

MC-48A SCHEMATIC DIAGRAM (PAL/SECAM/N3.58/N4.43)

NOTICE

Since this is a basic schematic diagram, the value of components and some partial connection are subject to change for improvement.

The components marked A conform to VDE or IEC guidelines and are essential for safe operation of the set, while those marked B are required for correct operation. Use specified parts only when replacing.

VALUE OF RESISTOR, CAPACITOR AND INDUCTOR

- Resistances are shown in ohm, K = 1,000, M = 1,000,000.
- Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in mfd and the values more than 1 in pF.
- Unless otherwise noted in schematic, all coil values more than 1 are expressed in uH, and the values less than 1 in H.

OBSERVATION OF VOLTAGES AND WAVEFORMS

- Voltages read with VTVM from point shown to chassis ground. Line voltages 220 Volts, colour bar signal.
- Voltages reading may vary $\pm 20\%$.
- The schematic shown is representative only.
- All waveforms are taken using a wide band oscilloscope and a low capacity probe.
- Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST and COLOUR controls for best picture; make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS controls is almost in maximum position.
- Waveforms are taken using a standard colour bar signal.

TABLE OF INCH CONVERSION

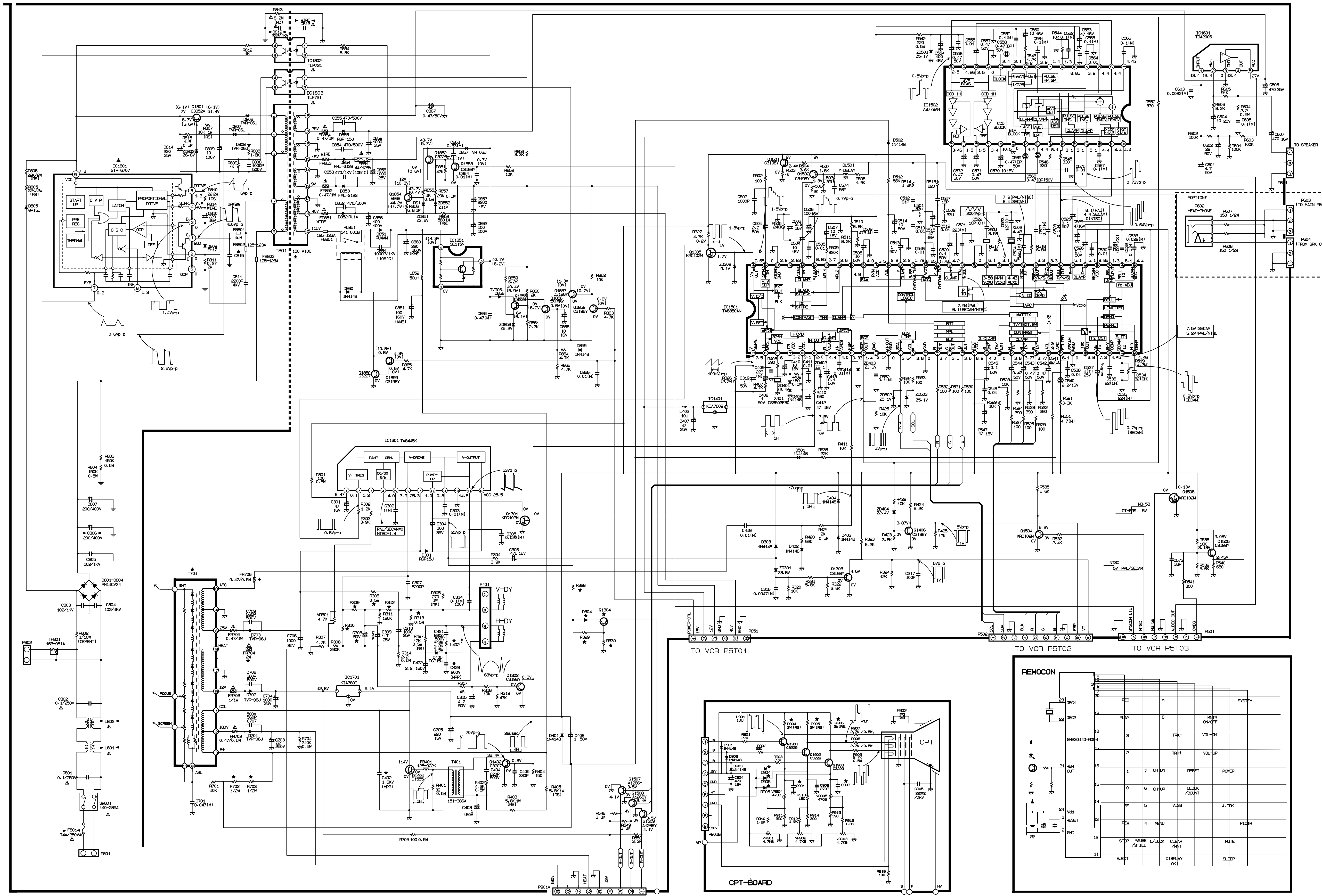
CIRCUIT NO	INCH	REMARK
1	14'	21'
2	1K	1K
3	4.7K	4.7K
4	30K	30K
5	1.8K	1.8K
6	10K	10K
7	75K	75K
8	25K	25K
9	10K	10K
10	8.2K	8.2K
11	2.0	1.2
12	0.47	0.58
13	772	862
14	624	394
15	-2840	-1580
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-207A	-207F
22	10P	10P
23	100F	-2060
24	-	-
25	1000PF	-
26	300PF	330PF
27	300PF	330PF
28	20K	22K
29	24K	22K
30	36K	43K

TABLE OF POWER CONVERSION

CIRCUIT NO	RANGE	REMARK
1	100-270V	FLUORESCENT
2	100-270V	FLUORESCENT
3	100-270V	FLUORESCENT
4	100-270V	FLUORESCENT
5	100-270V	FLUORESCENT
6	100-270V	FLUORESCENT

TABLE OF SYSTEM CONVERSION

CIRCUIT NO	B/GND/K	PAL-1	REMARK
1	0	-	TIN WIRE
2	47u-18V	-	CAPACITOR ELEC
3	0.01u	-	CAPACITOR TUBLE
4	100P	-	CAPACITOR TUBLE
5	0.1u	-	CAPACITOR POLY
6	0.02u	-	CAPACITOR POLY
7	8u	-	CAPACITOR CERAM
8	20000P	-	CAPACITOR POLY
9	8u	-	CAPACITOR CERAM
10	1u-25V	-	CAPACITOR
11	377T	377D	DELAY LINE



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