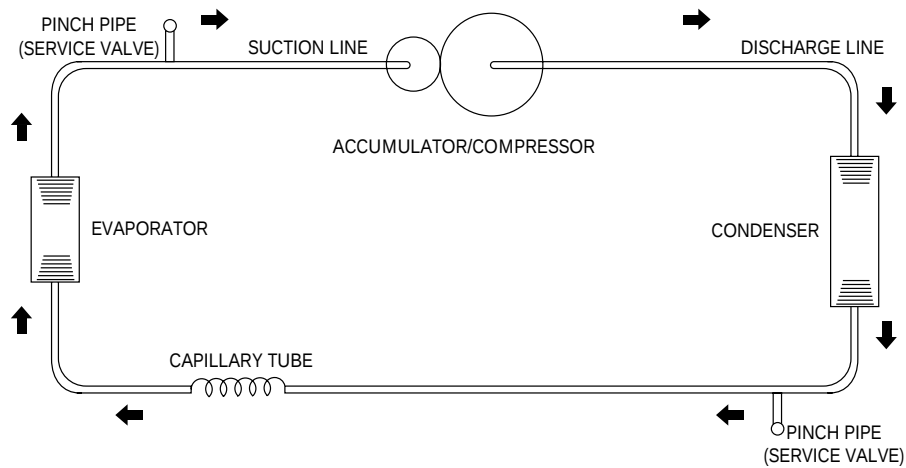


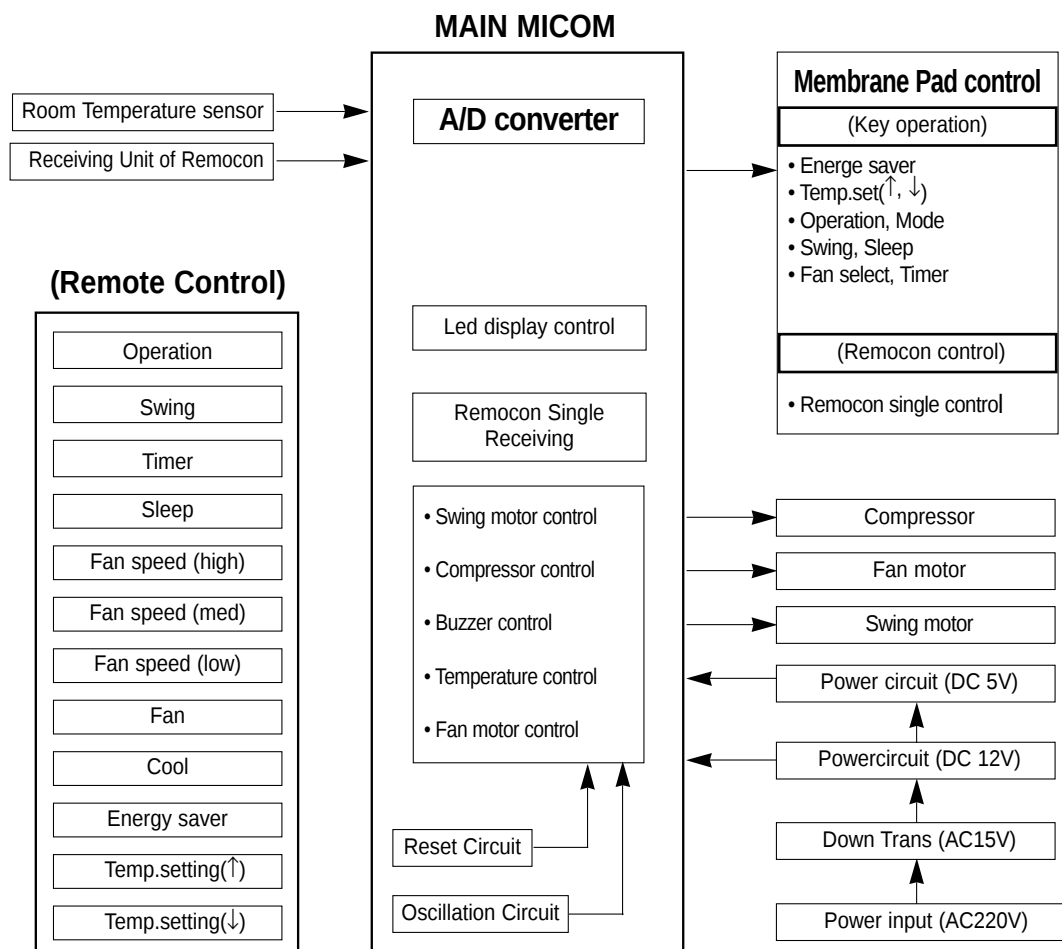
7. Block Diagram

7-1 Refrigerating Cycle Block Diagram



7-2 Basic Structure

7-2-1 Micom Control Diagram



7-2-2 Micom pin assignment

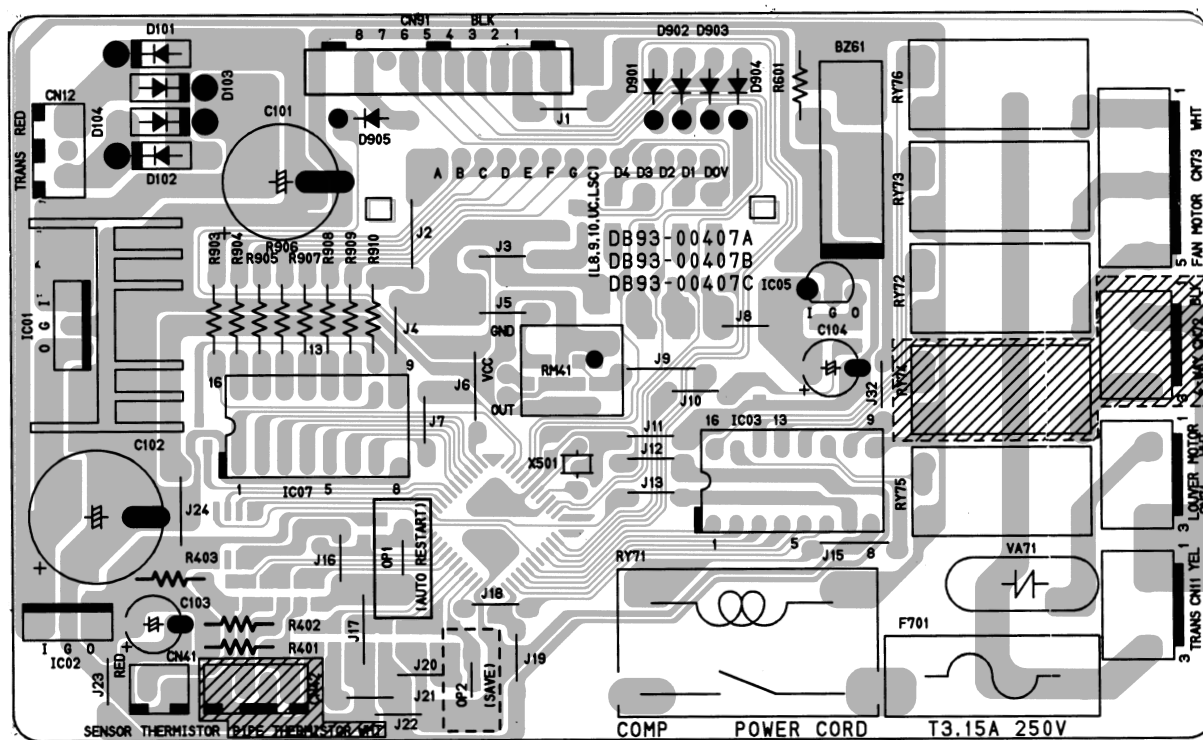
KS88C4716					
SEG-DATA(c)	1	P0.1	P4.4	44	GRID5
SEG-DATA(b)	2	P0.0	P0.2	43	SEG-DATA(d)
GRID4	3	P4.3	P0.3	42	SEG-DATA(e)
GRID3	4	P4.2	P0.4	41	SEG-DATA(f)
Vcc	5	VDD	P0.5	40	SEG-DATA(g)
Vss	6	VSS	P0.6	39	SEG-DATA(h)
10MHz RESONATOR	7	Xout	P0.7	38	SEG-DATA(a)
10MHz RESONATOR	8	Xin	P1.0	37	EEPROM CLK
TEST	9	TEST	P1.1	36	EEPROM IN
GRID2	10	P4.1	P1.2	35	EEPROM OUT
GRDI1	11	P4.0	P1.3	34	BUZZER
RESET IC OUTPUT	12	RESET	P1.4	33	OPTION
KEY-IN1	13	P2.0	P1.5	32	JIG OUTPUT
KEY-IN2	14	P2.1	P3.7	31	OPTION
REMOCON	15	P2.2	P3.6	30	SENSOR THERMIS-
EEPROM CS	16	P2.3	P3.5	29	TOR(103AT)
LOW FAN	17	P2.4	P3.4	28	OPTION
COMPERSOR	18	P2.5	P3.3	27	OPTION
MIDDLE FAN	19	P2.6	P3.2	26	OPTION
HIGH FAN	20	P2.7	P3.1	25	OPTION
4-WAY VALVE	21	P4.5	P3.0	24	SAVE OPTION
Vcc	22	AVref	AVss	23	SWING MOTOR
					GND

MEMO

8. PCB Diagram

8-1 ASS'Y Main PCB

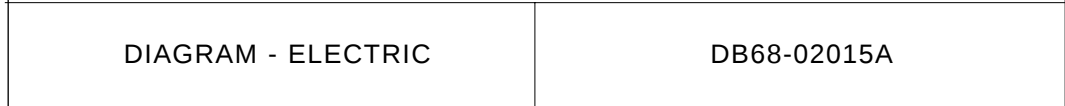
- DB93-00407B(I)
DB93-00407G(II)



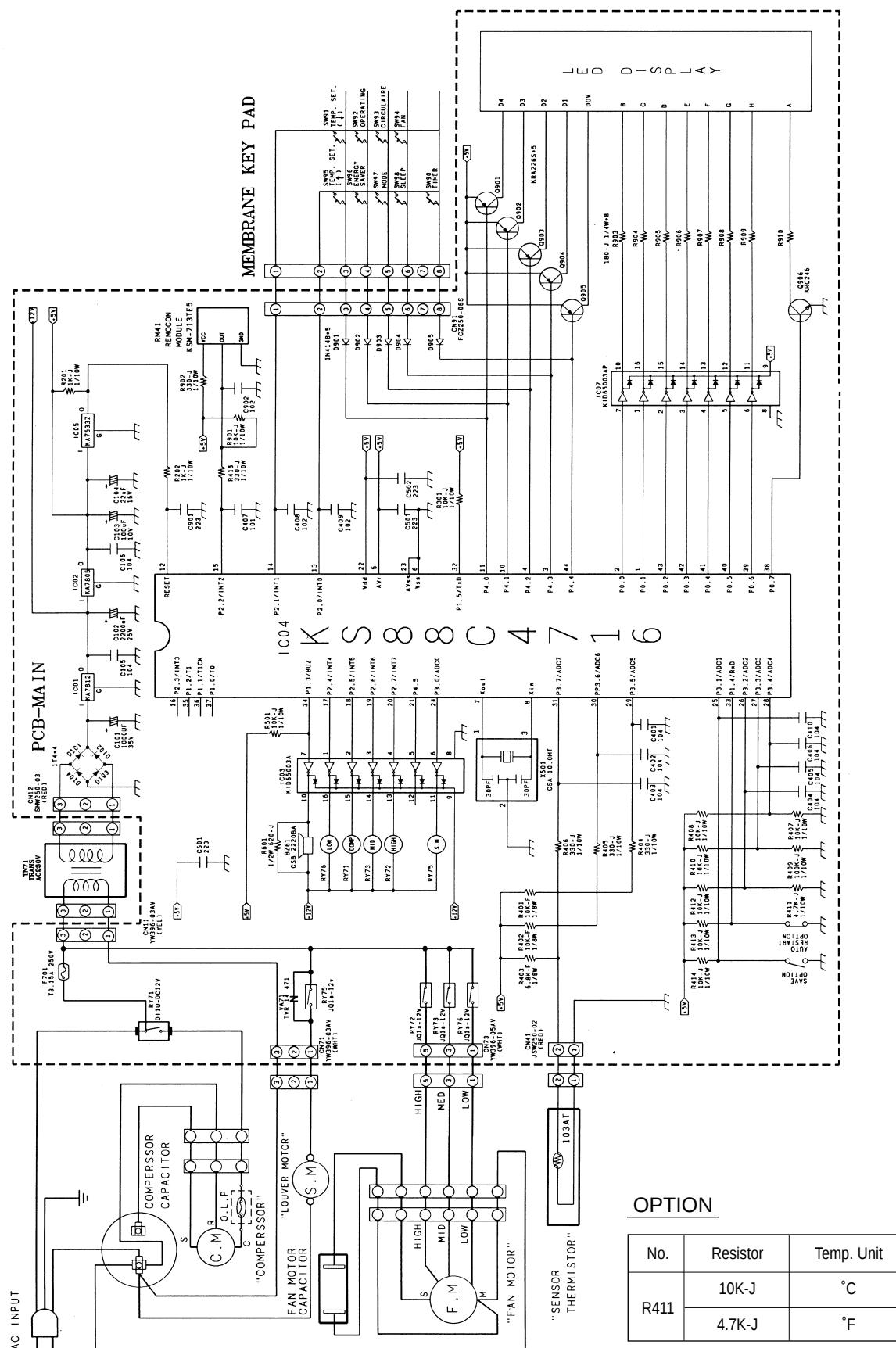
■ Part List

No	Code No.	Description	Specification	I	II	Remarks
1	-	DIODE-RECTIFIER	1T4	4	4	D101~D104
2	1405-000147	VARISTOR	470V 4500A	1	1	VA71
3	DE13-20017A	IC-DRIVE	KID65003AP	2	2	IC03, IC07
4	DE13-20009A	IC	KA7533Z	1	1	IC05
5	DE13-20016A	IC-VOLT REGU	KA7805A	1	1	IC02
6	DE13-20008A	IC-VOLT REGU	KA7812A	1	1	IC01
7	DE60-10100A	SCREW TAPPING	PH-3 L6	1	1	
8	DE62-30031A	HEAT SINK	A6063 L23.5 W30	1	1	
9	-	C-AL	2200μF 25V	1	1	C102
10	-	C-AL	1000μF 35V	1	1	C101
11	-	C-AL	100μF 10V	1	1	C103
12	-	C-AL	22μF 16V	1	1	C104
13	-	CONNECTOR WAFER	YW396-03AV YEL	1	1	CN11
14	-	CONNECTOR WAFER	YW396-03AV WHT	1	1	CN71
15	3711-003407	CONNECTOR WAFER	YW396-05AV WHT	1	1	CN73
16	-	CONNECTOR WAFER	JSW250-02 RED	1	1	CN41
17	-	CONNECTOR WAFER	JSW250-03 RED	1	1	CN12
18	DE32-10037A	FUSE	250V 3.15A	1	1	F701
19	-	FUSE HOLDER	FB 58 20MM	1	1	F701
20	DE30-20016A	BUZZER	CSB2220BA	1	1	BZ61
21	2001-001172	R-CARBON	620 OHM 1/2W	1	1	R601
22	-	REMOCON MODULE	KSM713TE5	1	1	RM41
23	-	CONNECTOR WAFER	FCZ254-08S	1	1	CN91
24	-	JUMPER WIRE	PI0.6 52MM	24	24	J1~J13, J15~J24, J32
25	-	JUMPER WIRE	PI0.6 52MM	1	0	OP01
26	-	JUMPER WIRE	3216 TYPE	7	7	J25~J31
27	-	PCB-MAIN	FR-1 81.5*134.5	1	1	
28	-	R-CARBON	RD 1/4W 180-J	8	8	R903~R910
29	-	R-CARBON(2012)	MCR10 330-J	5	5	R404~R406, R415, R902
31	-	R-CARBON(2012)	MCR10 10K-J	10	10	R301, R407, R408, R410~R414, R501, R901(R411)
32	2004-001137	R-CARBON	RD 1/8W 6.8K-F	1	1	R403
33	2004-000218	R-CARBON	RD 1/8W 10K-F	2	2	R401, R402
34	-	R-CARBON(2012)	MCR10 1K-J	2	1	R201, R202
35	-	R-CARBON(2012)	MCR 100K-J	1	1	R409
36	-	C-CERAMIC(2012)	MCR21 2F 104Z	9	9	C105, C106, C401~C406, C410
37	-	C-CERAMIC(2012)	MCR21 2F 223Z	4	4	C501, C502, C601, C901
38	-	C-CERAMIC(2012)	MCR21 2F 101Z	1	1	C407
39	-	C-CERAMIC(2012)	MCR21 2F 102Z	3	3	C408, C409, C902
40	-	TRANSISTOR	KRA226S	5	5	Q901~Q905
41	-	TRANSISTOR	KRC246S	1	1	Q906
42	-	DIODE-SWITCHING(SMALL)	1N4148	5	5	D901~D905
43	DB09-00091A	IC-MCU	KS88C4716	1	1	IC04
44	3501-001058	RELAY-POWER	ID 1U	1	1	RY71
45	2802-000103	CERAMIC RESONATOR	10MHz	1	1	X501
46	DB07-00010A	LED DISPLAY	ELF-316GWB	1	1	
47	3501-000399	RELAY	JQ1A 12V	4	4	RY72, 73, 75, 76
48	-	R-CARBON	MCR10 4.7K-J	0	0	R411
49	-	IC-MASK ROM	P93LC56B	0	1	IC06

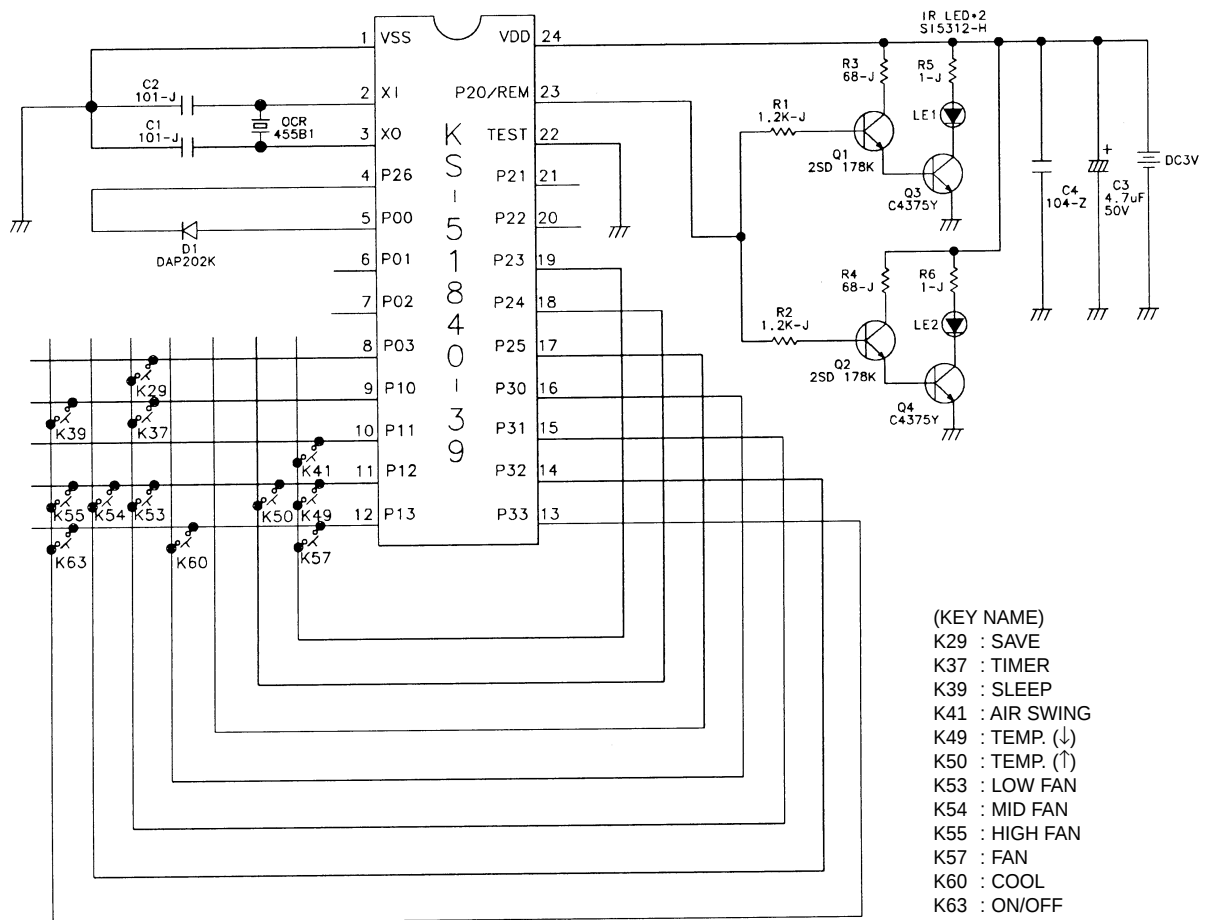
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10-1 Main PCB



10-2 Remote Control



UPDATE LOG SHEET				
Application date	Page	Part#	Note(Cause & Solution)	S/Bulletin#

Use this page to keep any special servicing information. (Service Bulletin, etc.)

If only parts number changes, Just change parts number directly on parts list.

And if you need more information, please see the service website.

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