

SONY

TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

KV-1442MR/RM-650

Chassis No. SCC-791A

NOTE

THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE TECHNICIAN.
KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

Sony Corporation

4-491-994-01

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Printed in Japan

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND Δ MARK ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE SERVICE MANUAL.

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

- All Capacitors are in μ F unless otherwise noted, pF; μ MF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. k Ω = 1000 Ω , M Ω = 1000k Ω .

Δ : nonflammable resistor.

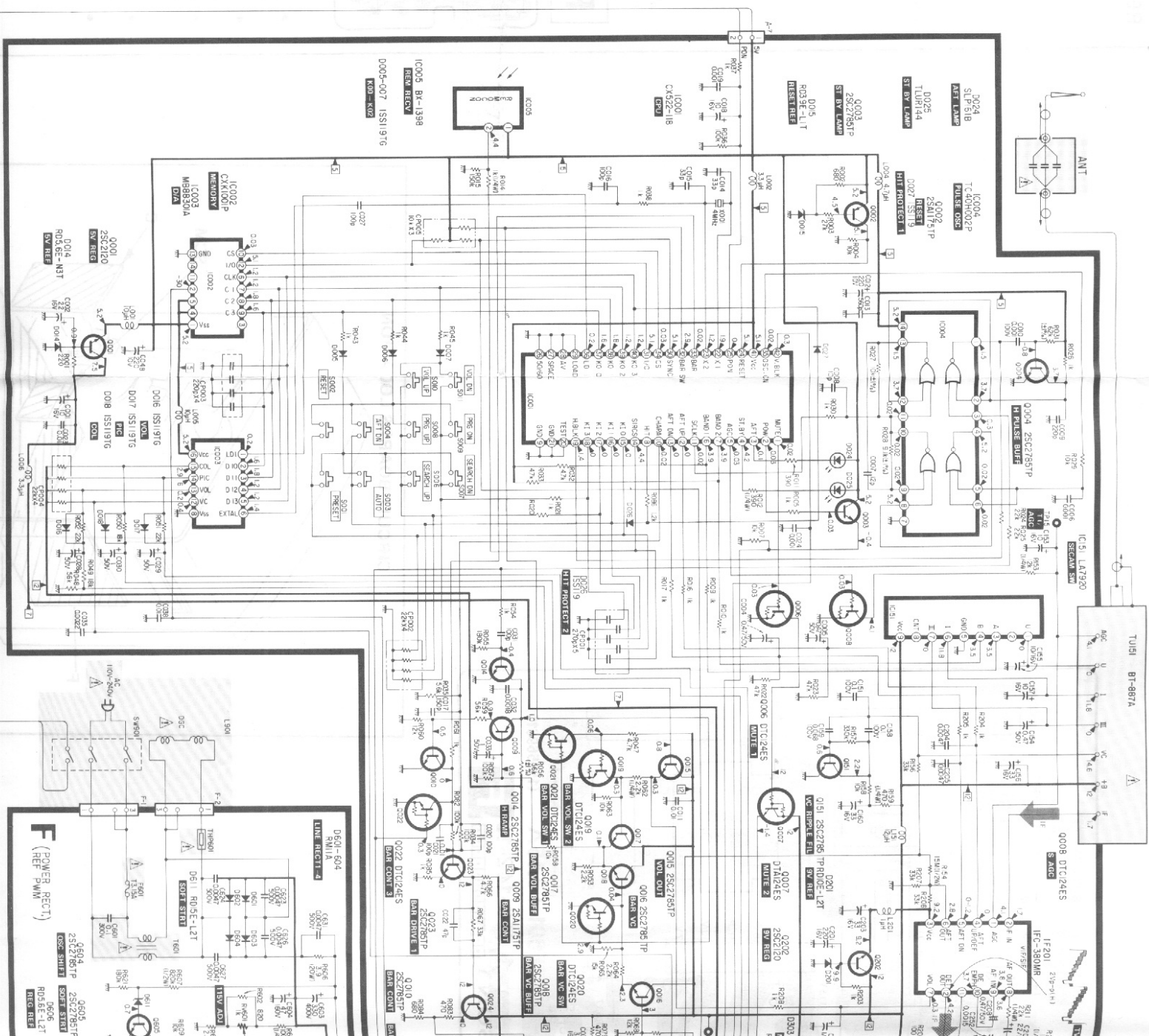
Δ : internal component.

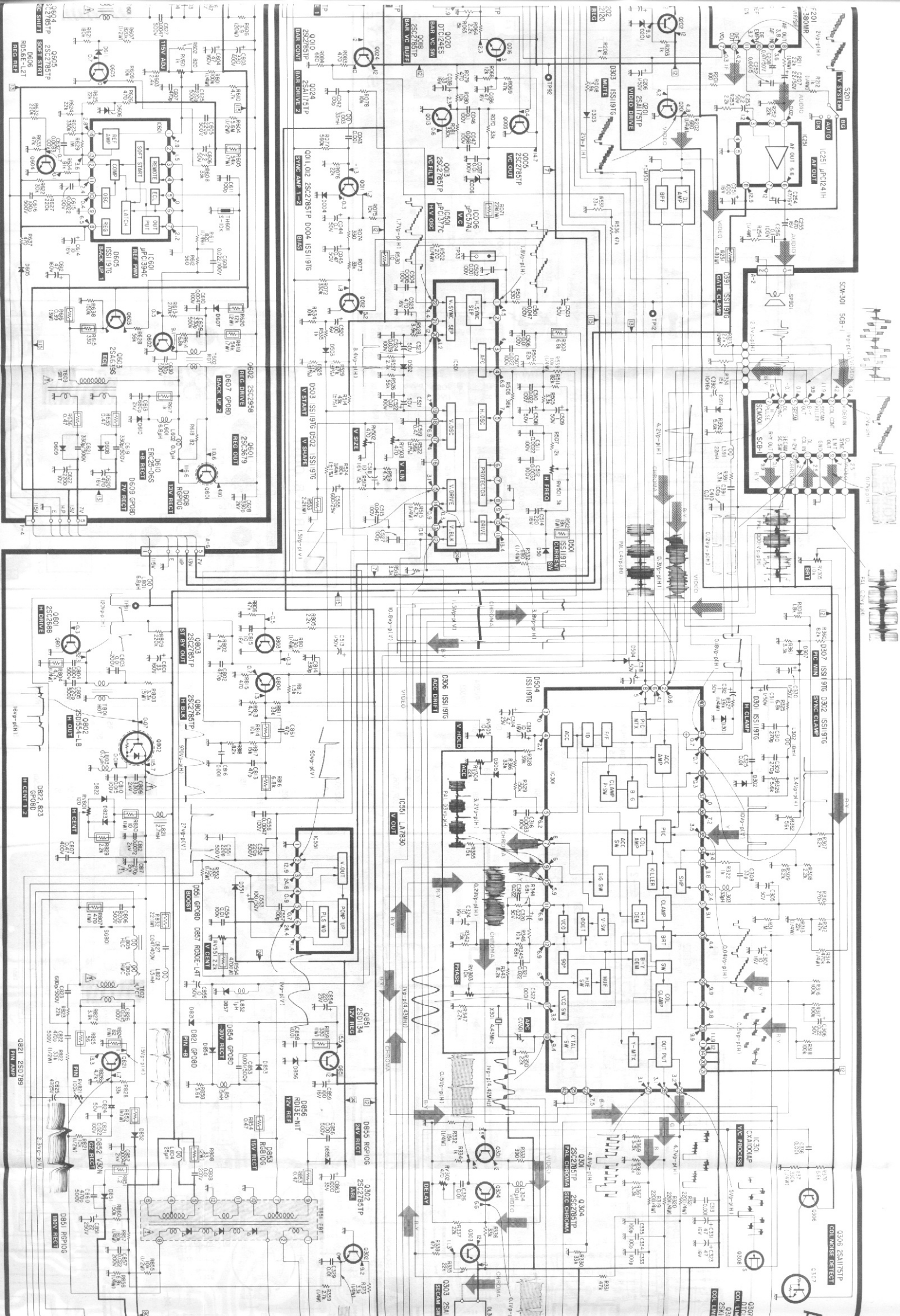
\square : panel designation.

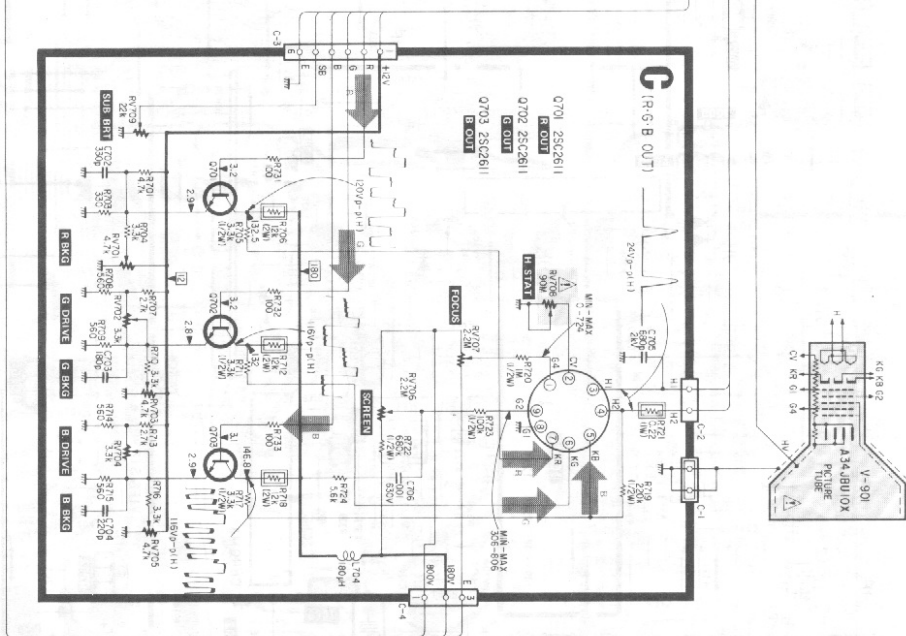
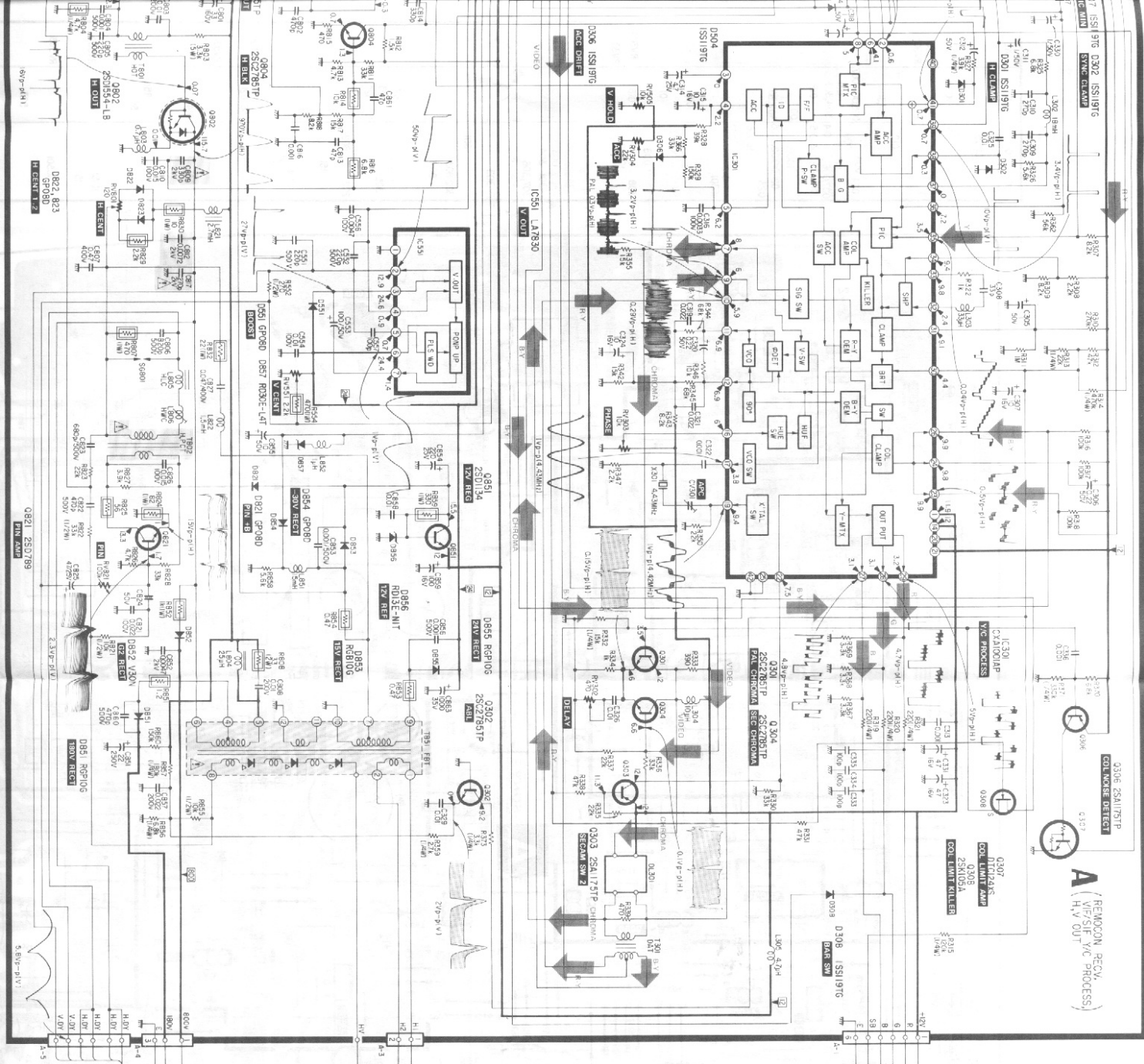
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.

• Readings are taken with a 100M Ω digital multimeter.

SCHEMATIC DIAGRAM

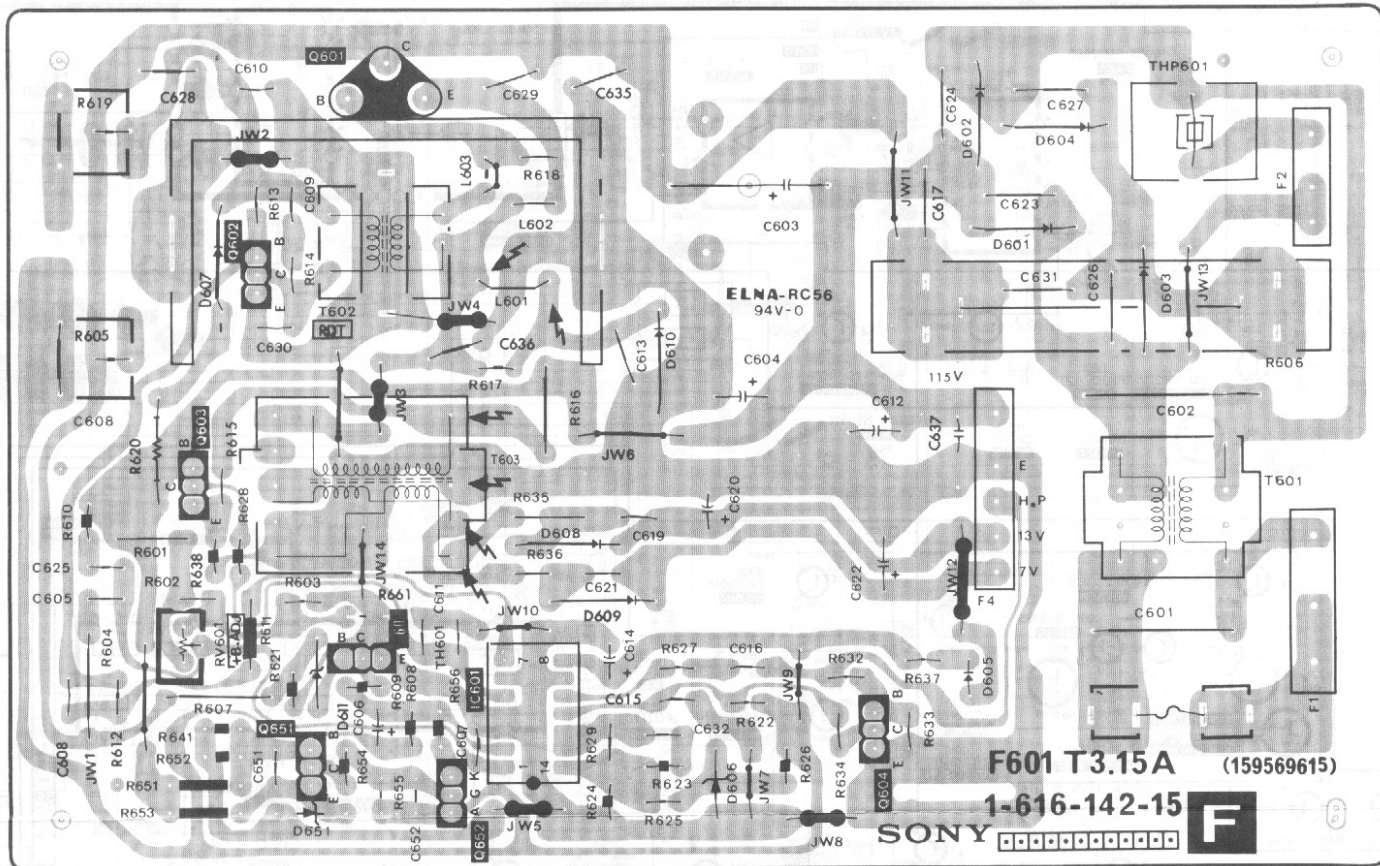






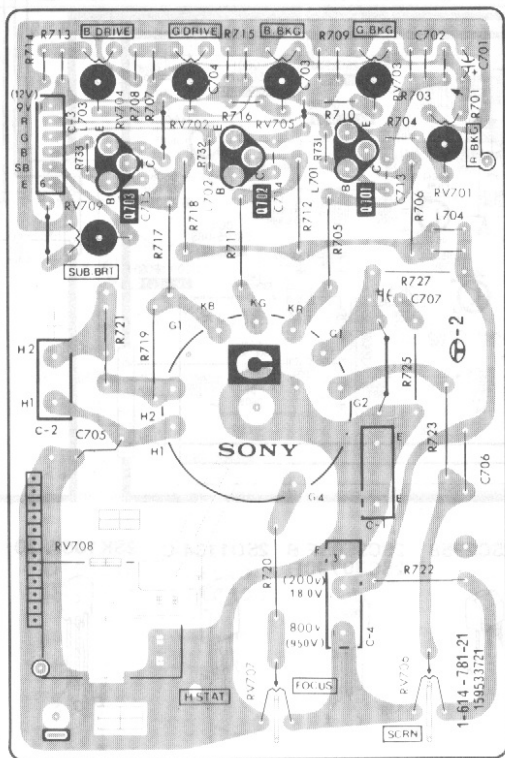
F

[POWER RECT,
REF PWM]

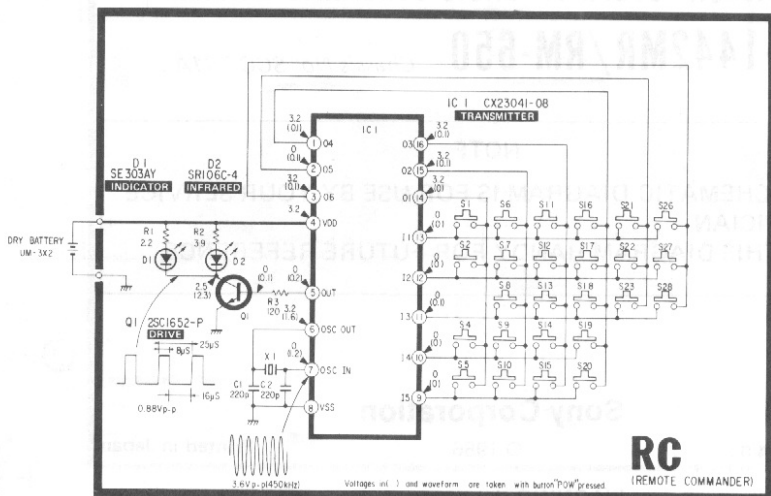


C

[R·G·B OUT]



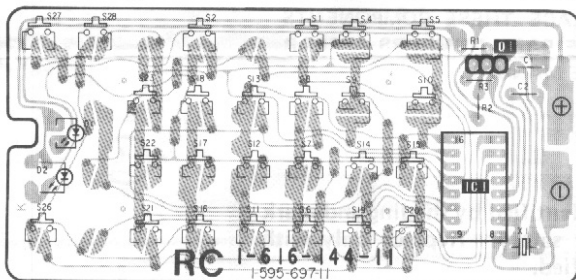
REMOTE COMMANDER RM-650



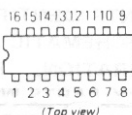
KEY MATRIX TABLE

	O1	O2	O3	O4	O5	O6
1.1	S1 NORM	S6 1-	S11 7	S16 4	S21 1	S26 MUTE
1.2	S2 D S P	S7 0	S12 8	S17 5	S22 2	S27 POW
1.3	S8 2-	S13 9	S18 6	S23 3	S28 1V	
1.4	S4 CH +	S9 VOL +	S14 PIC1	S19 COL +		
1.5	S5 CH -	S10 VOL -	S15 PIC-	S20 COL -		

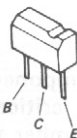
RC



CX23041-08



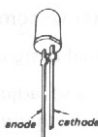
2SC1652



SR106C-4



SE303AY



- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k: 1000 Ω , M: 1000 k Ω
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- Voltages and waveform are for when any push button is pressed.
- Voltages in () are taken with button not pressed.