

Schematic Diagram

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(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

- S946 : Power "STANDBY ϕ /ON" switch. (POWER, STANDBY ϕ /ON)
- S948 : Muting switch. (MUTING)
- S950 : FM mode select switch. (FM AUTO/MONO)
- S951 : Band select switch. (BAND)
- S952 : Tuning switch. ($\vee$)
- S953 : Tuning switch. ($\wedge$)
- S954 : Sleep switch. (SLEEP)
- S955 : Memory switch. (MEMORY)
- S956 : Preset tuning switch. ($\vee$)
- S957 : Preset tuning switch. ($\wedge$)
- S958 : Help/reset switch. (-HELP -RESET)
- S965 : 6ch discrete input select switch. (6CH DISCRETE INPUT)
- S970 : PTY search switch. (SEARCH)
- S971 : EON ON/OFF switch. (EON)
- S972 : PTY select switch. ($\wedge$)
- S973 : PTY select switch. ($\vee$)
- S974 : RDS display mode select switch. (DISPLAY MODE)
- S975 : DVD switch. (DVD)
- S976 : Delay time adjust switch. (DELAY TIME)
- S980 : Speakers select switch. (SPEAKERS A)
- S981 : Speakers select switch. (SPEAKERS B)
- S982 : Loudness ON/OFF switch. (LOUDNESS)
- S983 : DOLBY PRO LOGIC OFF ON switch. (OFF/ON)
- S984 : DOLBY PRO LOGIC mode detect switch. ($\square\square$ PRO LOGIC)
- S985 : Center mode select switch. (CENTER MODE)
- S991 : Phono switch. (PHONO)
- S992 : Tuner switch. (TUNER)
- S993 : CD switch. (CD)
- S994 : Tape monitor switch. (TAPE MONITOR)
- S995 : TV/VCR 2 switch. (TV/VCR 2)
- S996 : VCR1 switch. (VCR 1)
- VR401 : Input level control VR. (SURROUND L LEVEL)
- VR402 : Input level control VR. (SURROUND R LEVEL)
- VR403 : Input level control VR. (CENTER LEVEL)
- VR501 : Volume control VR. (VOLUME)
- VR502 : Balance control. (BALANCE)
- VR511 : Bass control VR. (BASS)
- VR512 : Treble control VR. (TREBLE)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark FM
 () AM
 < > Fan motor OFF
 「 」 Fan motor ON

- Important safety notice:
 Components identified by $\triangle$ mark have special characteristics important for safety.

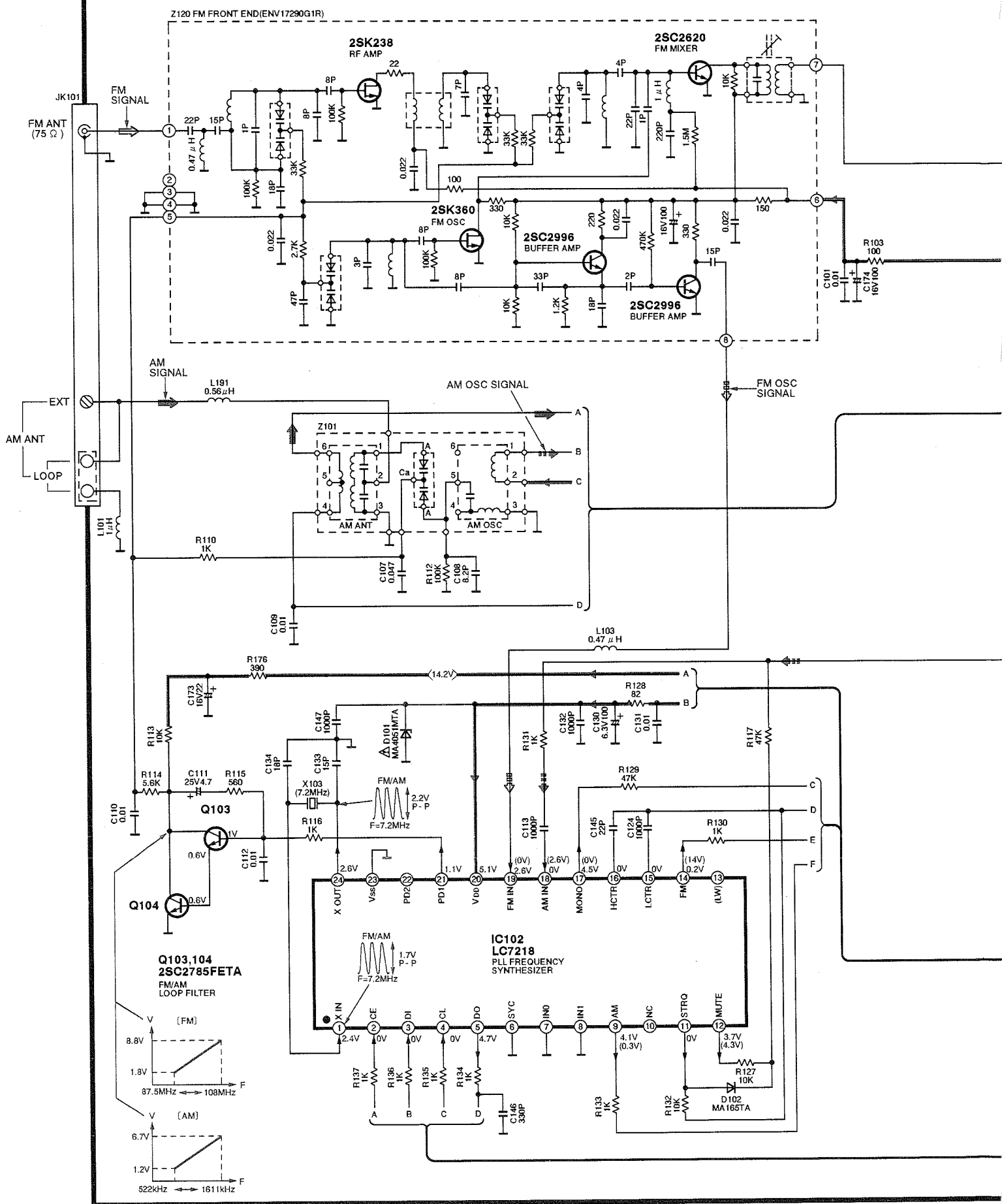
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

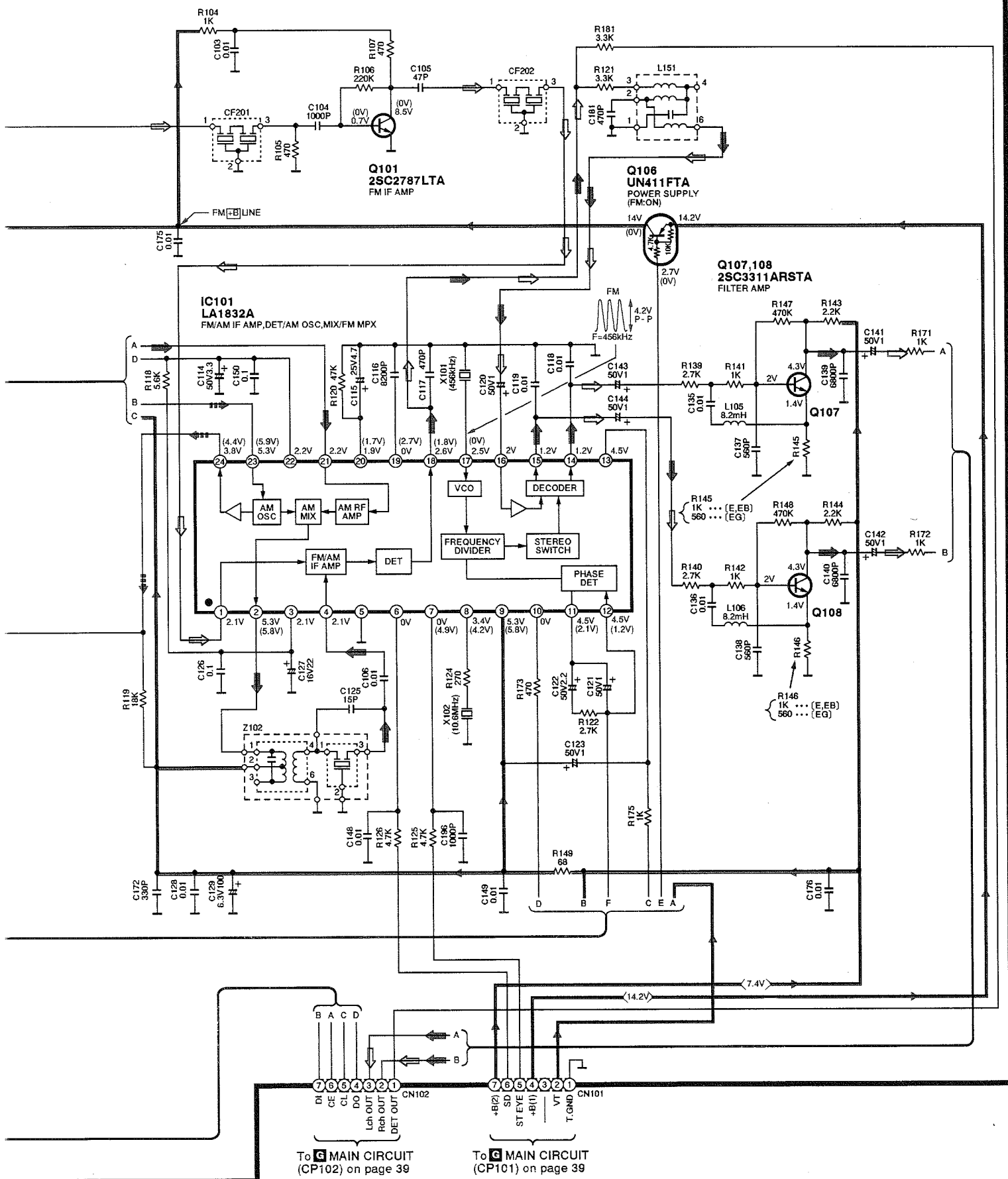
Caution!

IC and LSI are sensitive to static electricity.
 Secondary trouble can be prevented by taking care during repair.
 Cover the parts boxes made of plastics with aluminum foil.
 Ground the soldering iron.
 Put a conductive mat on the work table.
 Do not touch the legs of IC or LSI with the fingers directly.

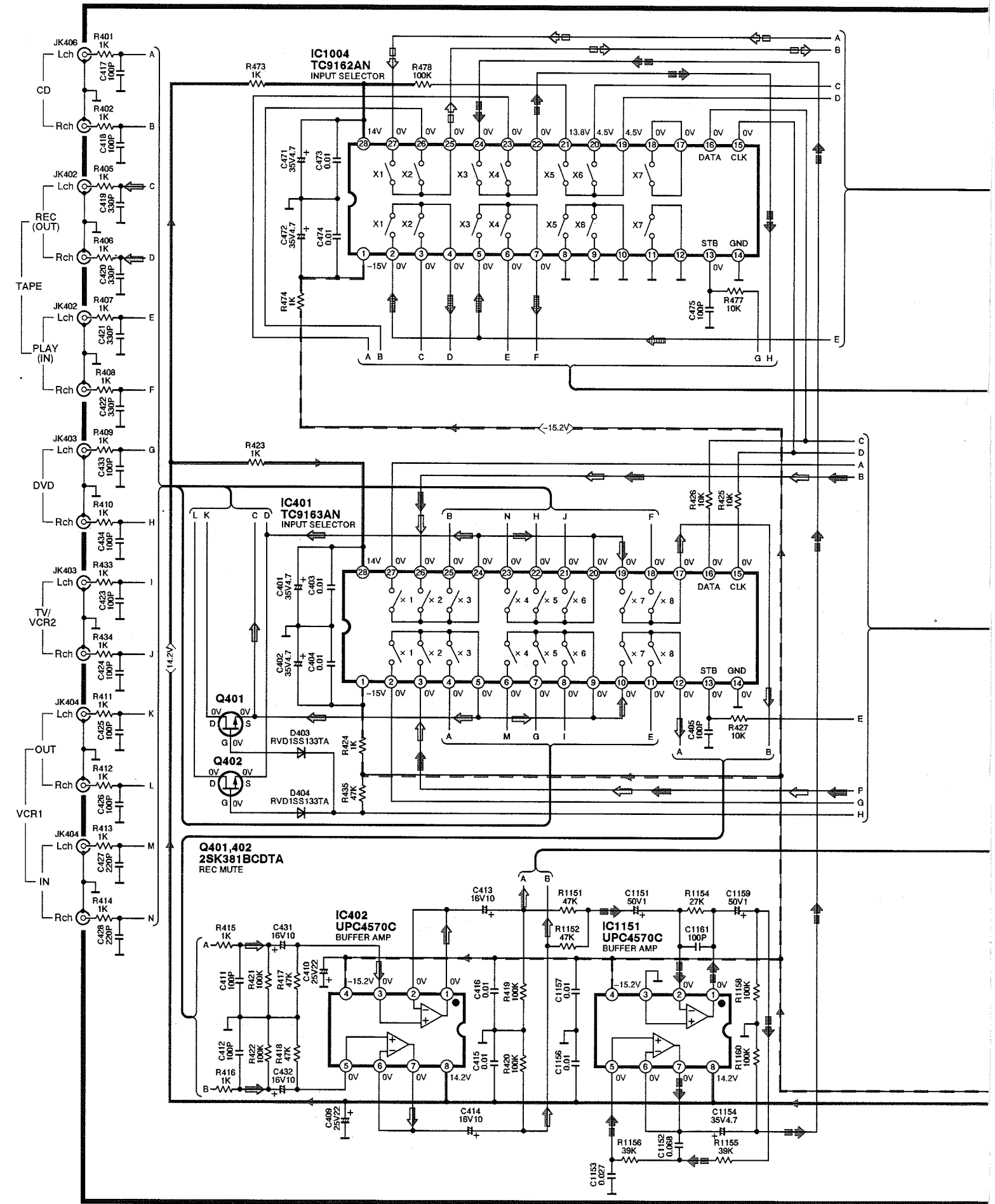
-  : FM SIGNAL LINE
-  : FM OSC SIGNAL LINE
-  : AM SIGNAL LINE
-  : AM OSC SIGNAL LINE
-  : MAIN SIGNAL LINE
-  : CENTER SPEAKER SIGNAL LINE
-  : SURROUND SPEAKER SIGNAL LINE
-  : SUB WOOFER SPEAKER SIGNAL LINE
-  : REC OUT SIGNAL LINE
-  : +B LINE
-  : -B LINE

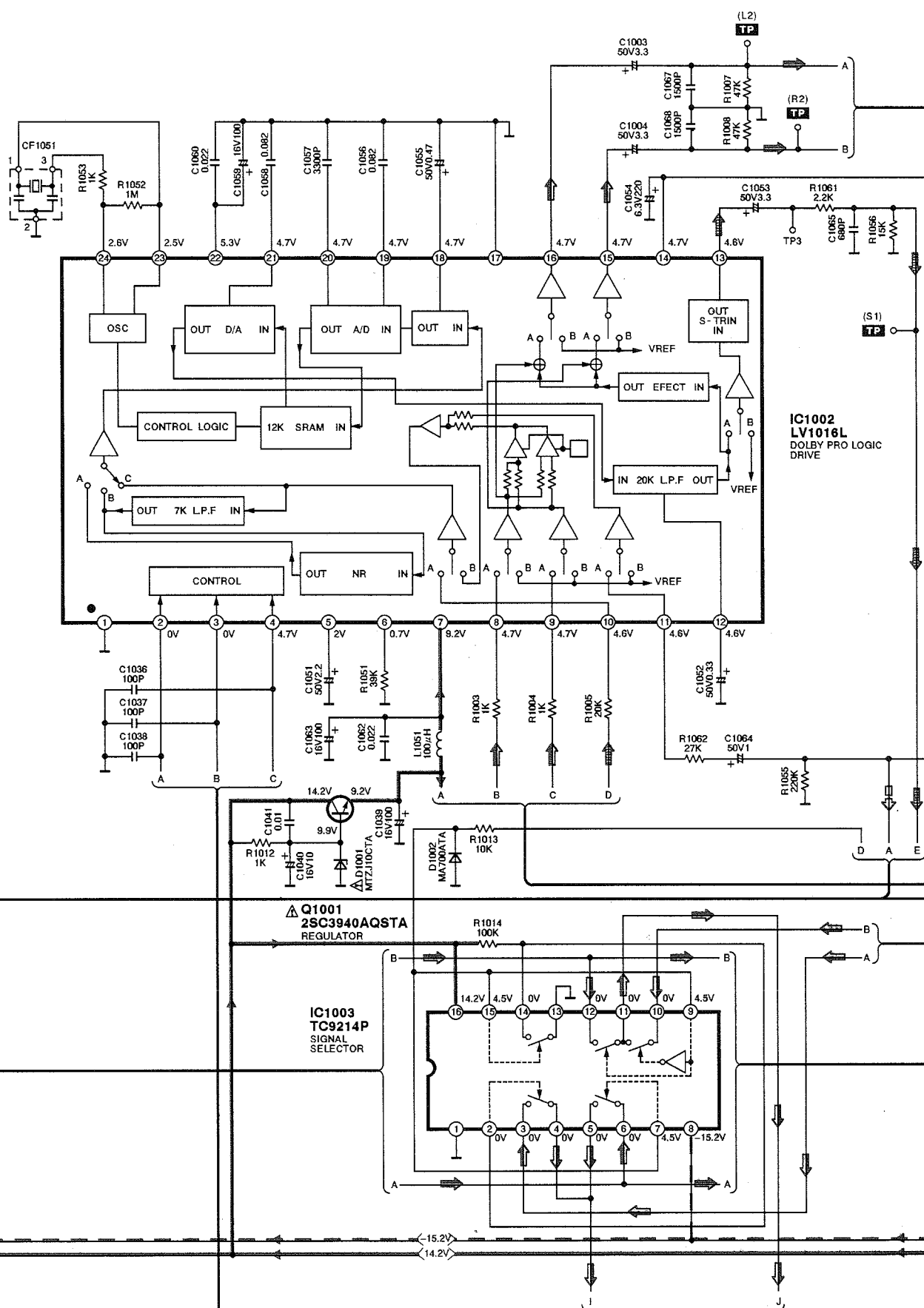
A TUNER CIRCUIT (P.C.Board: on page 43)

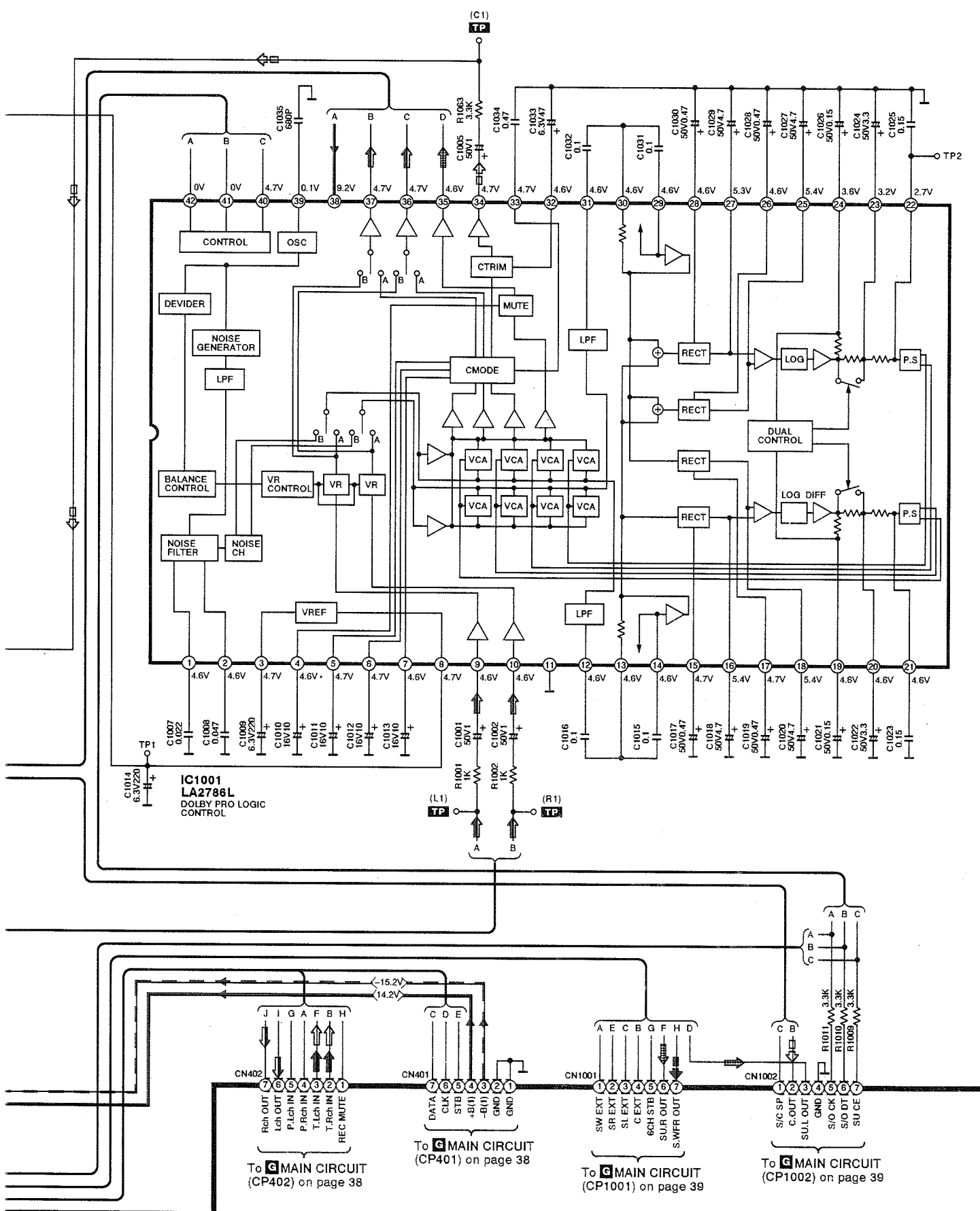


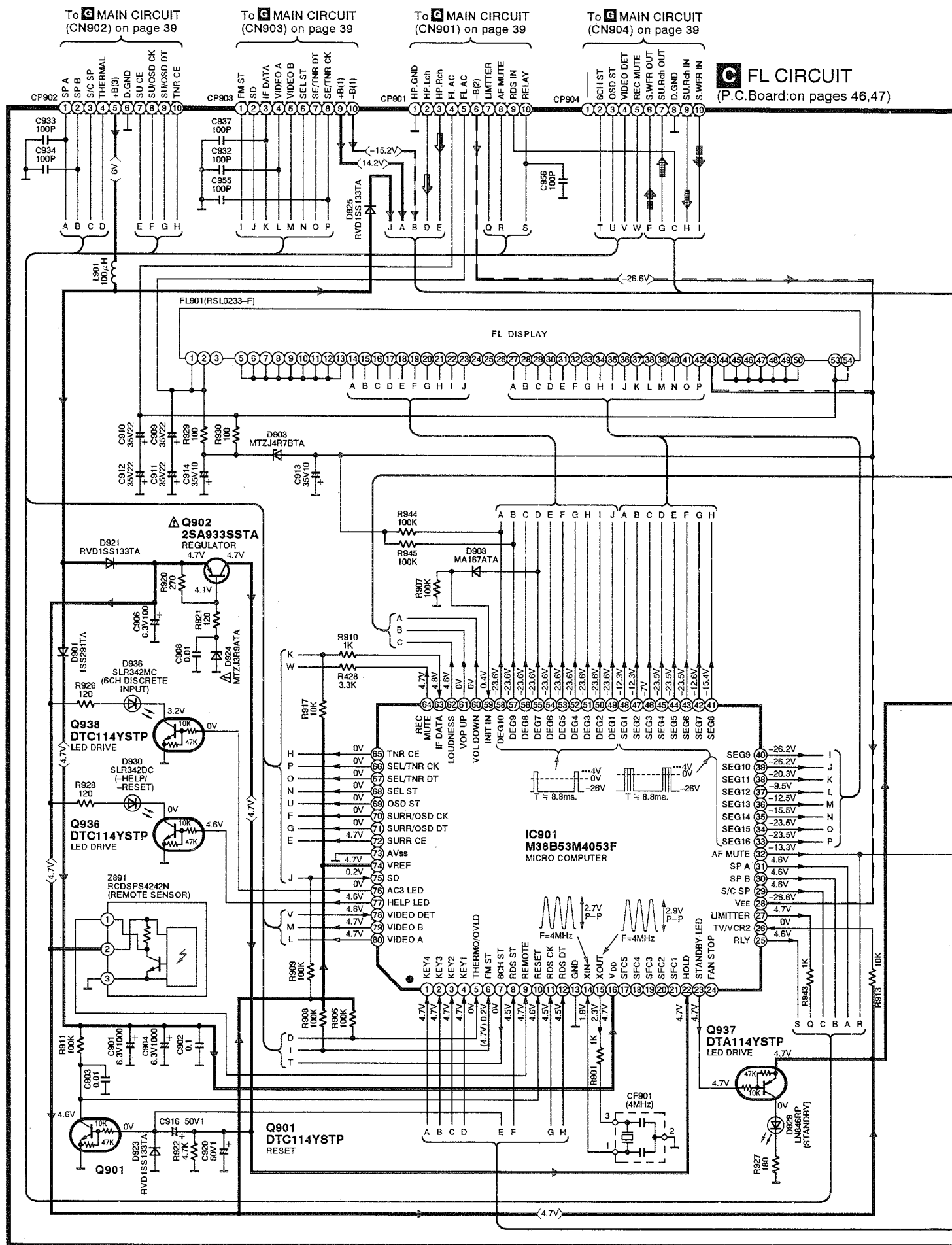


B IN/OUT TERMINAL CIRCUIT (P.C.Board: on page 44)

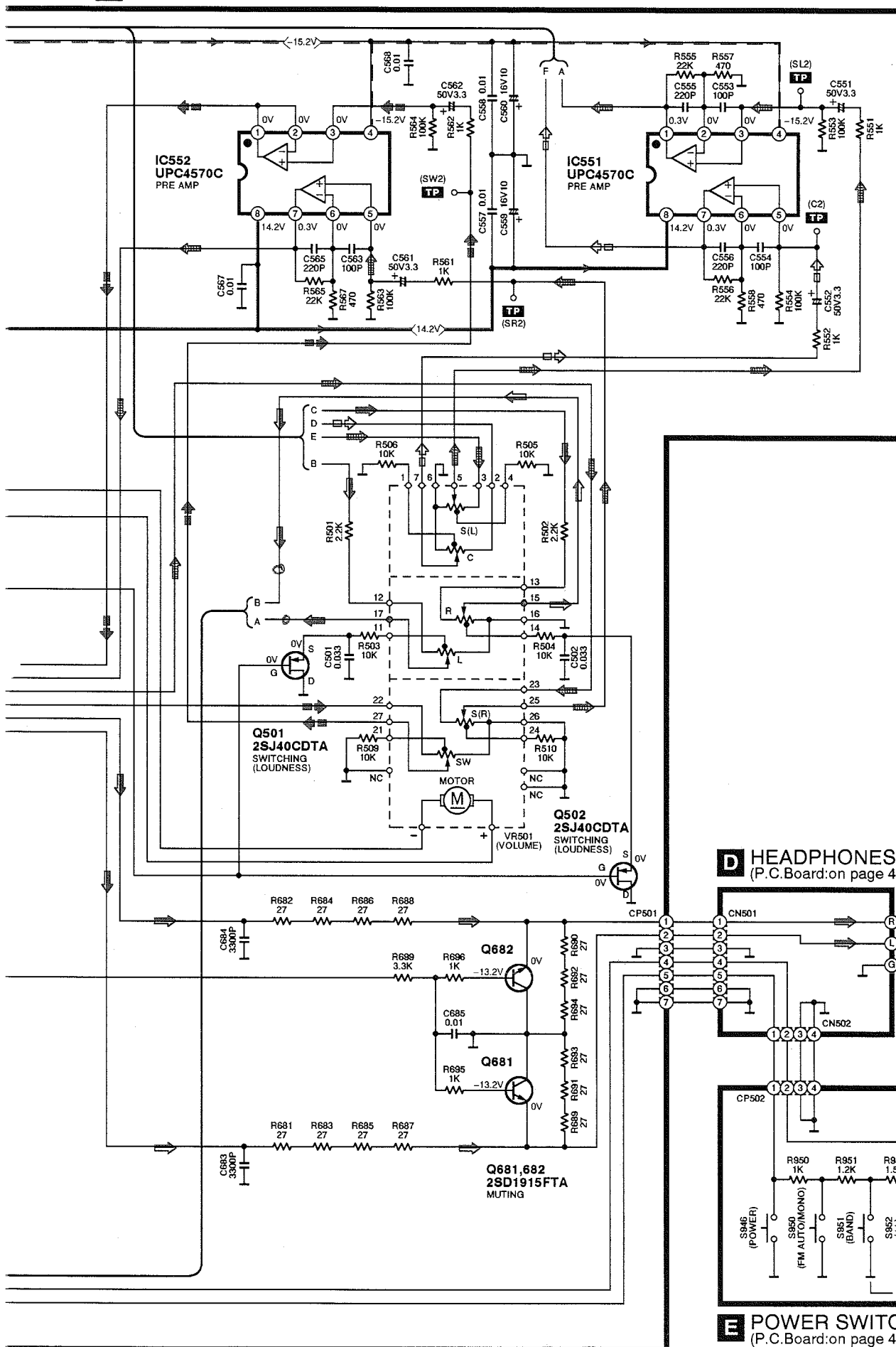
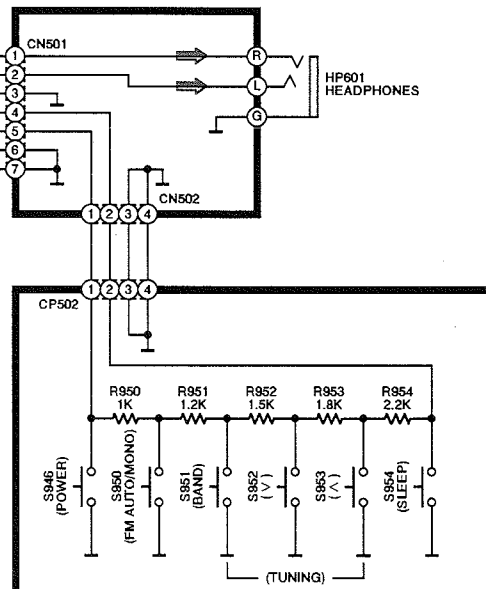




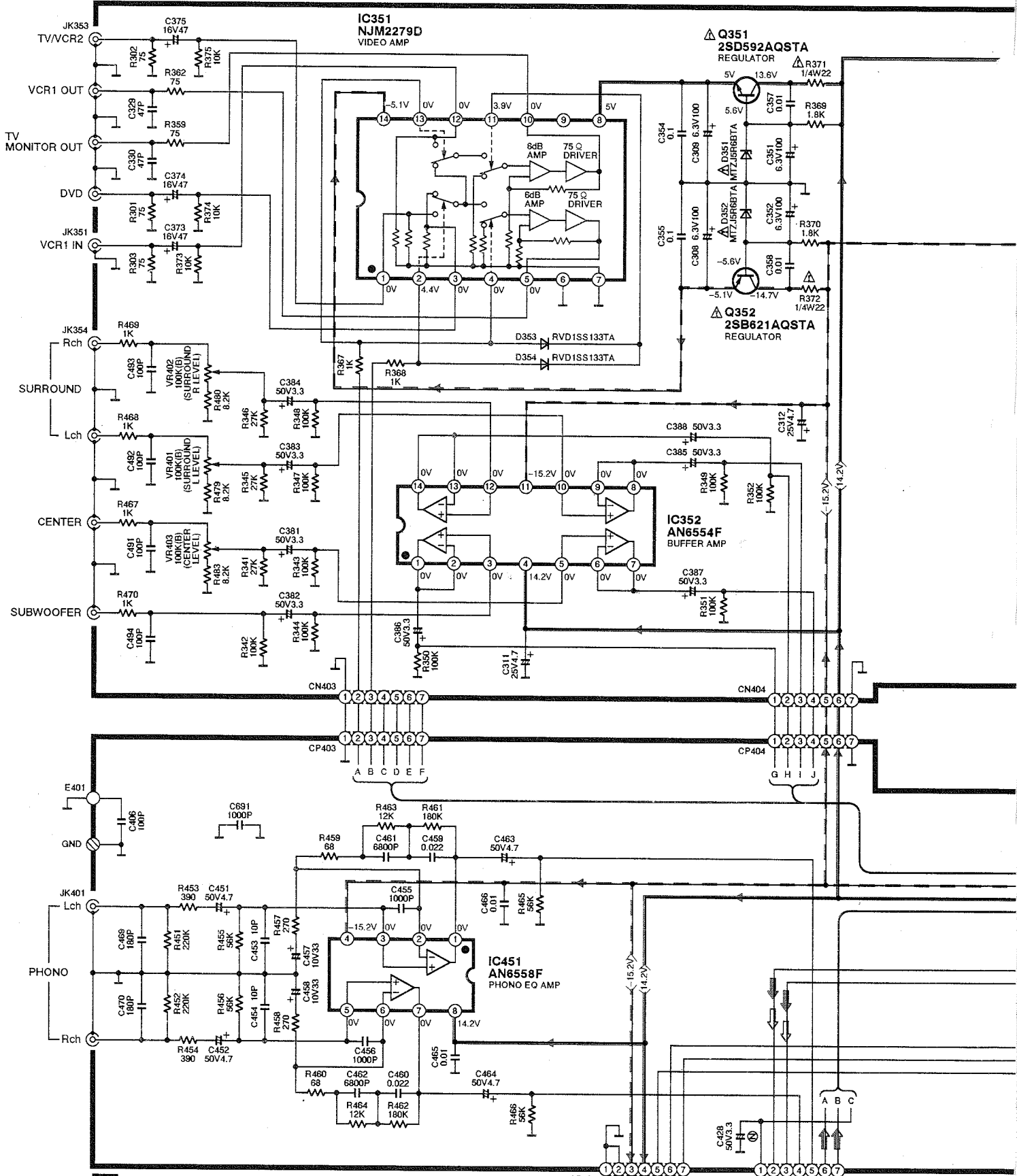
B IN/OUT TERMINAL CIRCUIT (P.C.Board on page 44)





C FL CIRCUIT (P.C.Board: on pages 46,47)**D** HEADPHONES JACK CIRCUIT (P.C.Board: on page 43)**E** POWER SWITCH CIRCUIT (P.C.Board: on page 43)

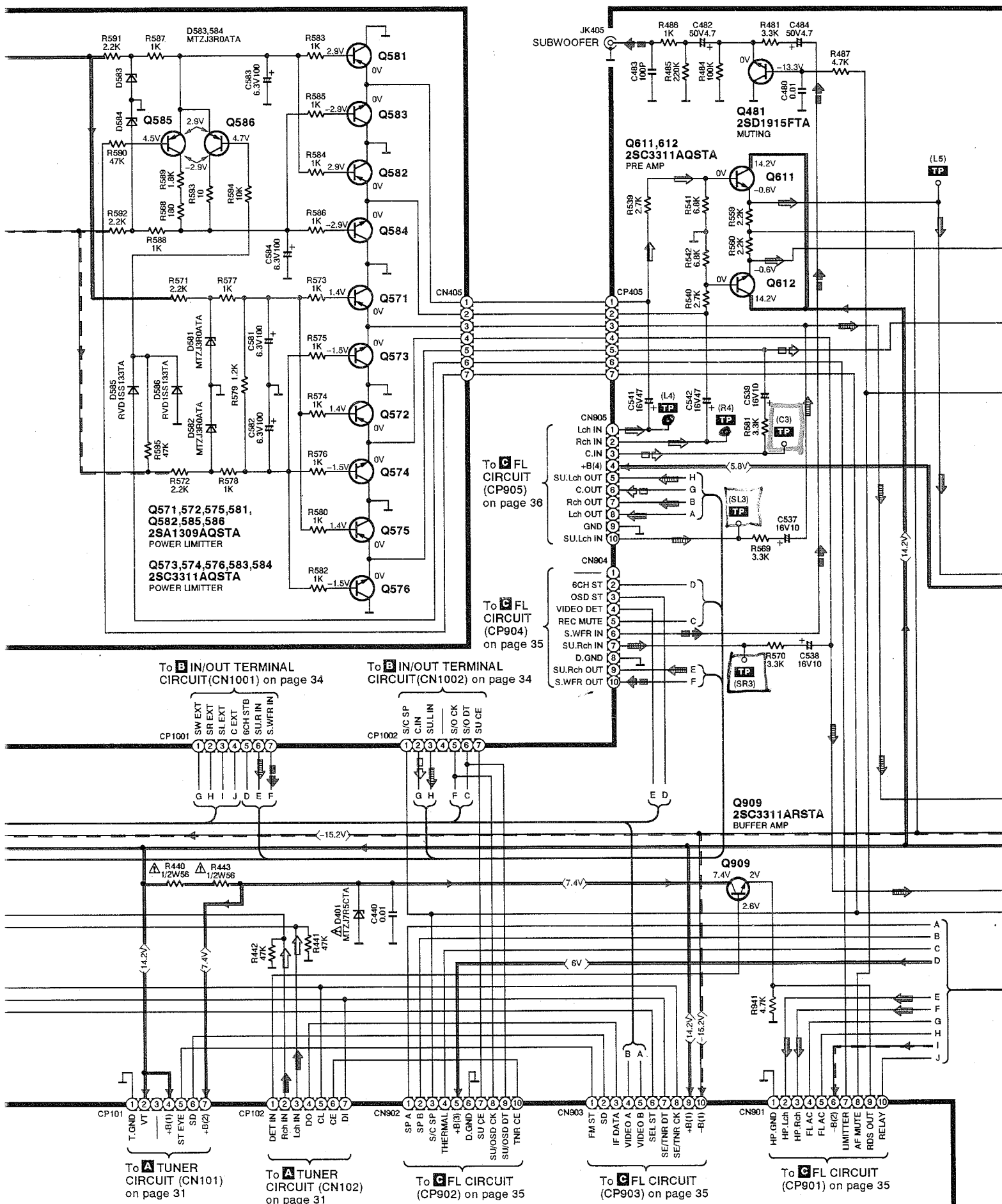
F SURROUND CIRCUIT (P.C.Board: on page 45)



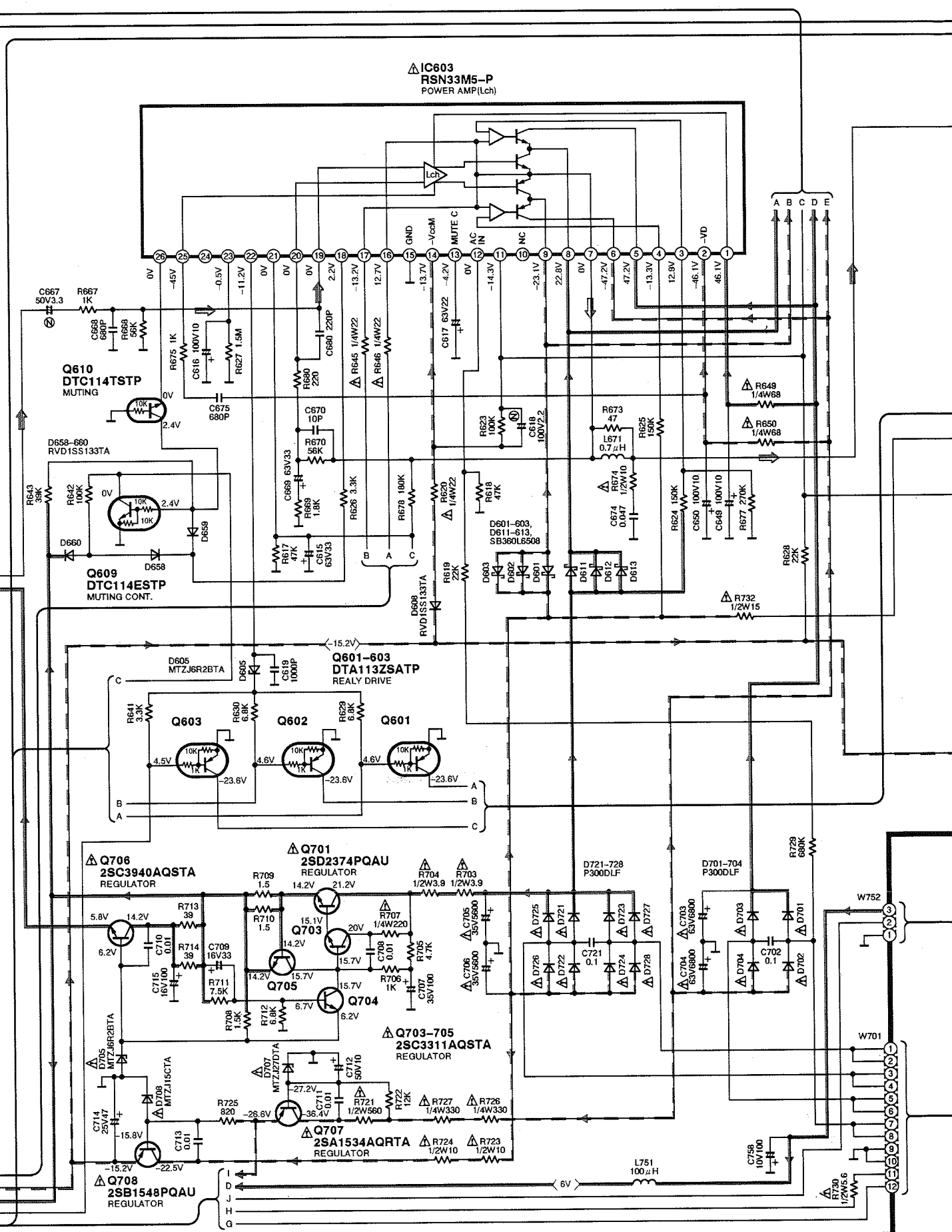
G MAIN CIRCUIT (P.C.Board: on pages 48,49)

To **B** IN/OUT
TERMINAL CIRCUIT
(CN401) on page 34

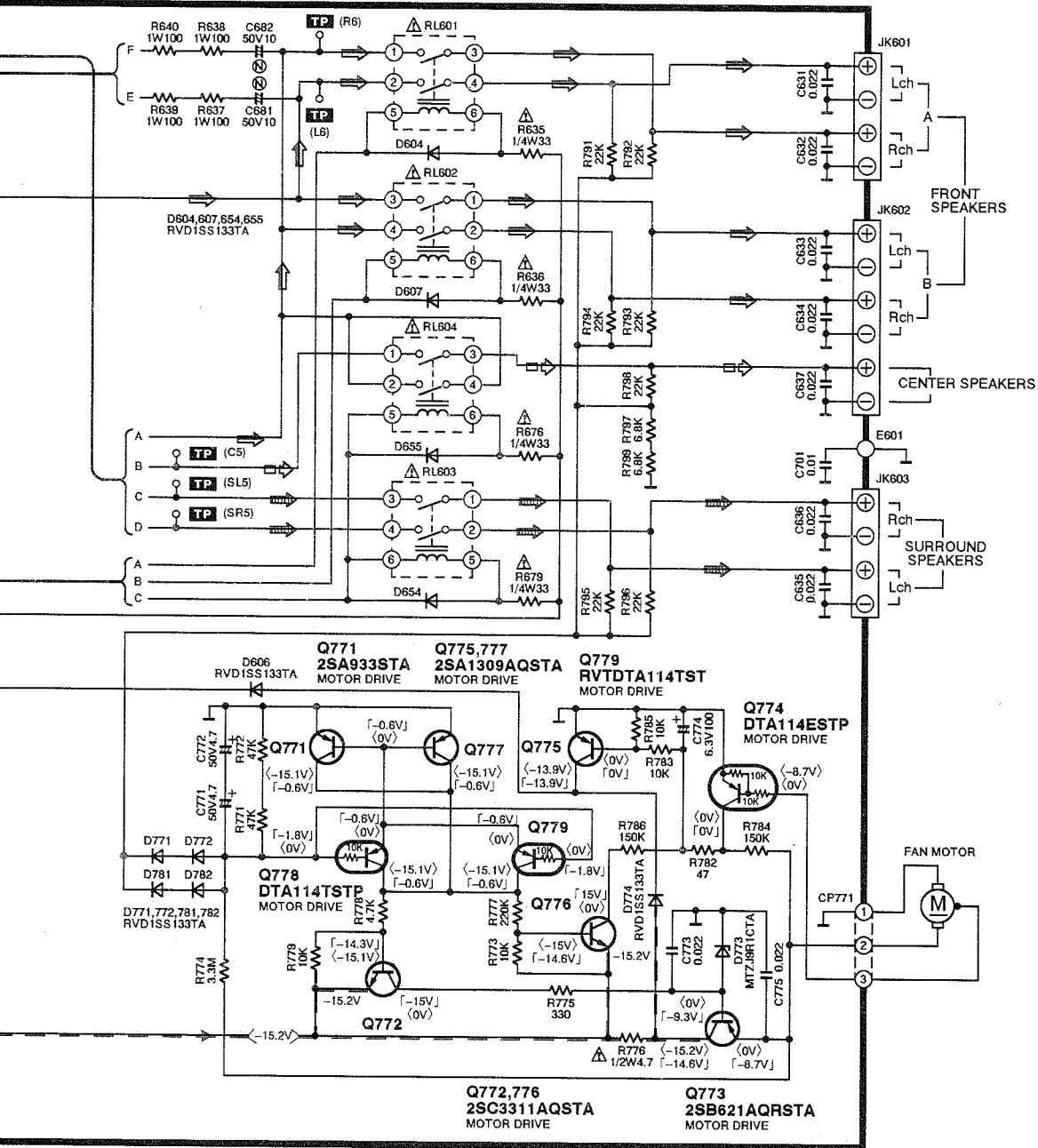
To **B** IN/OUT
TERMINAL CIRCUIT
(CN402) on page 34



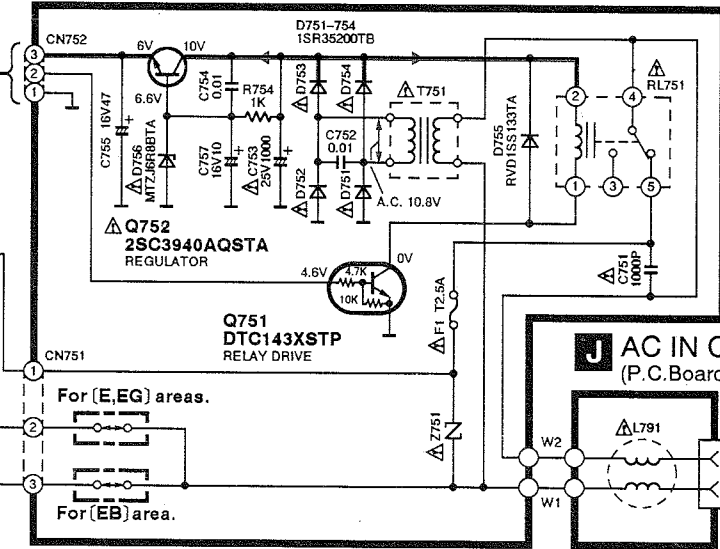




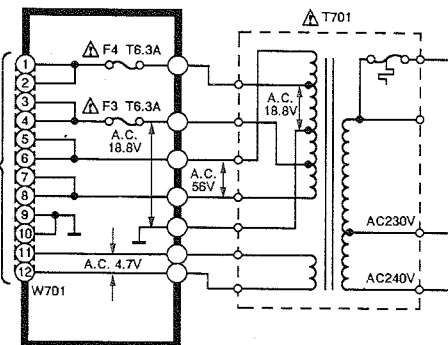
G MAIN CIRCUIT (P.C.Board: on pages 48,49)



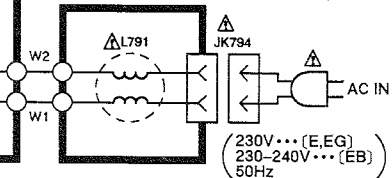
I POWER SUPPLY CIRCUIT (P.C.Board: on page 50)



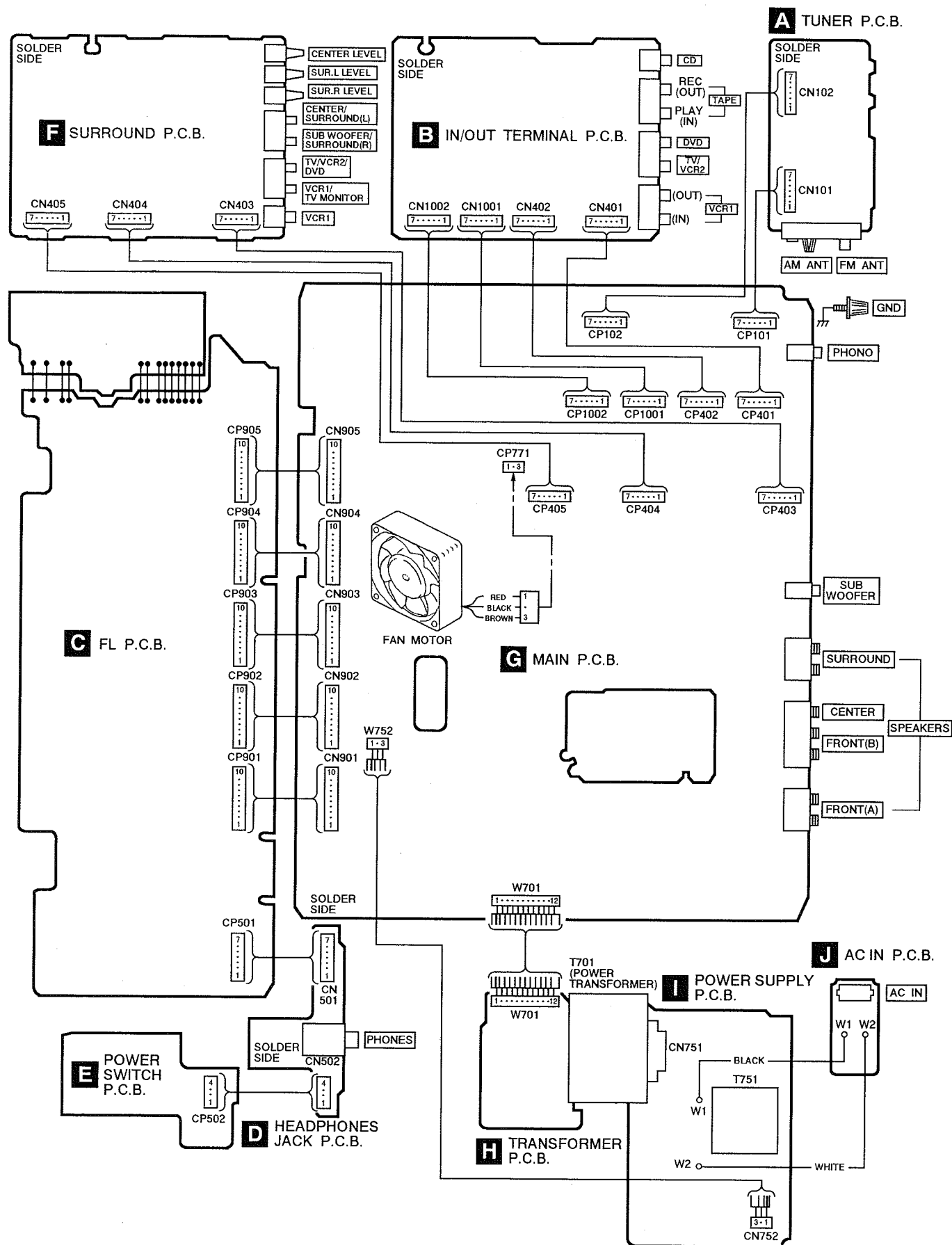
H TRANSFORMER CIRCUIT (P.C.Board: on page 50)



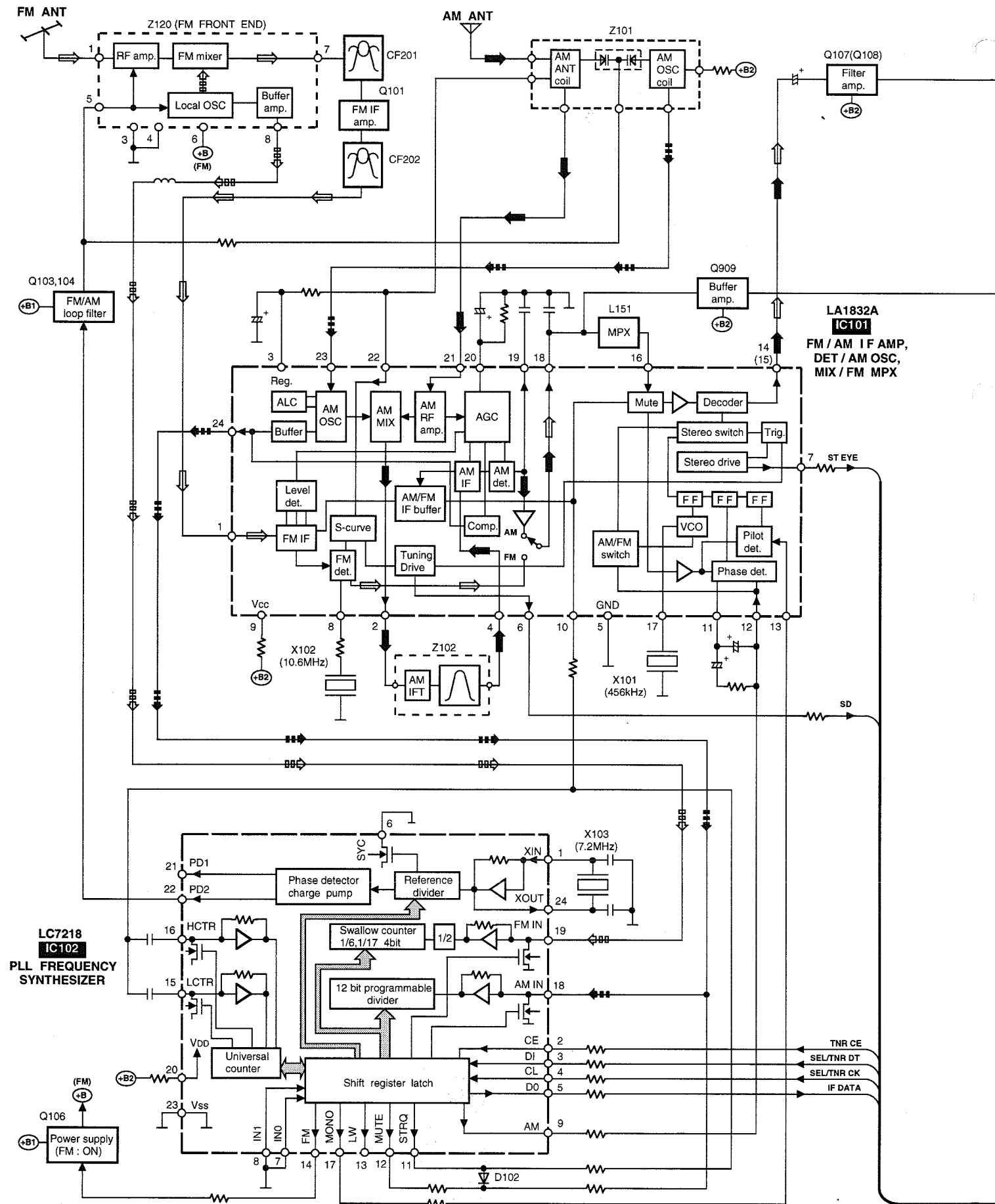
J AC IN CIRCUIT (P.C.Board: on page 50)



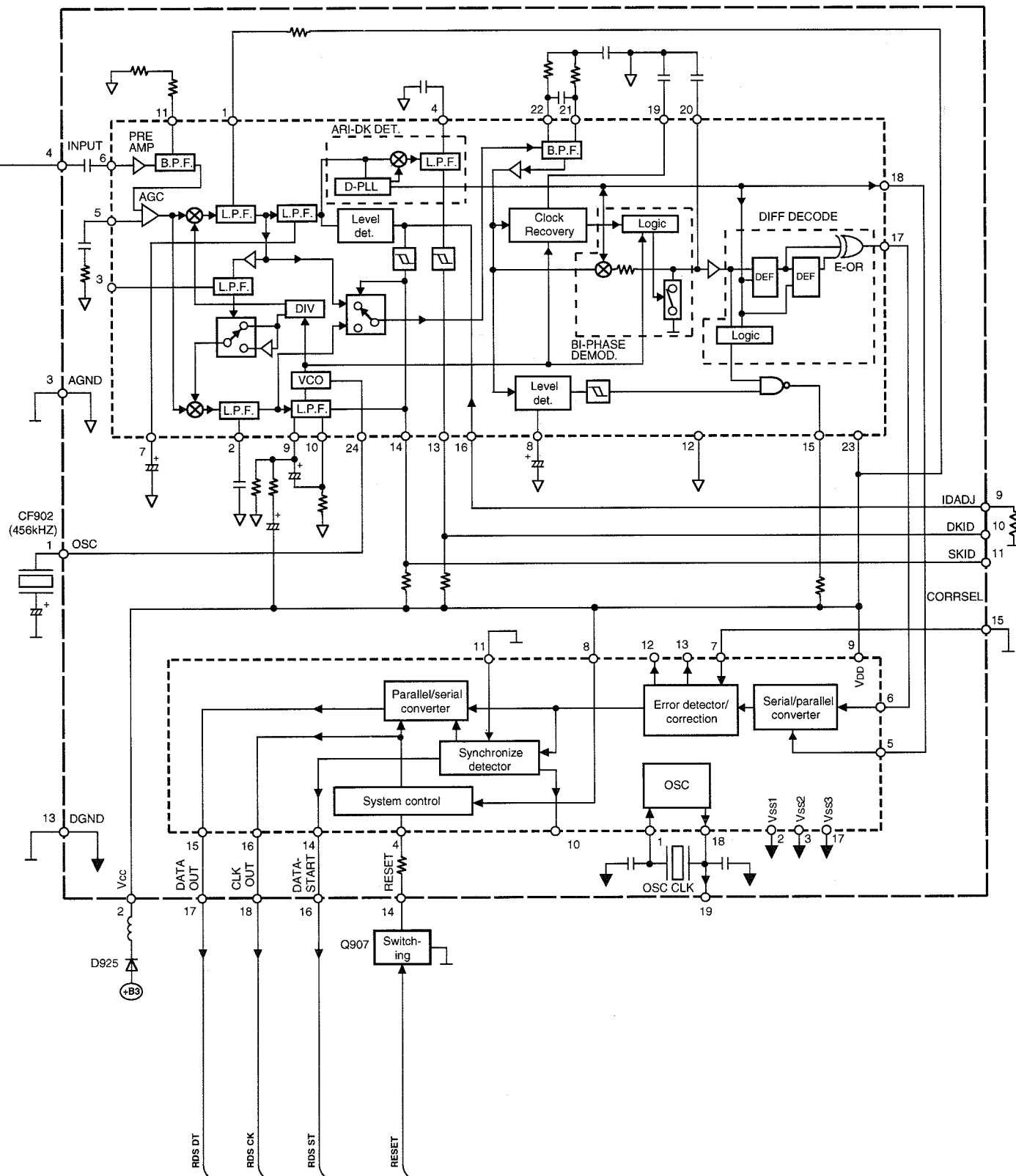
Wiring Connection Diagram

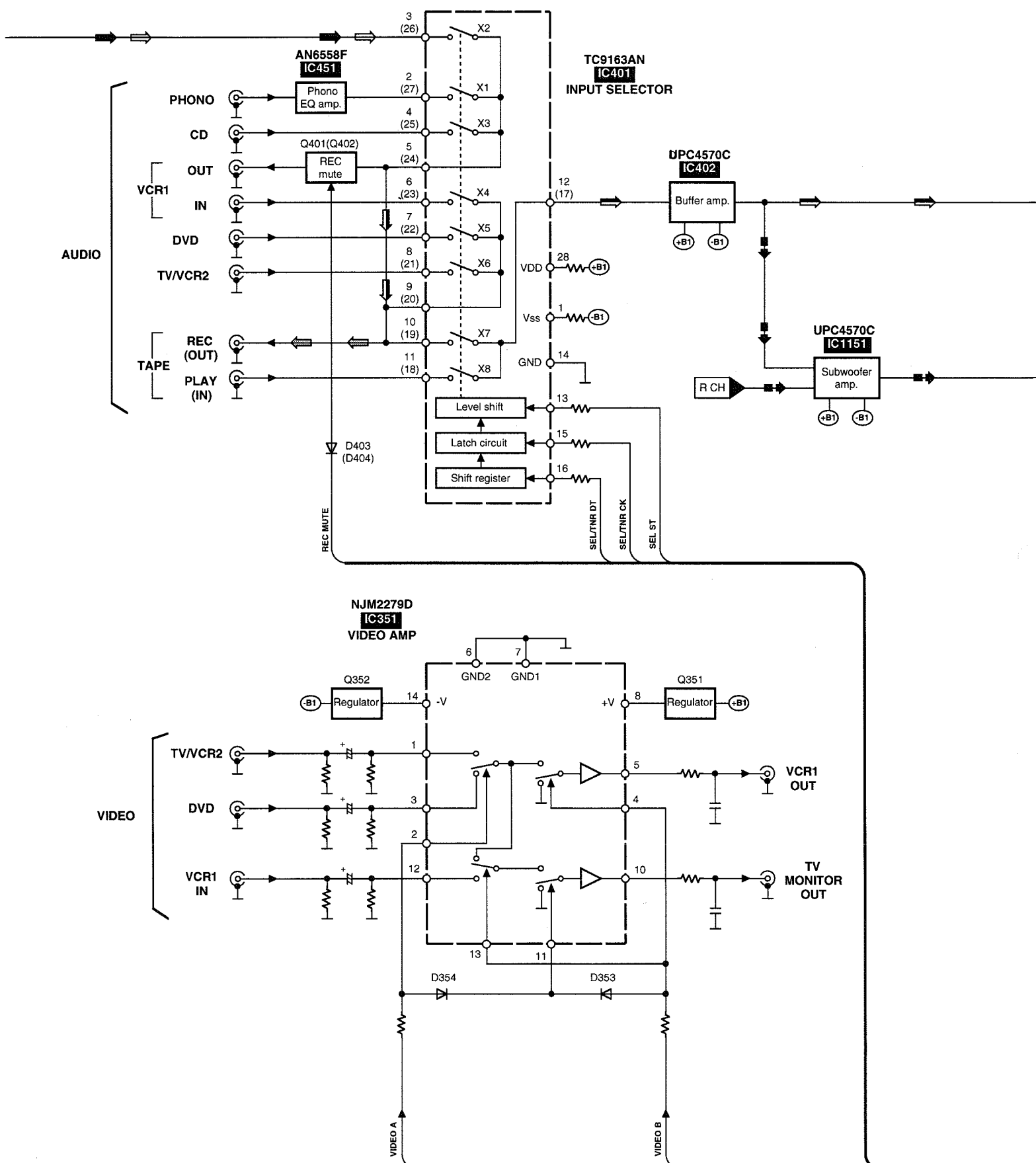


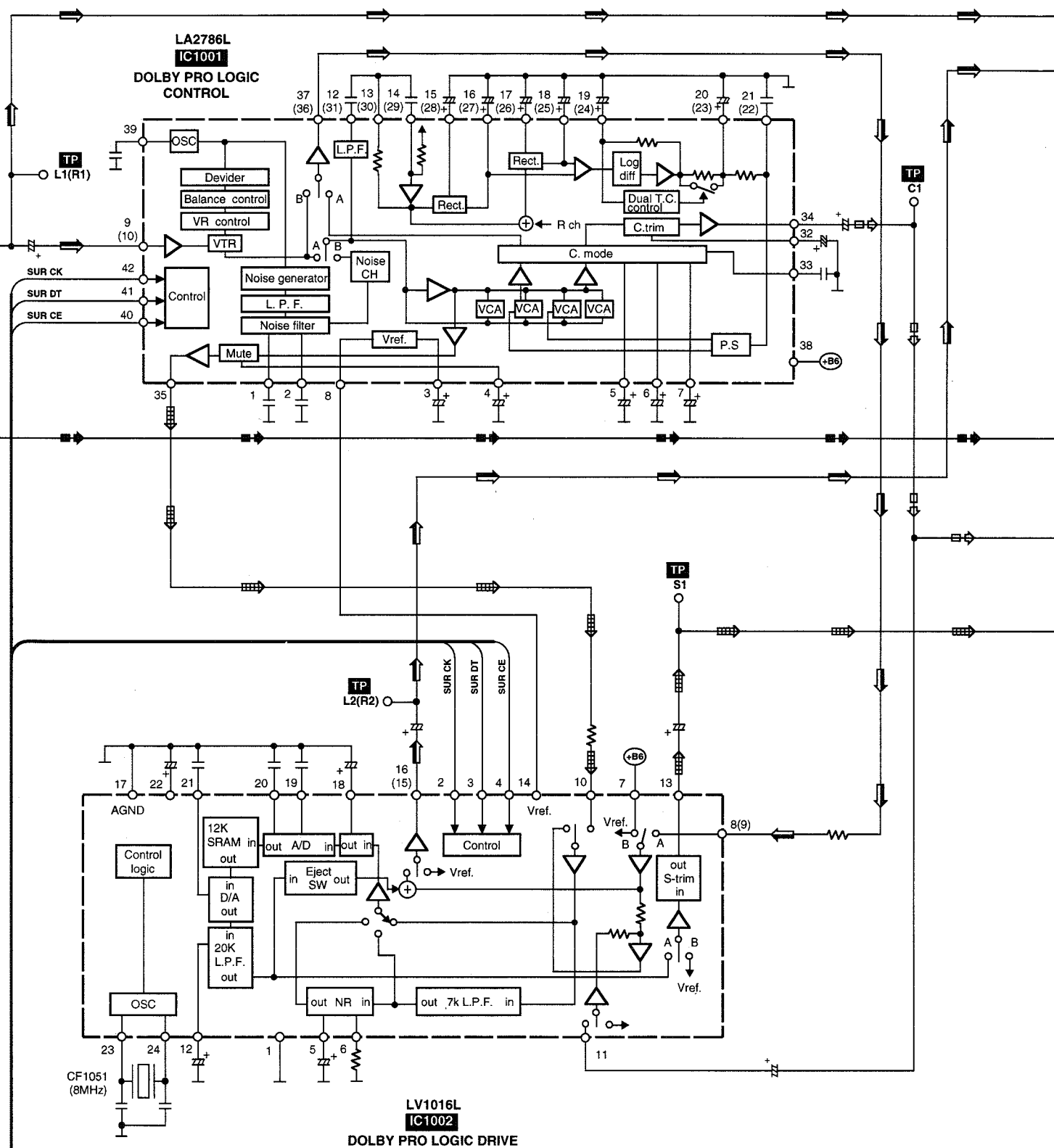
Block Diagram

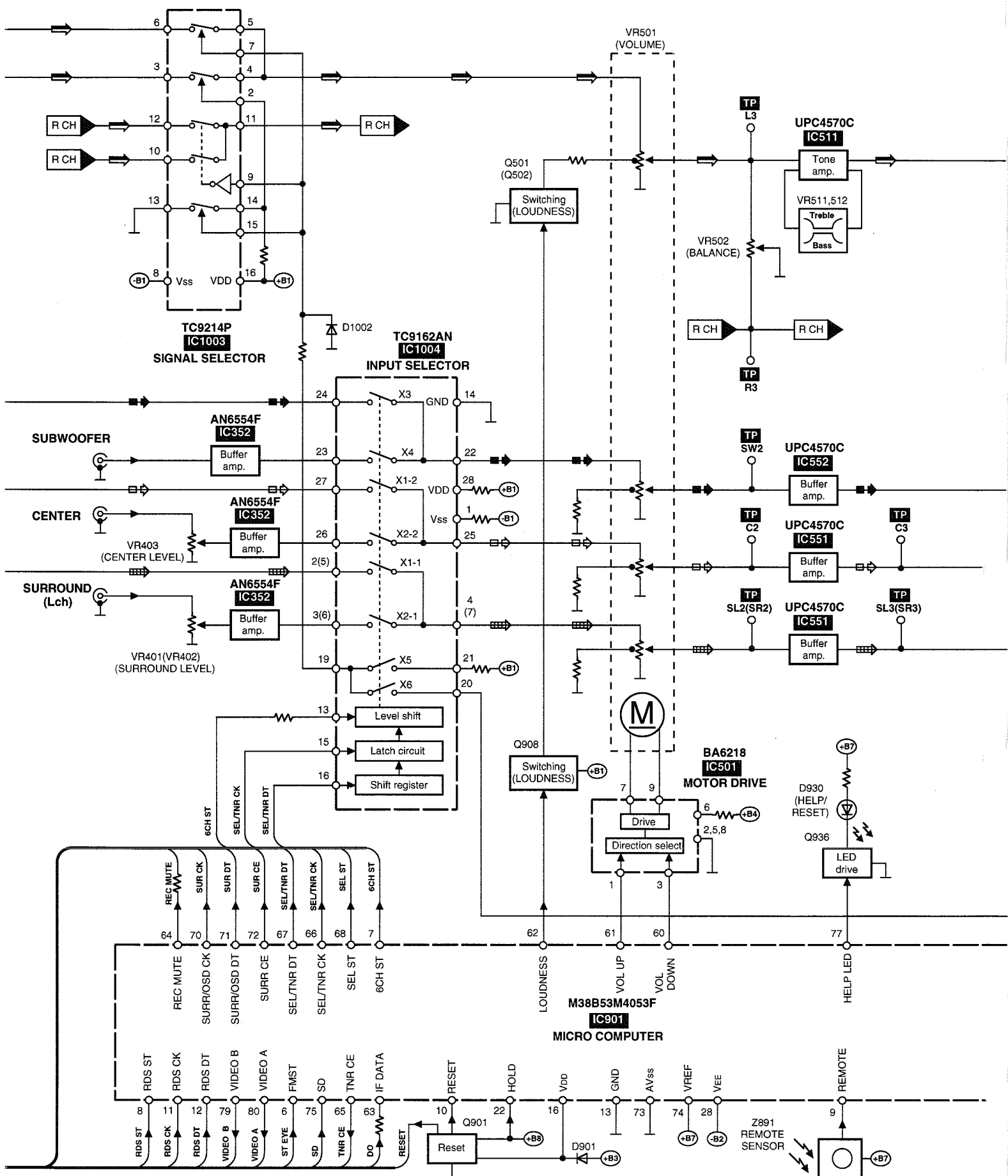


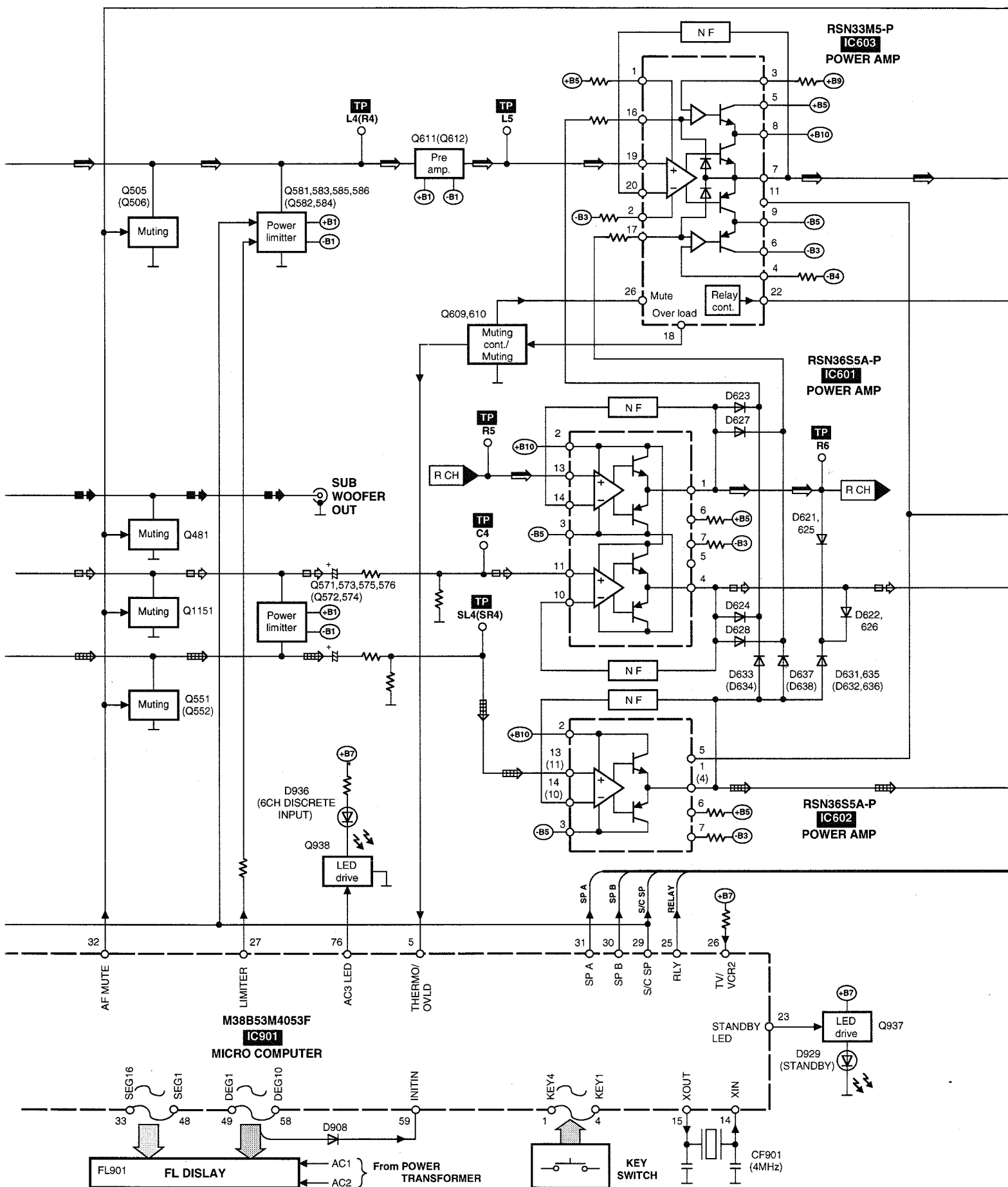
STK311-010
IC902
 RDS DECODER

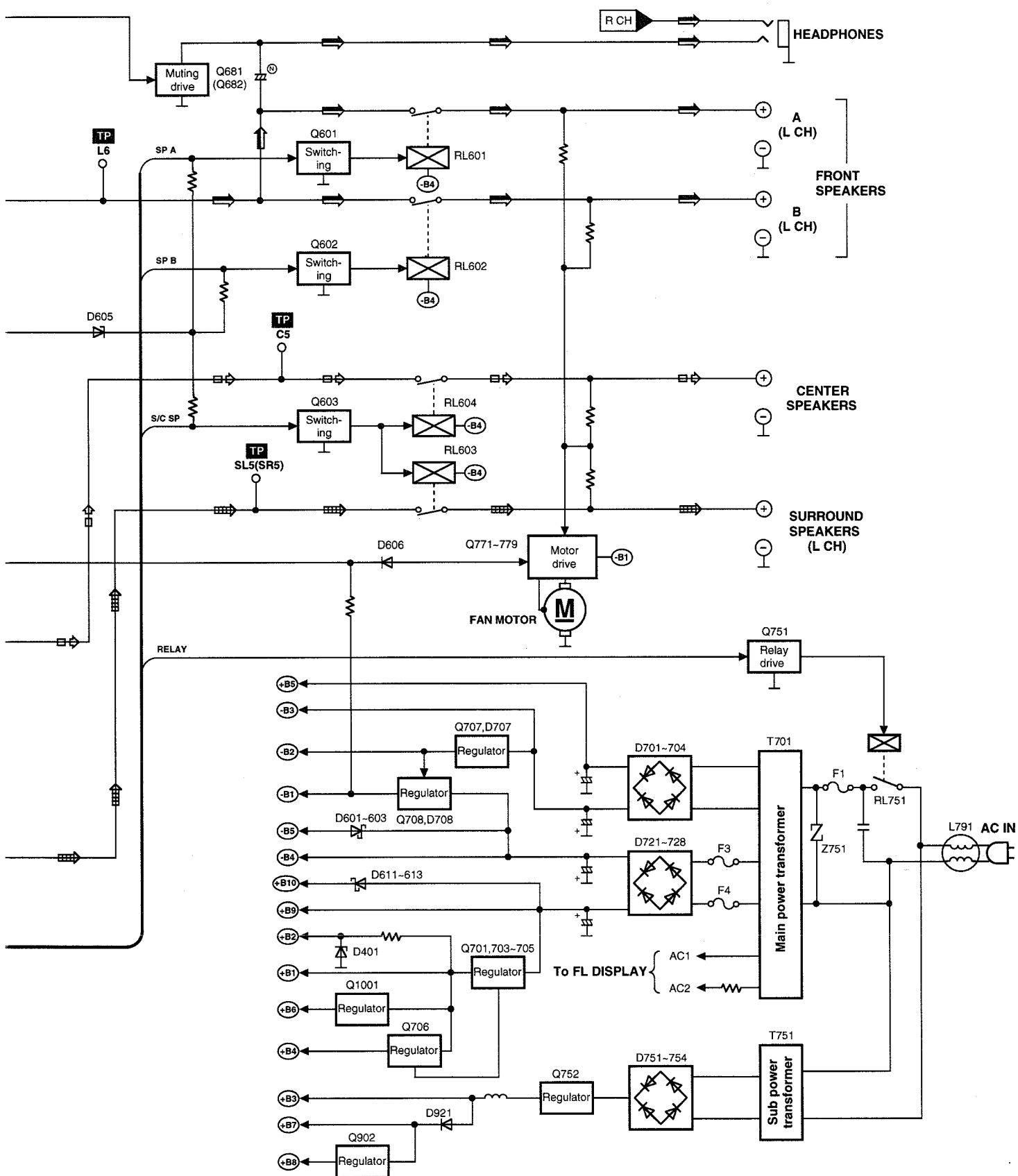












Notes

- 1) : FM signal : AM signal : FM OSC signal : AM OSC signal
 : Main signal : REC out signal : Center speaker drive signal
 : Surround speaker drive signal : Subwoofer speaker drive signal
- 2) () indicates pin No. Right channel.