5X9X50	1K	R114	PRM10-103K POWER FILM RES1K/10W	5%	XICON	1
	CARBON FILM	59	5X13MM	1K	R129	RES 103/2W CARBON FILM RES 1K/2W	5%	C.C.O	1
D I O D E	BRIDGE DIODE	60	28.6X28.6	KBPC3506	DB1,DB2,DB3	BRIDGE RECTIFIER 600V/35A KBPC3506		COLLMER	3
		61	10X30	2KBP01M 3N254	DB4	BRIDGE RECTIFIER 100V/2A 2KBP01M/3N254		FAIRCHILD	1
	DIODE ZENER SOD-123 SMD	62	SOD-123 SMD	MMSZ5232B	DZ1,DZ2,DZ3,DZ4	DIODE ZENER 5.6V/500mW MMSZ5232B	5%	ON	4
		63	SOD-123 SMD	MMSZ5234B	DZ3,DZ4,DZ5	DIODE ZENER 6.2V/500mW MMSZ5234B	5%	ON	3
		64	SOD-123 SMD	MMSZ5270B	DZ5	DIODE ZENER 91V/500mW MMSZ5270B	5%	ON	1
		65	SOD-123 SMD	MMSZ5262B	DZ6	DIODE ZENER 51V/500mW MMSZ5262B	5%	ON	1
		66	SOD-123 SMD	MMSZ5236B	DZ10,DZ7	DIODE ZENER 7.5V/500mW MMSZ5236B	5%	ON	2
		67	SOD-123 SMD	MMSZ5242B	DZ8,DZ9,DZ11	DIODE ZENER 12V/500mW MMSZ5242B	5%	ON	3
	FAST SWITCHING RECTIFIER DIODE	68	SOD-323 SMD	BAV19WS	D1,D6,D11,D12, D13,D14,D15,D13	FAST SWITCHING DIODE BAV19WS		DIODES	8
		69	403D SMD	MURA120T3G	D2,D3,D4,D5,D7,D8,D9,D10, D16,D17,D18,D19,D20,D21, D22,D23,D24,D25,D26,D27, D28,D29,D30,D31,D32,D35,D36	ULTRAFAST RECTIFIER DIODE 200V/1A MURA120T3G		ON	27
		70	TO-220-2P	FR805	D33,D34,D37,D38,D39,D40, D41,D42,D43,D44,D45,D46	ULTRAFAST POWER RECTIFIER DIODE 600V/8A TO-220 FR805		DIODES	12
M O S F E T	CLASSD MOSFET	71	TO-220	IRFB4227	M1,M2,M3,M4,M5,M6,M7,M8, M9,M10,M11,M12,M13,M14, M15,M16	POWER MOSFET N-CHANNEL 200V/65A IRFB4227		IR	16
	POWER SUPPLY MOSFET	72	TO-247	STY60NM50	M17,M18,M19,M20	POWER SWITCHING MOSFET N-CHANNEL 500V/60A STY60NM50		ST	4
T R A N S I S T O R	SMD TRANSISTOR	73	SOT23	VN0610LL	Q5	VN0610LL			1
		74	SOT23	ZXTN25100BFH	Q1,Q3,Q5,Q7	NPN TRANSISTOR 100V/3A ZXTN25100BFH		ZETEX	4
		75	SOT23	ZXTP25100BFH	Q2,Q4,Q6,Q8	PNP TRANSISTOR 100V/3A ZXTN25100BFH		ZETEX	4
		76	SOT23	MMBT5401	Q9,Q10,Q11,Q12,Q13	PNP TRANSISTOR 160V/600mA MMBT5401		ST	5
		77	SOT23	MMBT5551	Q14,Q15,Q16,Q17,Q18,Q20	NPN TRANSISTOR 160V/600mA MMBT5551		ST	6
		78	SOT223	FZT2222A	Q19	NPN TRANSISTOR 40V/600mA FZT2222A		ZETEX	1
	POWER TRANSISTOR	79	TO-220	TIP41C	Q21,Q22	NPN POWER TRANSISTOR 100V/6A TIP41C		FAIRCHILD	2
I C	OSC CLASSD	80	SOIC-16N	IRS2092S	U1,U2	OSC CLASSD IC IRS2092S		IR	2
	OPAM	81	SOIC-8N	LM258	U4,U6	OPAM LM258			2
	OSC POWER	82	SOIC-16N	SG3525ADW	U5	OSC POWER IC SG3525ADW			
	REGULAR	83	TO-220	LM7812	U3	IC REGULAR 12V LM7812		ST	1
		84	TO-220	LM7805	U4	IC REGULAR 5V LM7805		ST	1
		85	TO-220	LM7815	U5	IC REGULAR 15V LM7815		ST	1
		86	TO-220	LM7915	U6	IC REGULAR 15V LM7915		ST	1
	INTRUCTOR	87	T28X13X16MM	TOROIDAL SWITCHING TRANS 22uH	L1,L2	LOW PASS OUTPUT TRANSFORMER 22uH/60A		TDK	2

TRANSFORMER	50/60HZ TRANSFORMER	88		TRANSFOMER 2X12V 2W	T3	2X12V/2VA			1
	SWITCHING TRANSFORMER	89	T20X5X10MM	TOROIDAL SWITCHING TRANS	T4	SWITCHING TRANS ERR		TDK	1
		90		DRIVER EE TRANS	T2	SWITCHING EE TRANS ETD24 14:12X4		TDK	1
		91		SWITCHING EE TRANS	T5,T6,T7	SWITCHING EE TRANS ETD49 28:14X2		TDK	3
	LINE FILTER	92	T38X14X22MM	TOROIDAL SWITCHING TRANS 100uH	T1	LINE FILTER 100uH/30A		TDK	1
		93	T38X14X22MM	TOROIDAL SWITCHING TRANS 135uH	L3	LINE FILTER 135uH/60A		TDK	1
OTHER COMPONENTS	THEMISTOR	94	2X5MM	THEMISTOR NTC 2.2K At 25 oC	RTC1	THEMISTOR 222		TAYAO	1
		95	3X10MM	THEMISTOR NTC KC001L-ND	RT1	NTC KC001L-ND			1
	RELAY	96		RELAY12V/16A	LS1	RELAY12V/16A			1
	LED	97	3MM	LED RED 3MM	LED3,TEMP1,POFF1,ERDC1, CUROFF1,AOFF1,AOFF2	LED RED 3MM			7
		98	3MM	LED GREEN 3MM	STB1,PWON1,OSCON1,OSCON2	LED GREEN 3MM			4
	CONNECTOR	99		SPEAKER CONECCTOR PSZ-812-030	J2	SPEAKER CONECCTOR PSZ-812-030		ZHEYIANG	1
		100	XLR VERTICAL	XLR CONNECTOR	OUT1,IN1	XLR CONNECTOR			2
		101	10MMX3PIN	KF55C-3P-10.0	J5	KF55C-3P		KAIFENG	1
		102	2.54MMX10PIN	2.54 CONNECTOR	J5,J7	2.54X10PIN			2
	WAFE A2543	103	WAFE 2.54X3P	A2543-3A	J1	A2543-3A		LHE	1
		104	WAFE 2.54X2P	A2543-2A	FAN1,SW2	A2543-2A		LHE	2
		105	WAFE 2.54X9P	A2543-9A	J6	A2543-9A		LHE	1
	FUSE	106	1.5 INCH	FUSE	F1	30A			1
	SWITCH	107	4X4MM	SW 6PIN	SW1	SW 6PIN 4X4MM			1
		108		SW 6PIN 15A	SW3	SW 6PIN 110/220AC 15A			1
	PCB	109	140X350MM	PCB 2 LAYER	PCB	PCB 2 LAYER			1
	ALUMINIUM	110	180X350X5MM		ALUMINIUM PLATER	ALU PLATER 5MM			1