

SCHEMATIC DIAGRAM OF MC-64A

NOTICE

Since this is a basic schematic diagram, the value of components and some partial connection are subject to be changed for improvement without notice.

The components marked Δ conform VCE or VED guidelines and essential for safe operation of the TV receiver, while those marked Δ are required for correct operation. Use specified parts only when replacing.

VALUE OF RESISTOR, CAPACITOR AND INDUCTOR

- Resistance is shown in ohm, K=1,000, M=1,000,000.
- Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF and the values more than 1 in μ F.
- Unless otherwise noted in schematic, all inductor values less than 1 are expressed in μ H and the values less than 1 in H.

OBSERVATION OF VOLTAGE AND WAVEFORMS

- Voltages read with VTVM from point to ground.
- Line voltages 180 - 270 volts, color bar signal.
- Voltages reading may vary $\pm 20\%$.
- The schematic shown is representative only.
- All waveforms taken using a wide band oscilloscope and a low capacity probe.
- Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST and COLOR controls for best picture, noise and color. BRIGHTNESS and COLOR controls are in mid position and CONTRAST controls is almost in maximum position.
- Waveforms are taken using a standard color signal.

TABLE OF INCH CONVERSION

CIRCUIT NO.	14"	16" (OPTION)	20"	21"	REMARK
T401	154-0540	154-0540	154-377H	154-377F	FBT
L402	150-101H	150-101H	150-102C	150-102C	LINEARITY COIL
R309	680	680	1.1K	1.1K	RESISTOR 1/4W
R311	2.2	2.2	2.2	2.2	RESISTOR 1/4W
R423	100K	100K	82K	82K	RESISTOR 1/4W
R432	100K	100K	82K	82K	RESISTOR 1/4W
C420	0.47	0.39	0.39	0.47	CAPACITOR 250V
C421	6000P	6000P	8000P	6000P	CAPACITOR 1.5KV
R301	12	12	15	15	RESISTOR 0.5W
R302	27	27	27	27	RESISTOR 0.5W
T302	151-000G	151-000G	151-000G	151-000G	TRANSFORMER
T303	151-000H	151-000H	151-000H	151-000H	TRANSFORMER
P301	381-100P	381-100P	381-200D	381-200D	SOCKET OPT
P302	111-M54C	111-M54C	111-M54B	111-M54B	PCB MAIN
R324	82	82	82	82	RESISTOR 1/4W
R325	82	82	82	82	RESISTOR 1/4W
R326	82	82	82	82	RESISTOR 1/4W
R327	82	82	82	82	RESISTOR 1/4W
R328	82	82	82	82	RESISTOR 1/4W
R329	82	82	82	82	RESISTOR 1/4W
R330	82	82	82	82	RESISTOR 1/4W
R331	82	82	82	82	RESISTOR 1/4W
R332	82	82	82	82	RESISTOR 1/4W
R333	82	82	82	82	RESISTOR 1/4W
R334	82	82	82	82	RESISTOR 1/4W
R335	82	82	82	82	RESISTOR 1/4W
R336	82	82	82	82	RESISTOR 1/4W
R337	82	82	82	82	RESISTOR 1/4W
R338	82	82	82	82	RESISTOR 1/4W
R339	82	82	82	82	RESISTOR 1/4W
R340	82	82	82	82	RESISTOR 1/4W
R341	82	82	82	82	RESISTOR 1/4W
R342	82	82	82	82	RESISTOR 1/4W
R343	82	82	82	82	RESISTOR 1/4W
R344	82	82	82	82	RESISTOR 1/4W
R345	82	82	82	82	RESISTOR 1/4W
R346	82	82	82	82	RESISTOR 1/4W
R347	82	82	82	82	RESISTOR 1/4W
R348	82	82	82	82	RESISTOR 1/4W
R349	82	82	82	82	RESISTOR 1/4W
R350	82	82	82	82	RESISTOR 1/4W
R351	82	82	82	82	RESISTOR 1/4W
R352	82	82	82	82	RESISTOR 1/4W
R353	82	82	82	82	RESISTOR 1/4W
R354	82	82	82	82	RESISTOR 1/4W
R355	82	82	82	82	RESISTOR 1/4W
R356	82	82	82	82	RESISTOR 1/4W
R357	82	82	82	82	RESISTOR 1/4W
R358	82	82	82	82	RESISTOR 1/4W
R359	82	82	82	82	RESISTOR 1/4W
R360	82	82	82	82	RESISTOR 1/4W
R361	82	82	82	82	RESISTOR 1/4W
R362	82	82	82	82	RESISTOR 1/4W
R363	82	82	82	82	RESISTOR 1/4W
R364	82	82	82	82	RESISTOR 1/4W
R365	82	82	82	82	RESISTOR 1/4W
R366	82	82	82	82	RESISTOR 1/4W
R367	82	82	82	82	RESISTOR 1/4W
R368	82	82	82	82	RESISTOR 1/4W
R369	82	82	82	82	RESISTOR 1/4W
R370	82	82	82	82	RESISTOR 1/4W
R371	82	82	82	82	RESISTOR 1/4W
R372	82	82	82	82	RESISTOR 1/4W
R373	82	82	82	82	RESISTOR 1/4W
R374	82	82	82	82	RESISTOR 1/4W
R375	82	82	82	82	RESISTOR 1/4W
R376	82	82	82	82	RESISTOR 1/4W
R377	82	82	82	82	RESISTOR 1/4W
R378	82	82	82	82	RESISTOR 1/4W
R379	82	82	82	82	RESISTOR 1/4W
R380	82	82	82	82	RESISTOR 1/4W
R381	82	82	82	82	RESISTOR 1/4W
R382	82	82	82	82	RESISTOR 1/4W
R383	82	82	82	82	RESISTOR 1/4W
R384	82	82	82	82	RESISTOR 1/4W
R385	82	82	82	82	RESISTOR 1/4W
R386	82	82	82	82	RESISTOR 1/4W
R387	82	82	82	82	RESISTOR 1/4W
R388	82	82	82	82	RESISTOR 1/4W
R389	82	82	82	82	RESISTOR 1/4W
R390	82	82	82	82	RESISTOR 1/4W
R391	82	82	82	82	RESISTOR 1/4W
R392	82	82	82	82	RESISTOR 1/4W
R393	82	82	82	82	RESISTOR 1/4W
R394	82	82	82	82	RESISTOR 1/4W
R395	82	82	82	82	RESISTOR 1/4W
R396	82	82	82	82	RESISTOR 1/4W
R397	82	82	82	82	RESISTOR 1/4W
R398	82	82	82	82	RESISTOR 1/4W
R399	82	82	82	82	RESISTOR 1/4W
R400	82	82	82	82	RESISTOR 1/4W
R401	82	82	82	82	RESISTOR 1/4W
R402	82	82	82	82	RESISTOR 1/4W
R403	82	82	82	82	RESISTOR 1/4W
R404	82	82	82	82	RESISTOR 1/4W
R405	82	82	82	82	RESISTOR 1/4W
R406	82	82	82	82	RESISTOR 1/4W
R407	82	82	82	82	RESISTOR 1/4W
R408	82	82	82	82	RESISTOR 1/4W
R409	82	82	82	82	RESISTOR 1/4W
R410	82	82	82	82	RESISTOR 1/4W
R411	82	82	82	82	RESISTOR 1/4W
R412	82	82	82	82	RESISTOR 1/4W
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R437	82	82	82	82	RESISTOR 1/4W
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R439	82	82	82	82	RESISTOR 1/4W
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R472	82	82	82	82	RESISTOR 1/4W
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