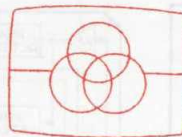


AKAI



Free service manuals

Gratis schema's

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MODEL AT-M400/L

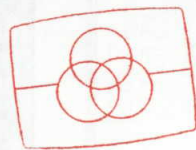
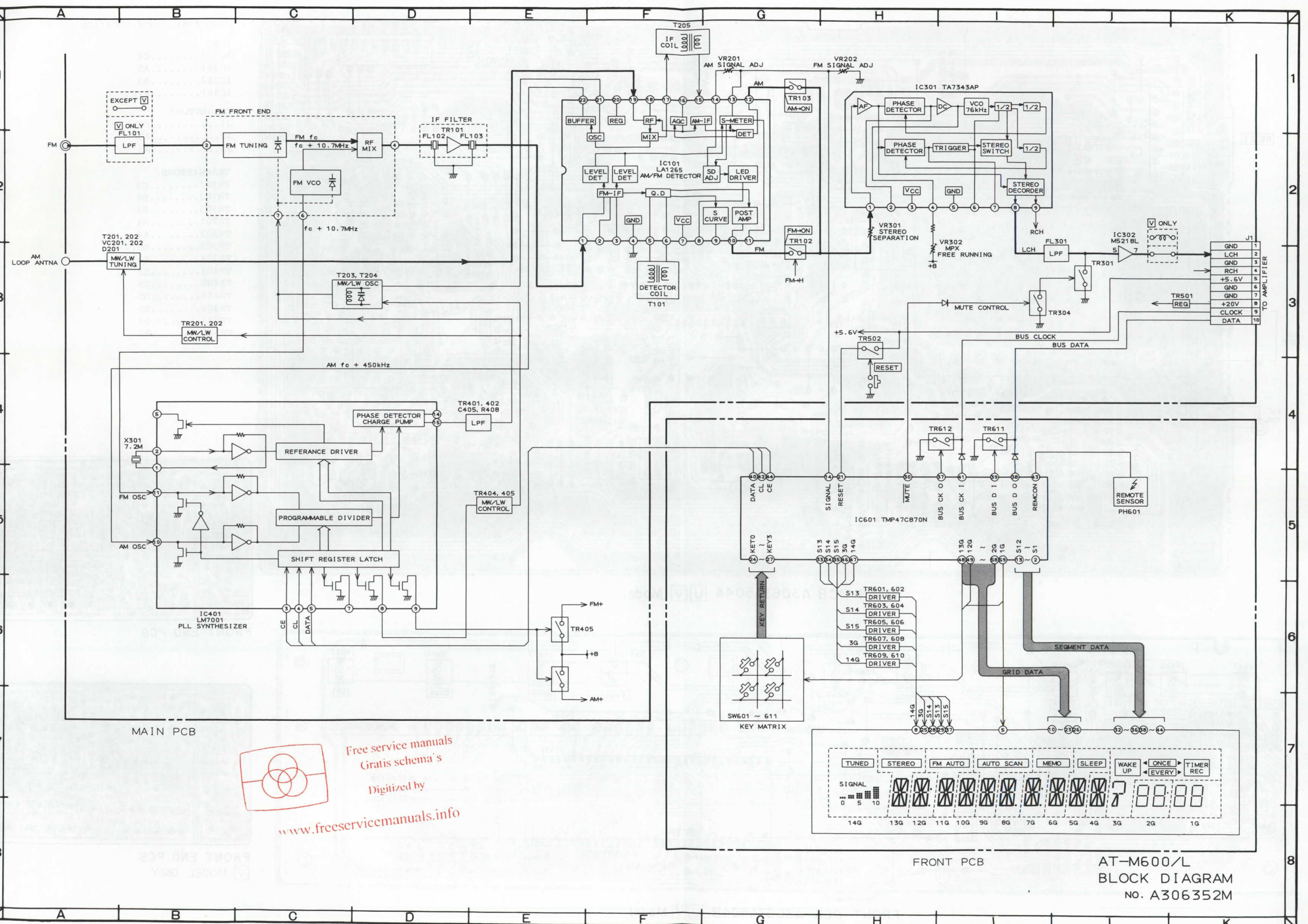
MODEL AT-M600/L

SCHEMATIC DIAGRAMS AND PC BOARDS

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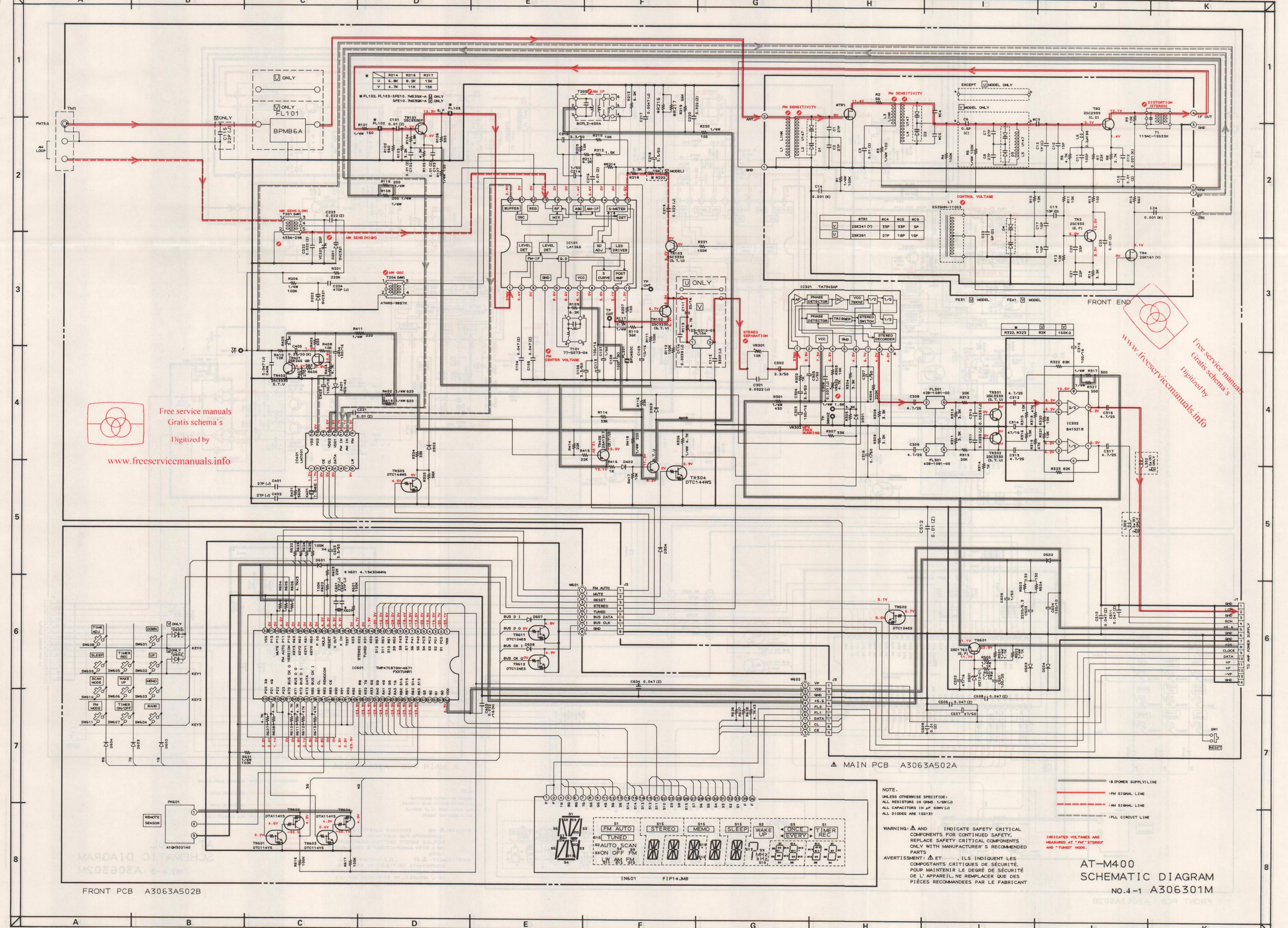
1. AT-M400/L BLOCK DIAGRAM	2
2. AT-M600/L BLOCK DIAGRAM	3
3. MAIN AND OTHER PC BOARDS	4
4. AT-M400 SCHEMATIC DIAGRAM	5
5. AT-M400L SCHEMATIC DIAGRAM	6
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10. MAIN AND OTHER PC BOARDS	11
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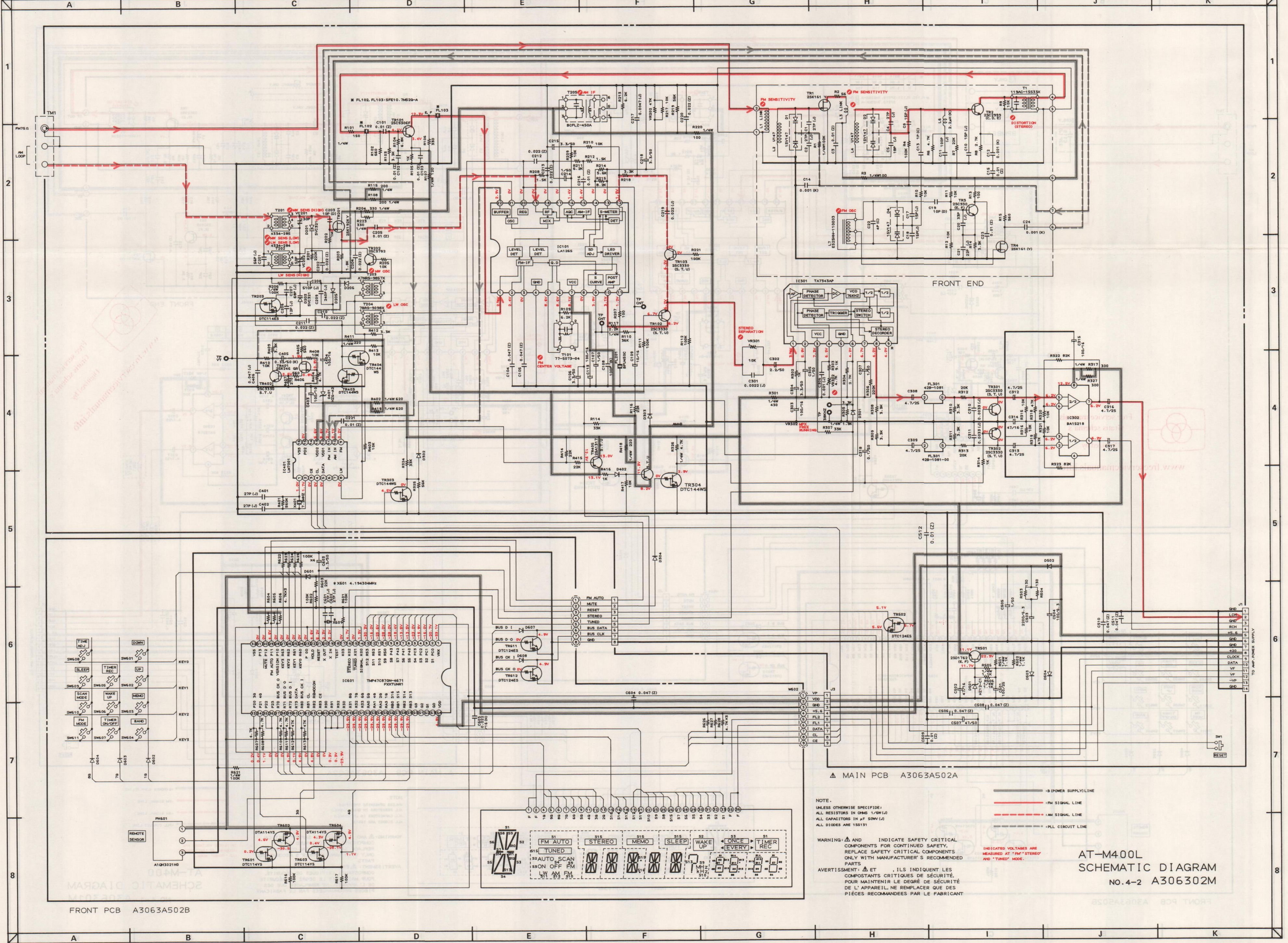


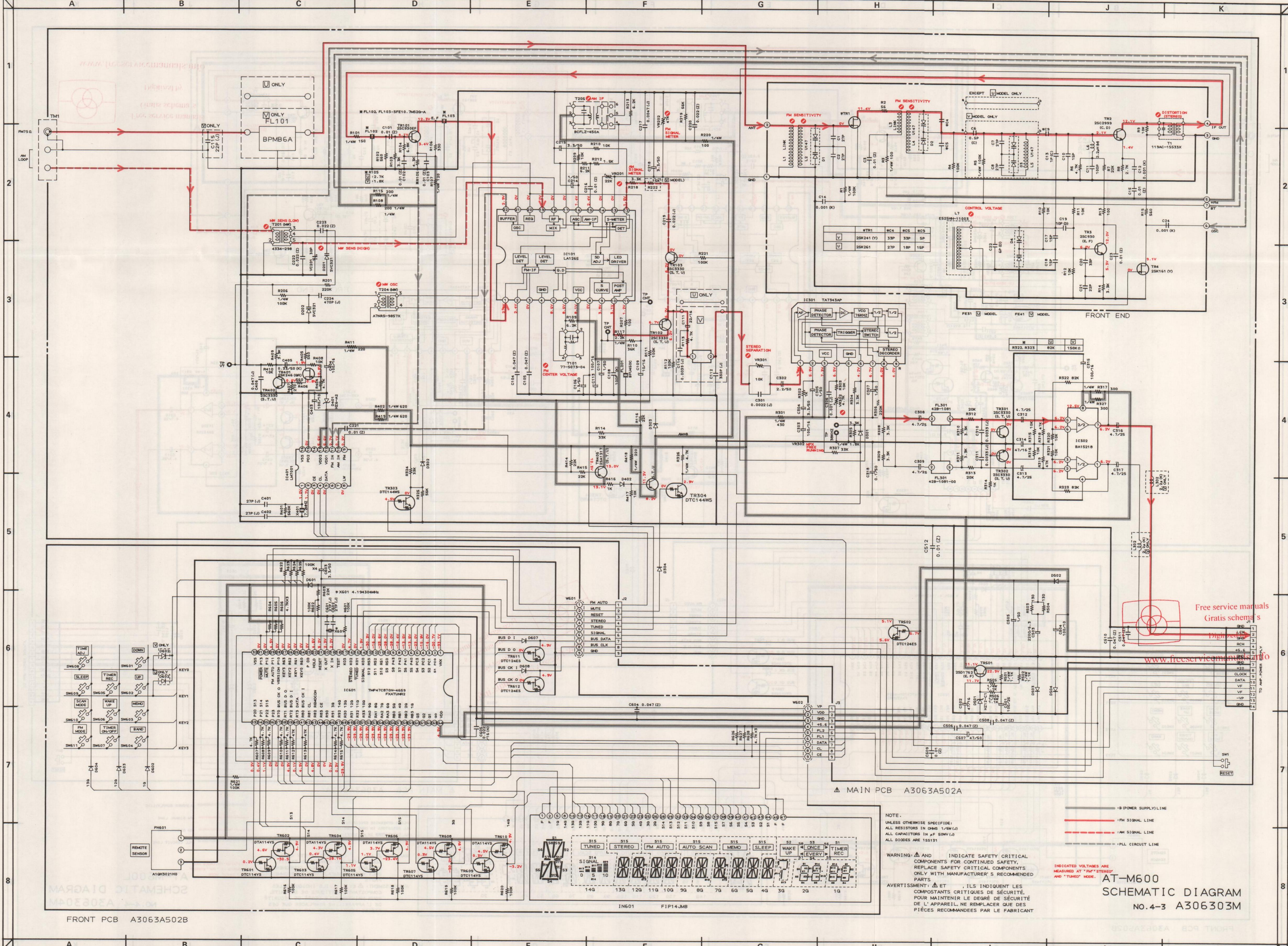


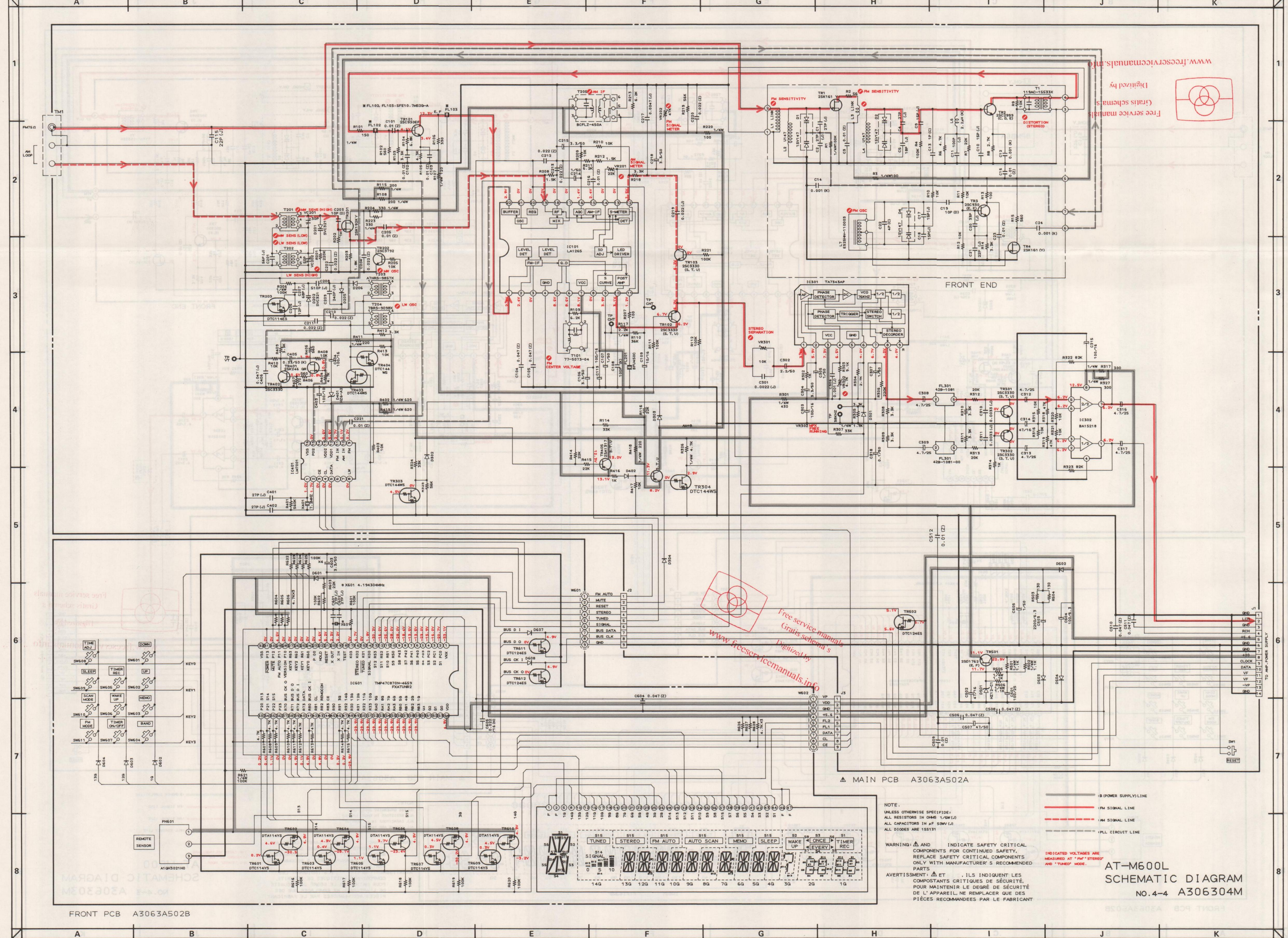
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Gratis schema's
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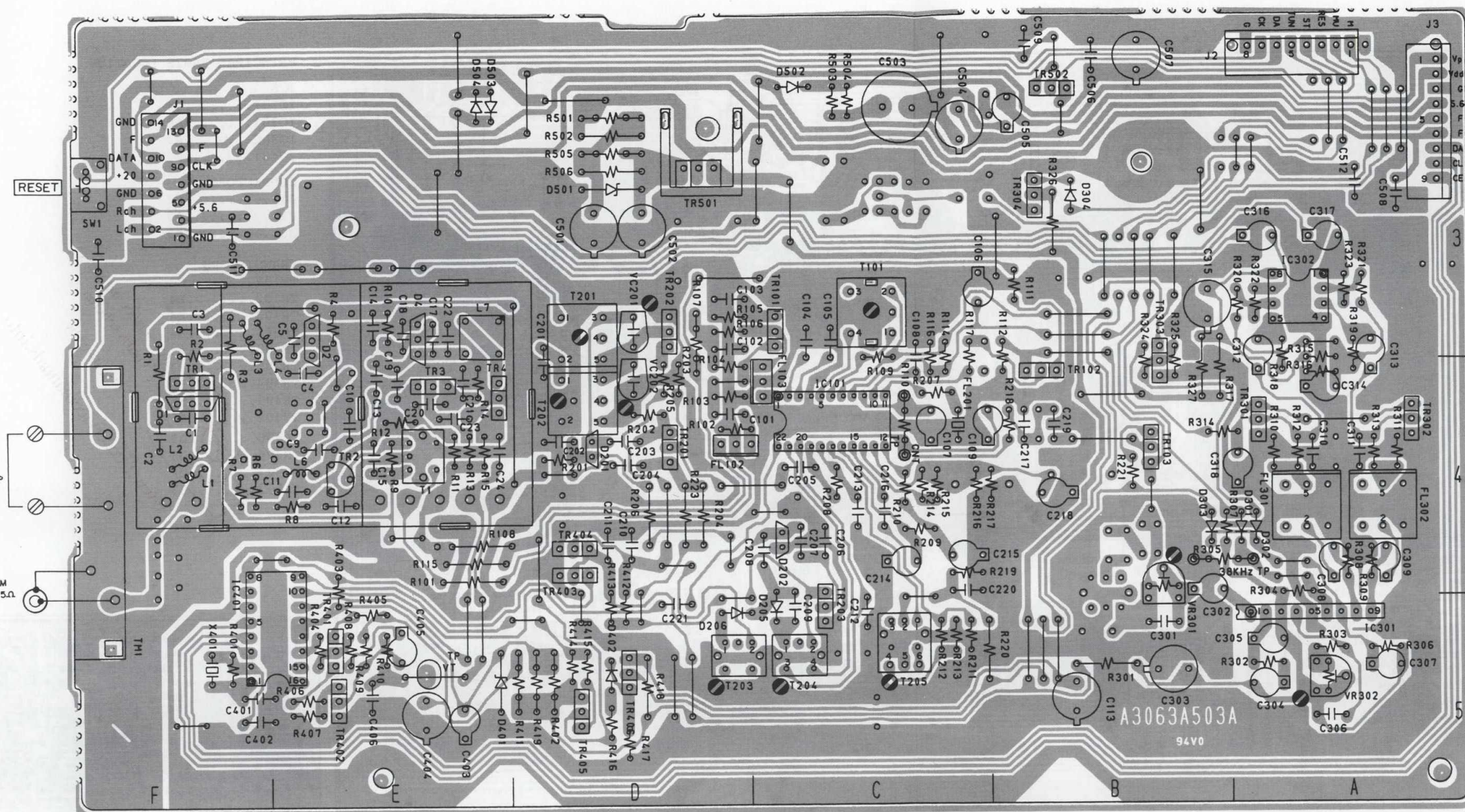
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MAIN PCB E B Model

PRINCIPAL PARTS LOCATION

ICS

IC101.....C4

IC301.....A5

IC302.....A3

IC401.....E,F4,5

CONNECTORS

J1.....F3

J2.....A3

J3.....A3

TRANSISTORS

TR1.....F4

TR2.....E4

TR3.....E4

TR4.....E4

TR101.....C3

TR102.....B4

TR103.....B4

TR201.....D4

TR202.....D3

TR203.....C5

TR301.....A4

TR302.....A4

TR303.....B3,4

TR304.....B3

TR401.....E5

TR402.....E5

TR403.....D4

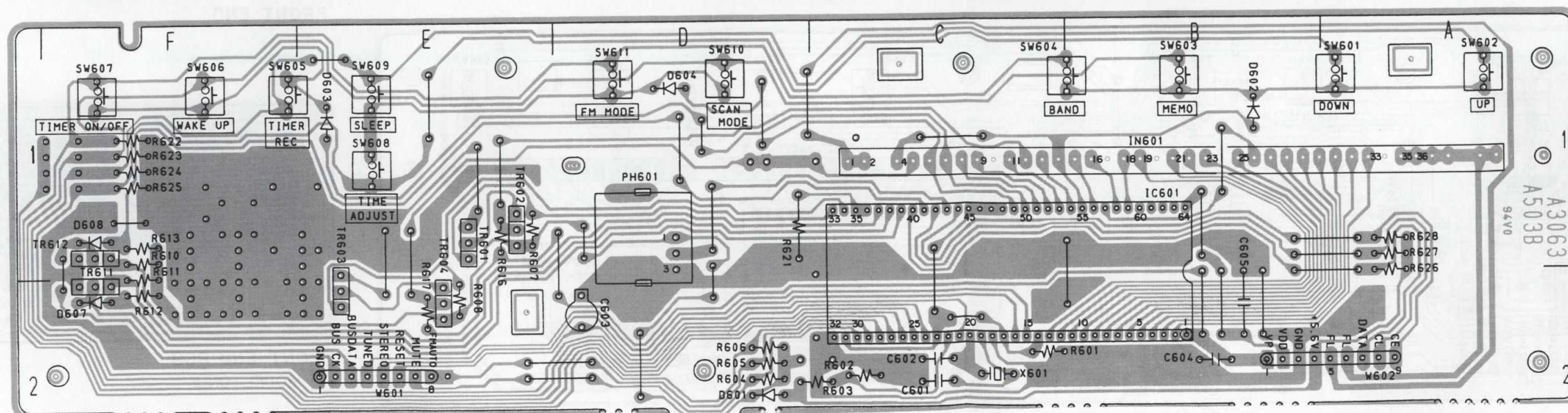
TR404.....D4

TR405.....D5

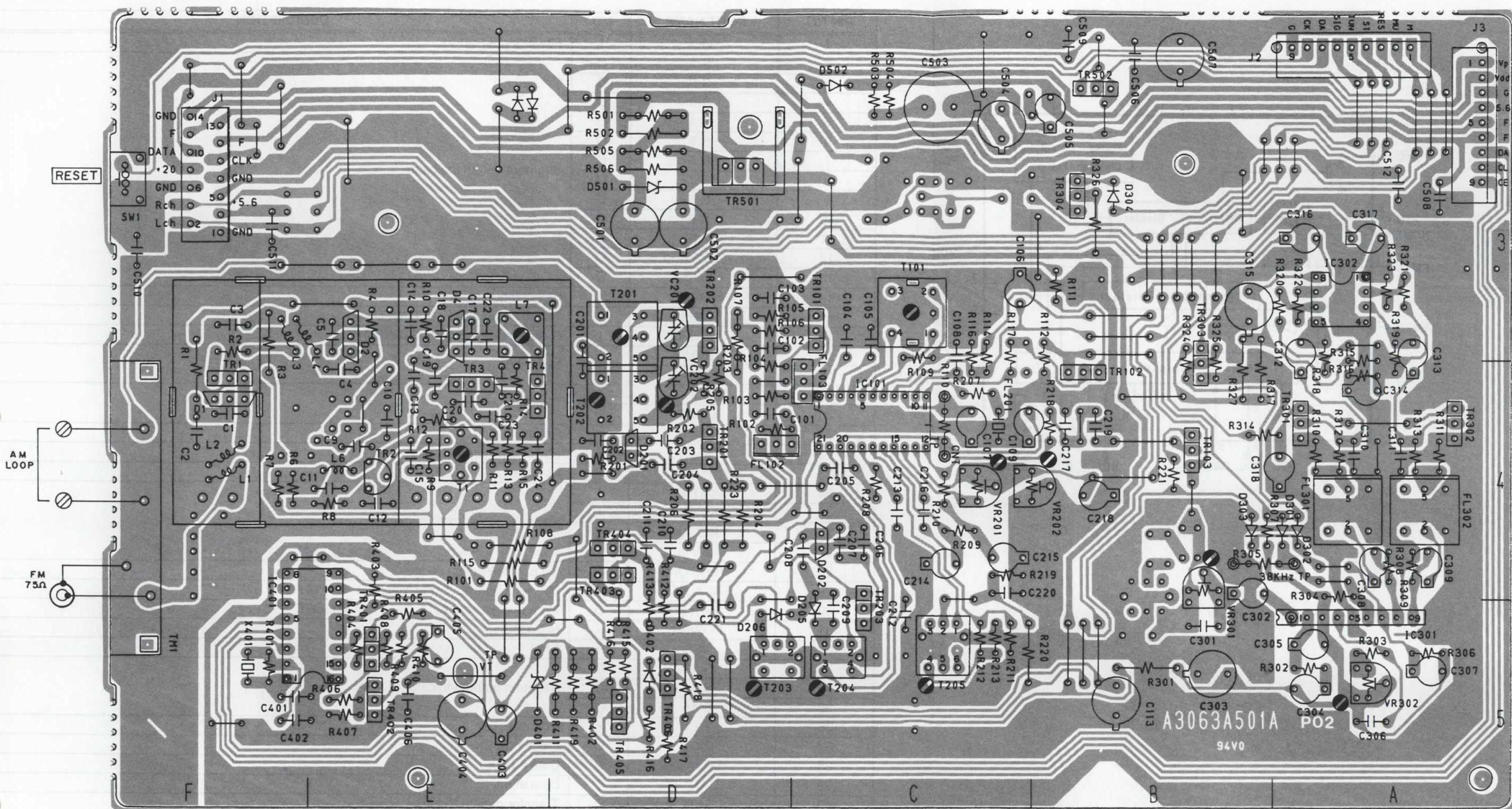
TR406.....D5

TR501.....D3

TR502.....B3



FRONT PCB A3063A503B E B Model



MAIN PCB A3063A501AJI [B] [E] Model

PRINCIPAL PARTS LOCATION

ICS

IC101.....C4

IC301.....A5

CONNECTORS

J1.....F3

J2.....A3

J3.....A3

TRANSISTORS

TR1.....F4

TR2.....E4

TR3.....E4

TR4.....E4

TR101.....C3

TR102.....B4

TR103.....B4

TR201.....D4

TR202.....D3

TR203.....C4,5

TR301.....A4

TR302.....A4

TR304.....B4

TR401.....E5

TR402.....E5

TR403.....D4

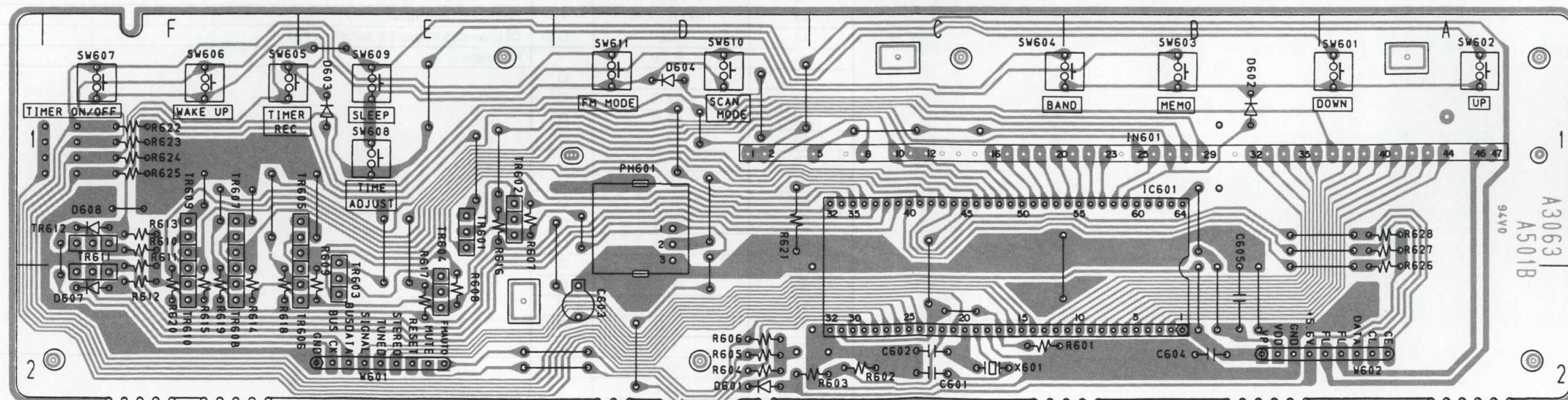
TR404.....D4

TR405.....D5

TR406.....D5

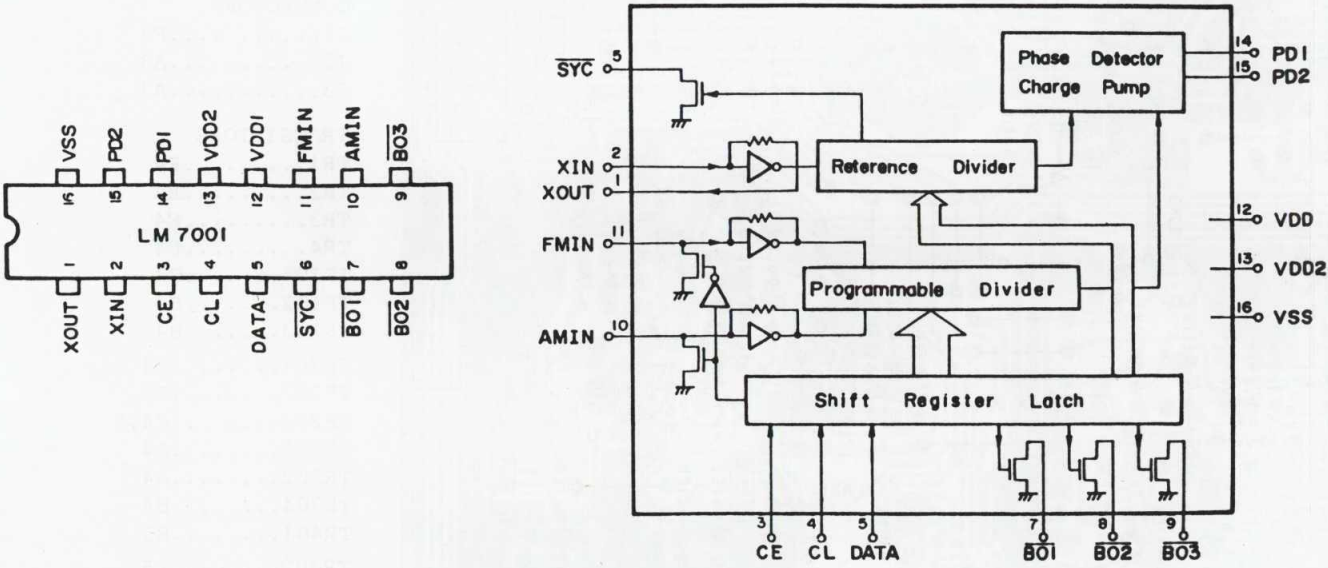
TR501.....D3

TR502.....B3



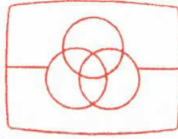
FRONT PCB A3063A501BJI [B] [E] Model

LM7001 (PLL SYNTHESIZER)



TMP47C870N-4659 (MI-COM)

PIN NO.	PORT NAME	I/O	DESCRIPTION
1	VKK	I	Power input (-30 V)
2	S 1	O	Segment output Indicator.
3	S 2	O	
4	S 3	O	
5	S 4	O	
6	S 5	O	
7	S 6	O	
8	S 7	O	
9	S 8	O	
10	S 9	O	
11	S 10	O	
12	S 11	O	
13	S 12	O	
14	SIGNAL	I	Signal mode input.
15	TUNED	I	Tuned mode input. L: TUNED
16	STEREO	I	Stereo mode input. L: STEREO
17	K 03	-	Not used.
18	TEST	-	
19	X IN	I	Oscillator for clock.
20	X OUT	O	
21	RESET	I	Reset input.
22	HOLD	I	Power down detect.
23	P 00	-	Not used.
24	KEY 0	I	Key scan input from key matrix.
25	KEY 1	I	
26	KEY 2	I	
27	KEY 3	I	
28	VERSION	O	Output for Version Judge.
29	FM AUTO	O	FM Auto control. L: FM MANUAL H: FM AUTO
30	MUTE	O	Mute control. L: MUTE ON H: MUTE OFF
31	POWER	-	Not used.
32	VSS	-	GND
33	S 13	O	Segment output Indicator.
34	S 14	O	
35	S 15	O	
36	P23	-	Not used.
37	CK 0	O	Clock output.
38	DATA 0	O	Data output.
39	DATA I	I	Data input.
40	DATA	O	Transfer data to PLL IC.
41	CK I	I	Clock input.
42	CL	O	Clock output to PLL IC.
43	REMOCON	I	Remocon data input.
44	CE	O	Chip enable output for selecting PLL IC.
45	R 90	-	Not used.
46	3 G	O	Digit Data output for Indicator.
47	14 G	O	
48	13 G	O	
49	12 G	O	
50	11 G	O	
51	10 G	O	
52	9 G	O	
53	8 G	O	
54	7 G	O	
55	6 G	O	
56	5 G	O	
57	4 G	O	
58	2 G	O	
59	1 G	O	
60	Q 3	-	Not used.
61	Q 2	-	
62	Q 1	-	
63	Q D	-	
64	VDD	-	+B (+5 V)

PIN NO.	PORT NAME	I/O	DESCRIPTION
1	VKK	I	Power input (-30 V)
2	S 1	O	 Free service manuals Gratis schema's Digitized by www.freeservicemanuals.info
3	S 2	O	
4	S 3	O	
5	S 4	O	
6	S 5	O	
7	S 6	O	
8	S 7	O	
9	S 8	O	
10	S 9	O	
11	S 10	O	
12	S 11	O	
13	S 12	O	
14	K 00	-	Not used.
15	TUNED	I	Tuned mode input.
16	STEREO	I	Stereo mode input.
17	K 03	-	Not used.
18	TEST	-	Not used.
19	X IN	I	Oscillator for clock.
20	X OUT	O	Oscillator for clock.
21	RESET	I	Reset input.
22	HOLD	I	Power down detect.
23	P 00	-	Not used.
24	KEY 0	I	Key scan input from key matrix.
25	KEY 1	I	
26	KEY 2	I	
27	KEY 3	I	
28	VERSION	O	Output for Version Judge.
29	FM AUTO	O	L: FM MANUAL H: FM AUTO
30	MUTE	O	Mute control. L: MUTE ON H: MUTE OFF
31	P13	-	Not used.
32	VSS	-	GND
33	3 G	O	Digit Data output Indicator.
34	9 G	O	
35	P22	-	Not used.
36	P23	-	
37	CK 0	O	Clock output.
38	DATA OUT	O	Data output.
39	DATA IN	I	Data input.
40	DATA	O	Transfer data to PLL IC.
41	CLK I	I	Clock input.
42	CL	O	Clock output to PLL IC.
43	REMOCON	I	Remocon data input.
44	CE	O	Chip enable output for selecting PLL IC.
45	R 90	-	Not used.
46	R 91	-	
47	R 92	-	
48	R 30	-	
49	8 G	O	Digit Data output for Indicator and Key scanning.
50	7 G	O	
51	6 G	O	
52	5 G	O	
53	4 G	O	
54	2 G	O	
55	1 G	O	
56	S 16	O	Segment output for Indicator.
57	S 15	O	
58	S 14	O	
59	S 13	O	Not used.
60	G 3	-	
61	G 2	-	
62	G 1	-	
63	G D	-	
64	VDD	-	+B (+5 V)