

☐ **Attachments 3 : List of Critical Components**

Component (Part no.)		Manufacturer(Brand)	Mode(Type)	Rating or Characteristics	Tested by
Plug		I-Sheng Manufacturing (SongGang) Factory	SP-022	250 V~, 16 A	CE
Cord		I-Sheng Manufacturing (SongGang) Factory	-	60227 IEC 53 (H05VV-F), 3G0.75 mm ²	CE
Appliance couplers (Connector)		I-Sheng Manufacturing (SongGang) Factory	IS-14	250 V~, 10 A	CE
Noise Filter Set	Appliance couplers (Appliance Inlet)	Dong il Technology Ltd	DAC-4	250 V~, 10 A	CE
	Noise Filter	Dong il Technology Ltd	IH-1022-H	250 V~, 10 A	CE
Current fuse Holder		Schurter AG	FPG 1	250 V~, 10 A	CE
Current Fuse		Suzhou Littelfuse OVS.LTD	312	250 V~, 5 A	CE
Rocker Switch (Power)		Ningbo Yinxian Lihe Switch Factory	RL2	250 V~, 16 A	CE
Micro-Switch (Control_6EA)		Qingdao Daesung Electronics Co., Ltd	VP333A-0D	250 V~, 5 A	CE
TFT-LCD (Top)		LG Display Co., Ltd	LM230WF3	12d.c., 0.475 A	CE
SMPS (TFT-LCD_Top)		Yantai Sam Hwa Polymers Co., Ltd.	SAD04212-UV- 36	100-240 V~, 50/60 Hz, 1.0 A (O/P : 12 Vd.c., 3 A)	CE
TFT-LCD (Bottom)		LG Display Co., Ltd	LM230WF3	12d.c., 0.475 A	CE
직류전원장치 (TFT- LCD_Bottom)		Yantai Sam Hwa Polymers Co., Ltd.	SAD04212-UV- 36	100-240 V~, 50/60 Hz, 1.0 A (O/P : 12 Vd.c., 3 A)	CE
SMPS Part(NES-50-24)					

PCB	SHUNDE JUNDA ELECTRONIC CO LTD	JD-D	V-0	CE
Current Fuse (FS1)	Suzhou Walter Electronic Co., Ltd	FSD 3.15A	250 V~, 3.15 A	CE
X-Capacitor (C1)	Weixu Electronics (Shenzhen) Co., Ltd.	GS-L	275 V~, 0.47 μ F, X2	CE
Line Filter(LF1)	Mean Well	LF-133-R1	15 mH, Class B	CE
X-Capacitor (C2)	Weixu Electronics (Shenzhen) Co., Ltd.	GS-L	275 V~, 0.1 μ F, X2	CE
Y-Capacitor (C3, C4)	PT.Samcon	SD	250 V~, 2 200 pF, Y1	CE
Y-Capacitor (C30)	PT.Samcon	SD	250 V~, 4 700 pF, Y1	CE
Transformer (S/W, T1)	Mean Well	TF-1013	Class B	CE
Y-Capacitor (C31)	PT.Samcon	SD	250 V~, 1 000 pF, Y1	CE
Photocouper (U2, U3)	SHARP	PC123	Viso : 5 000 Vrms	CE
SMPS Part (NES-75-12)				
PCB	SHUNDE JUNDA ELECTRONIC CO LTD	JD-D	V-0	CE
Current Fuse (FS1)	Suzhou Walter Electronic Co., Ltd	FSD 3.15A	250 V~, 4 A	CE
X-Capacitor (C1)	Weixu Electronics (Shenzhen) Co., Ltd.	GS-L	275 V~, 0.47 μ F, X2	CE
Line Filter(LF1)	Mean Well	LF-132-R1	15 mH, Class B	CE
X- Capacitor (C2)	Weixu Electronics (Shenzhen) Co., Ltd.	GS-L	275 V~, 0.1 μ F, X2	CE
Y- Capacitor (C3, C4)	PT.Samcon	SD	250 V~, 4 700 pF, Y1	CE

Y-Capacitor (C23)	PT.Samcon	SD	250 V~, 1s00 pF, Y1	CE
Y- Capacitor (C30)	PT.Samcon	SD	250 V~, 220 pF, Y1	CE
Transformer (S/W, T1)	Mean Well	TF-1302	Class B	CE
Y- Capacitor (C31)	PT.Samcon	SD	250 V~, 1 000 pF, Y1	CE
Photocupler (U2, U3)	SHARP	PC123	Viso : 5 000 Vrms	CE
SMPS (Mainboard)	Sea Sonic Electronics Co., Ltd	SS-350ES	100-240 V~, 50/60 Hz, 350 W	CE
Speaker (Built-in Amp)	Guangzhou Yingxin Electronic Limited Pan Yu Manufacture Base	S2-600B	220-240 V~, 50/60 Hz, 22 W	CE
Enclosure (Front)	LG Chemical	-	PP, HB	-
Enclosure	-	-	Wood	-

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NO	DESCRIPTION	SPECIFICATION	PACKAGE	U/PRICE	LOCATION	Q'TY	REMARK	VENDOR
1	IC MPU	ATmega8-16AU	TQFP		U1	1		ATMEL
2	IC TTL	74HC00PW	TSSOP		U2	1		
3	IC TTL	74HC123PW	TSSOP		U3	1		
4	IC TTL	MAX232	SOP		U4	1		
5	CRYSTAL	13.560MHz	ATS-49/U		X1	1		
6	DIODE-SW	EDS7000	SOT23		D1	1		
7	FET	2N7002	SOT23		F1	1		NXP
8	TR-NPN	BC817-25	SOT23		Q2~7	6		
9	LED	RED	1608		D2	1		
10	INDUCTOR	LCN0805T-R47J-N	2012		L3	1		YAGEO
11	INDUCTOR	NLV25T-100J-PFL	SMD		L1	1		
12	INDUCTOR	NLV25T-101J-PFL	SMD		L5,6	2		
13	BUZZER	KPX-G1205A	DIP		PZ1	1		(OSC / O)
14	HEADER	D-SUB9	ANGLE		P1	1		
15	CONNECTOR	SMW250-02	DIP		CN1	1		
16	CONNECTOR	SMW250-03	DIP		CN3	1		
17	CAP-C/C	20pF	1608		C1,2	2		
18	CAP-C/C	47pF	1608		C13	1		
19	CAP-C/C	68pF	1608		C6,9,10,11,12	5		
23	CAP-C/C	270pF	1608		C25,41	2		
24	CAP-C/C	470pF	1608		C7,21	2		
25	CAP-C/C	680pF	1608		C14,15	2		
27	CAP-C/C	1800pF	1608		C32	1		
28	CAP-C/C	4700pF	1608		C33	1		
29	CAP-C/C	6.8nF	1608		C19	1		
30	CAP-C/C	10nF	1608		C18,20,22,27,30	5		
31	CAP-C/C	100nF	1608		C16,31,40,CP1,2,3,4	7		
32	CAP-C/C	1uF	1608		C17,23,24,28,35,36,37,38	8		
33	CAP-C/C	4.7uF/16V	Type A		C3	1		
34	CAP-T/T	10uF/16V	Type B		C39	1		
35	CAP-T/T	100uF/10V	Type C		C42	1		
36	CAP	470uF/16V	전해			1		
37	RESISITOR	47	1608		R5,17,20,22,25,28,32	7		
38	RESISITOR	100	1608		R2	1		
39	RESISITOR	180	1608		R18	1		
40	RESISITOR	390	1608		R4,23	2		
41	RESISITOR	470	1608		R34,39	2		
42	RESISITOR	680	1608		R21	1		
43	RESISITOR	1K	1608		R9,11,14	3		
44	RESISITOR	1.5K	1608		R40,41	2		
45	RESISITOR	2K	1608		R24	1		
46	RESISITOR	2.2K	1608		R8,16,27,35	4		
47	RESISITOR	2.7K	1608		R29	1		
48	RESISITOR	4.7K	1608		R3,7,13,33	4		
49	RESISITOR	6.8K	1608		R15,26	2		
50	RESISITOR	10K	1608		R19,37,38	3		
51	RESISITOR	22K	1608		R30	1		
52	RESISITOR	100K	1608		R10,36	2		
53	RESISITOR	1M	1608		R1	1		
54	PCB							