

# BOM

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Material	Name	Coding	Specification	Quantity	Unit	Suppliers	Code	Notes	Change
1	Carbon Film Resistors	263000200001	RoHS Carbon Film Resistors RX_22R_2W_J	1	A	zhongzhicheng	RX1		
2	Color wheel inductors	263005300012	ROHS Color wheel inductors L_LGA0410-102KT26E_1mH_K_T26	1	A	fenghua	L2		
3	Color wheel inductors	263005300001	ROHS Color wheel inductors L_LGA0410-4R7KT26E_4.7uH_K_T26	1	A	fenghua	L1		
4	Porcelain capacitors	263001000001	ROHS Porcelain capacitors C_102_1KV_Y5P_M_F5.0	2	A	yusi	C1,C4		
5	Safety Capacitor	263001300029	RoHS Safety Capacitor Y1_CT070bY5V102M_400V_B	1	A	yusi	C3		
6	Electrolytic Capacitor	253001200012	RoHS Electrolytic Capacitor E_470u_25_D8H14_M_105	3	A	zhongzhicheng/yide	E3,E4,E5		
7	Electrolytic Capacitor	253001200192	RoHS Electrolytic Capacitor E_10u_25_D5H11_M_105	3	A	zhongzhicheng/yide	E6,E7,E8		
9	Electrolytic Capacitor	263001200006	RoHSElectrolytic Capacitor E_15u_400_D13H15.5_M_105	2	A	zhongzhicheng/yide	E1,E2		
10	Electrolytic Capacitor	253001200181	RoHS Electrolytic Capacitor E_1u_50_D5H11_M_105	1	A	zhongzhicheng/yide	C2		
11	Coupler	263005000024	ROHS Coupler_SHARP_PC817C_4PIN	1	A	SHARP	U2		
12	IC	263005000052	ROHS IC_TNY176PN_8PIN_DIP	1	A	PI	U1		
13	INSERT	263005500016	ROHS Door jack CN_VH-2A_S2P3.96_W	1	A	huafu	DOOR1		
14	INSERT	263005500015	ROHS Power outlet CN_VH-3A_S2P7.92_W	1	A	huafu	CN1		
15	INSERT	253005500026	RoHS Membrane switch socket CN_JE501S_8P2.54	1	A	beidening	CON1		
16	INSERT	263005500043	ROHS Cable outlet CN_XH-3A_B3P2.54_R	1	A	huafu	CN5		
17	INSERT	253005500262	RoHS Cable outlet CN_XH-2A_B2P2.54_W	1	A	huafu	CN2		
18	Cable with plug	263005500021	ROHS Cable with plug CP_SM_JC25_26AWG_2P65_80_D	2	A		CN3,CN4		
19	Buzzer	263005900001	RoHS Buzzer BUZ_P1440B5_4K_Stand	1	A	inghui/dingtian/zhen	BUZ1		
20	Transistor	253002100268	RoHS Transistor Q_D667AC_TO-92L	2	A	lanjian	Q4,Q5		
21	Relay	253005100028	RoHS Relay RLY_SC_833H-1C-C_T85_12VDC_Z	1	A	songchuan	RLY1		
22	Digital tube	263003000040	RoHS Digital tube LED_5401AG	1	A	jianlongda/dayuan	LED1		
23	Transformer	263005200035	ROHS Switching Transformer T_DZ_BCK19-073T_120V-60Hz	1	A	jingshi	T1		
24	Single Insert	253005500057	RoHS Insert ACN_187_T0.5_W4.8	2	A	jiyingda	P1,P2		
25	Crystal	253005400020	RoHS Crystal OSC_4M_2_30PPM	1	A	lingrike/baotong/ron	CSA1		
26	IC	251402000687	RoHS Chip SH69P26 zhongyingdianzi 28feet	1	A	zhongying	IC2		
27	IC	263007100301	RoHS Programming chip EMXAAYT-04-K V1.14						
28	Hot melt	262600200021	RoHS Hot melt UB-618L	0.00063	KG	haorui			
29	Moisture oil diluent	253006200062	RoHS Moisture oil diluent TF-2131	0.0002	KG	tongfang			
30	0.8mm Lead-free Solder wire	253006200063	RoHS 0.8mm Lead-free Solder wire Sn98.8 Ag0.5 Cu0.7	0.0008	KG	yichengda			
31	Free solder bar(Switching Power)	253006200067	RoHS Free solder bar Sn98.8-Ag0.5-Cu0.7	0.0035	KG	yichengda			
32	Lead-free flux	253006200060	RoHS Lead-free flux TF-747	0.0028	L	tongfang			
33	Moisture oil	253006200066	RoHS Moisture oil TF-2131-H3	0.0004	KG	tongfang			
34	SMT components EMXAAYT-04-	263620200538	RoHS Microwave PC Board SMT components _EMXAAYT-04-K	1	Set				

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Material num	Name	Coding	Specification	Quantity	Unit		Code	Notes	Change
1	Chip Capacitors	253001100037	RoHS Chip Capacitors C_0603_471_50_X7R_K	5	A	fenghua	C9-C11,C14,C16		
2	Chip Capacitors	253001100121	RoHS Chip Capacitors C_0603_102_50_Y5V_Z	2	A	fenghua	C17,C18		
3	Chip Capacitors	253001100039	RoHS Chip Capacitors C_0603_104_50_Y5V_Z	4	A	fenghua	C5,C6,C8,C15		
4	Chip Capacitors	253001100246	RoHS Chip Capacitors C_0805_15P_50_NOP_J	2	A	fenghua	C12,C13		
5	SMD diode	253002300068	RoHS SMD diode D_LL4148_150mA_100V_LL-34	3	A	uang/yangjie/zhong	D14,D16,D17		
6	SMD resistor	253000400043	ROHS SMD resistor R_1206_0R_1/8W_J	2	A	fenghua	JMP,JMP1		
7	SMD resistor	263000400056	RoHS SMD resistor R_1206_100R_1/8W_J	1	A	fenghua	R2		
8	SMD resistor	263000400025	RoHS SMD resistor R_0805_560R_1/10W_J	1	A	fenghua	R23		
9	SMD resistor	263000400055	ROHS SMD resistor R_0805_272_1/10W_J	1	A	fenghua	R22		
10	SMD resistor	253000400041	RoHS SMD resistor R_0805_202_1/10W_J	2	A	fenghua	R8,R42		
11	SMD resistor	253000400036	RoHS SMD resistor R_0805_330R_1/10W_J	8	A	fenghua	R10,R11,R12,R13,R14,R15, R16,R17		
12	SMD resistor	253000400042	RoHS SMD resistor R_0805_332_1/10W_J	8	A	fenghua	R7,R41,R49,R51,R52,R53,R54, R55		
13	SMD resistor	253000400097	RoHS SMD resistor R_0805_100R_1/10W_J	4	A	fenghua	R4,R5,R46,R47		
14	SMD resistor	253000400184	RoHS SMD resistor R_0805_470R_1/10W_J	2	A	fenghua	R48,R50		
15	SMD resistor	253000400035	RoHS SMD resistor R_0805_220R_1/10W_J	1	A	fenghua	R38		
16	SMD resistor	253000400402	ROHS SMD resistor R_0805_510R_1/10W_J	1	A	fenghua	R21		
17	SMD resistor	253000400046	RoHS SMD resistor R_0805_472_1/10W_J	5	A	fenghua	R6,R33,R34,R35,R36		
18	SMD resistor	263000400054	RoHS SMD resistor R_0805_432_1/10W_J	1	A	fenghua	R19		
19	SMD resistor	253000400044	RoHS SMD resistor R_0805_103_1/10W_J	4	A	fenghua	R18,R20,R37,R39		
20	SMD resistor	253000400047	RoHS SMD resistor R_0805_102_1/10W_J	2	A	fenghua	R32,R40		
21	SMD Transistor	253002400048	RoHS SMD Transistor Q_8050M-D_SOT-23	3	A	ejing/lanjiang/feng	Q2,Q6,TR1		
22	SMD Transistor	253002400050	RoHS SMD Transistor Q_8550M-D_SOT-23	4	A	jing/lanjiang/feng	Q1,Q3,Q7,Q8		
23	Red gum	253006200065	RoHS Red gum_NE-8800T_Fuji	0.0002835	Support	dewansi			
24	SMT Component Points			66	Point				
25	AI component EMXAAYT-04-K	263620300483	RoHS AI component _ microwave computer board EMXAAYT-04-K	1	set				

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Material num	Name	Coding	Specification	Quantity	Unit		Code	Notes	Change
1	Rectifiers	253002000011	RoHS Rectifiers D_1N4007_1KV_DO-41	6	A	dechuangli	D1,D2,D3,D4,D11,D12		
2	Switching Diode	253002000013	RoHS Switching Diode D_1N4148_150mA_100V_DO-35	1	A	zhongzhi/dechuangli	D15		
3	Switching Diode	263002000022	RoHS Fast Recovery Rectifiers D_SR210_2A_100V_DO-15	2	A	Taiwan Semiconductor (Eternal Asia Agent)	D5, D6		
4	Zener diode	263002200013	ROHS Zener diode Z_4V3_1/2W_B(Accuracy:2%)_DO-35_T26 Tape	1	A	dechuangli	ZD2		
5	Zener diode	253002200261	RoHS Zener diode Z_13V_1/2W_B_DO-35	1	A	dechuangli	ZD1		
6	Carbon Film Resistors	253000100283	RoHS Carbon Film Resistors R_10R_1/4W_J	1	A	zhongzhicheng/bojie	R3		
7	Carbon Film Resistors	263000100028	RoHS Carbon Film Resistors R_200K_1/4W_J	1	A	zhongzhicheng/bojie	R1		
8	Carbon Film Resistors	253000100009	RoHS Carbon Film Resistors R_4K7_1/4W_J	1	A	zhongzhicheng/bojie	R43		
9	Carbon Film Resistors	253000100010	RoHS Carbon Film Resistors R_1K_1/4W_J	8	A	zhongzhicheng/bojie	R26,R27,R28,R29,R30,R31,R32,R45		
10	Carbon Film Resistors	253000100112	RoHS Carbon Film Resistors R_10K_1/6W_J	1	A	zhongzhicheng/bojie	R44		
11	Carbon Film Resistors	253000100113	RoHS Carbon Film Resistors R_4K7_1/6W_J	1	A	zhongzhicheng/bojie	R9		
12	Jumper lead	253006100058	RoHS Jumper J_Cu-Sn_D0.6_7.5mm	5	Root	haorui	J1,J3,J6,J7,J8		
13	Jumper lead	253006100056	RoHS Jumper J_Cu-Sn_D0.6_10mm	3	Root	haorui	J2,J4,J5		
14	PCB board	263006000478	ROHS Microwave PCB_EMXAAYT-04-K_77*165_CEM-1_KB_V1.3	1	A	haiya/junda	PCB		

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NO.	Material	Description	Position	Quantity	Supplier
1	Electrolytic capacitor	15uF/400V-M( $\pm 20\%$ )	C2	1	
2	Electrolytic capacitor	16V-220uF-M( $\pm 20\%$ )	EC7	1	
3	Electrolytic capacitor	16V-470uF-M( $\pm 20\%$ )	EC9	1	
4	Electrolytic capacitor	25V-470uF-M( $\pm 20\%$ )	EC10	1	
5	Electrolytic capacitor	50V-22uF-M( $\pm 20\%$ )	C8	1	
6	H-Voltage Chip capacitor	101/1KV	C3	1	
7	Y Capacitor	472M/250VAC	C9	1	
8	Safety Capacitor	0.1uF/250VAC	C1	1	
9	Ceramic Capacitor	103/50V	C7	1	
10	C-filmed resistor	100 $\Omega \pm 5\%$ , 1W	R4	1	
11	C-filmed resistor	100K $\Omega \pm 5\%$ , 1/2W	R2,R3	2	
12	Wire Wound resistor	15 $\Omega \pm 5\%$ , 1W	R1	1	
13	Inductance	10UH DR2W0507U-100K-01	L1	1	
14	Relay	833H-1C-C (250VAC7A--12V) TUV、UL认证	RLY1(MICRO)	1	Song chuan
15	Transistor	D667C HFE=150-250 ECB	Q1,Q2	2	
16	Buzzer	4K $\phi 14\text{mm}$	BUZ1	1	
17	Socket	XH2.54-2	CN1	1	
18	Socket	XH2.54-3	CN3	1	
19	Socket	VH3.96-3P	CN4	1	
20	Socket	VH3.96-2P	DOOR1	1	

21	Socket	JE501S-08 2.54-8	CN5	1	
22	Socket with wire	2P*50±5mm	CN2	1	
23	Crystal oscillator	4MHZ±30PPM, L×W×H=10×3.5×3mm	CSA1	1	
24	LED	JLDF-5401AG	LED1	1	
25	Switch transformer	BCK16-D1745	T1	1	Da zhong
26	MCU	SH69P26-28PIN	IC1	1	
27	IC	Viper-12A DIP8	U3	1	
28	Photocoupler	PC817	U1,U2	2	
29	Insert tab	P187 4.8mm × 0.5mm	P1,P2	2	
30	Chip resistor	0805 122 JT(1.2K±5%)	R41	1	
31	Chip resistor	0805 511 JT(510±5%)	R39	1	
32	Chip resistor	0805 105 JT(1M±5%)	R44	1	
33	Chip resistor	0805 102 JT(1K-±5%)	R28	1	
34	Chip resistor	0805 104 JT(100K-±5%)	R43	1	
35	Chip resistor	0805 391 JT(390-±5%)	R42	1	
36	Chip resistor	0805 332 JT(3.3K-±5%)	R16	1	
37	Chip resistor	0805 202 JT(2K-±5%)	R6,R34	2	
38	Chip capacitor	0805 Y5V 104M 50 T(50V-104-M,tga≤0.04)	C5,C17,C21	3	
39	Chip capacitor	0805 Y5V 103M 50 T(50V-103-M,tga≤0.04)	C4	1	
40	Chip capacitor	0805 Y5V 102M 50 T(50V-102-M,tga≤0.04)	C19,C20	2	
41	Chip capacitor	0805 X7R 150J 50 T(50V-15PF-J,tga≤0.04)	C15, C16	2	
42	Chip capacitor	0805 Y5V 471J 50 T(50V-471-J,tga≤0.04)	C11--C14,C18	5	
43	Chip Transistor	2SA8050 SOT-23、hFE=150~250(IC=1mA,VCE=5V)	TR1,TR2,TR3	3	

44	Jumper	$\Phi 0.6 \times 10\text{mm}$	J1--J12	12	
45	C-filmed resistor	$330\Omega \pm 5\%$ , 1/4W	R8,R13--R15,R18--R21	8	
46	C-filmed resistor	$3K\Omega \pm 5\%$ , 1/4W	R38,R40	2	
47	C-filmed resistor	$4.7K\Omega \pm 5\%$ , 1/4W	R17,R29--R32	5	
48	C-filmed resistor	$10K\Omega \pm 5\%$ , 1/4W	R35	1	
49	C-filmed resistor	$100\Omega \pm 5\%$ , 1/4W	R36,R37	2	
50	C-filmed resistor	$50\Omega \pm 5\%$ , 1/4W	R11	1	
51	C-filmed resistor	$180\Omega \pm 5\%$ , 1/4W	R12	1	
52	C-filmed resistor	$2K\Omega \pm 5\%$ , 1/4W	R24--R27	4	
53	C-filmed resistor	$1\Omega \pm 5\%$ , 1/6W	R10	1	
54	C-filmed resistor	$1.2K\Omega \pm 5\%$ , 1/6W	R9	1	
55	C-filmed resistor	$20K\Omega \pm 5\%$ , 1/4W	R5	1	
56	C-filmed resistor	$3.3K\Omega \pm 5\%$ , 1/4W	R33	1	
57	Diode	IN4148	D7,D11,D12,D13	4	
58	Diode	IN4007	D1--D5	5	
59	Diode	UF4007	D6,D9	2	
60	Zener diode	1/2W-13V $\pm 5\%$	Z2	1	
61	Zener diode	1/2W-3.9V $\pm 2\%$	Z1	1	
62	PCB	MD-EMXAAYT-03(YK-070728 V2.1) 165*73*1.6mm, CEM-1,UL listed.		1	

	Part names	e record the type t	CCN	Electrical Ratings	Manufacturers	UL File No	UL or CSA File Nos	Measuring
1	Power Supply Cord	SJT, SPT-2	ELBZ/CN	3*18AWG, 105℃		UL listed		
2	Magnetron	2M238H		2450MHz	GD Witol Vacuum electronic Manufacture co., Ltd			
3	Fuse	6G	JDYX / CN	125V 15A	Sun Electric Co	E166522		
4	Fuse	611		250V, 15A	DONGGUAN BETTER ELECTRONIC	E300003		
5	Switch Power Supply.	GPAA-60124K		120V60HZ	GOSPELL			
6	Primary interlock switch		WOYR2/CN	160g 16A 250VAC	Yueqing Dong Nan Electronic Co., Ltd	E176213		
7	Secondary interlock switch		WOYR2/CN	160g 16A 250VAC	Yueqing Dong Nan Electronic Co., Ltd	E176213		
8	Interlock Monitor Switch		WOYR2/CN	160g 16A 250VAC	Yueqing Dong Nan Electronic Co., Ltd	E176213		
9								
10	Relay for H V circuit (Power Relay) (EL: relay for convection heater and grill heater control?)	833H-1C-C	NRNT2	250V AC, 7A	SONG CHUAN PRECESION CO.,Ltd	E88991		
	(Alternate)	835L-1AB-C	NRNT2	250V, 8A	G CHUAN PRECESION CO.,	E74321		
	(Alternate)	HJR-3FF-S-H	NRNT2	250V, 10A	Ningbo Tianbo Ganglian Electronics Co., Ltd.			
11	LV Transformer	BCK-19-073T		120V, 60Hz, Output: 12V, 5V	WEIMEI ELECTRONICS FACTORY DONG GUAN CITY.			
12	Primary Connector at PCB			94V-0 and 80° C				
13	Internal wire - Primary circuit		AVLV2	600 V, 105° C, 18-22AWG		UL listed		
	Internal wire - Secondary circuit		AVLV2	300 V, 105° C, 18-22AWG		UL listed		
14	H. V Wire			Φ 1.0/1×1 200℃		UL listed		
15	PWM Wire			300V, 105° C 22AWG		UL listed		
16	Thermostat (Cavity)	KSD201	XAPX2/CN	90℃	Nanhai Tianpeng			
	(Alternate)	KSD90		90℃	Jiangsu Changheng			
17	Thermostat (Magnetron)	KSD201	XAPX2/CN	90℃	Nanhai Tianpeng			
	(Alternate)	KSD90		90℃	Jiangsu Changheng			
18	DC Brushless Cooling Fan	FS80252H		12V	Zhongshan Hengshan Plastic CO., LTD	E230447		
19	DC Brushless Cooling Fan	FS70102H		12V	Zhongshan Hengshan Plastic CO., LTD	E230447		