

STR-DB925

SERVICE MANUAL

AEP Model
UK Model
Australian Model



Photo: BLACK

This receiver incorporates the Dolby* Pro Logic Surround system and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol , "PRO LOGIC," and Dolby Digital (AC-3) are trademarks of Dolby Laboratories Licensing Corporation.

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode (4 ohms DIN 1 kHz)
100 W + 100 W

Surround mode

(4 ohms DIN 1 kHz)
Front: 100 W + 100 W
Center^a: 100W
Rear^a: 100 W + 100 W

^a) Depending on the sound field settings and the source, there may be no sound output.

Frequency response

PHONO:

RIAA equalization
curve
±0.5 dB

CD, TAPE, MD/DAT,
DVD, TV/LD,
VIDEO 1, 2, and
VIDEO 3:
10 Hz - 50 kHz
+0.5/-2 dB (with
sound field, tone,
and bass booster
bypassed)

Inputs (Analog)

PHONO:

Sensitivity: 2.5 mV
Impedance:
50 kilohms
S/N^b: 75 dB (A,
2.5 mV^c)

CD, DVD, TAPE, MD/
DAT, TV/LD,
VIDEO 1, 2, 3, and
5.1 INPUT:

Sensitivity: 150 mV
Impedance:
50 kilohms
S/N^b: 82 dB (A,
150 mV^c)

^b) 78' IHF

^c) Weighted network, input level

Inputs (Digital)

DVD (coaxial):
Sensitivity: -
Impedance: 75 ohms
S/N: 100 dB (A,
20 kHz LPF)

DVD, TV/LD, MD/
DAT (Optical):
Sensitivity: -
Impedance: -
S/N: 100 dB (A,
20 kHz LPF)

Outputs

TAPE, MD/DAT (REC
OUT); VIDEO 1, 2
(AUDIO OUT):
Voltage: 150 mV,
Impedance:
10 kilohms
WOOFER:
Voltage: 2 V
Impedance:
1 kilohms
PHONES:
Accepts low- and
high-impedance
headphones

BASS BOOST +6 dB at 70 Hz

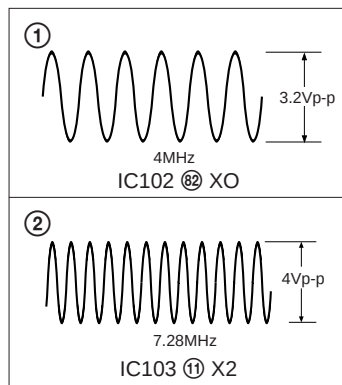
— Continued on next page —

FM STEREO/FM-AM RECEIVER

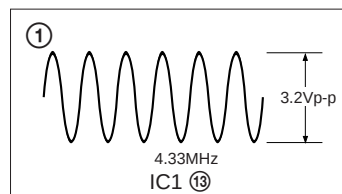


SONY®

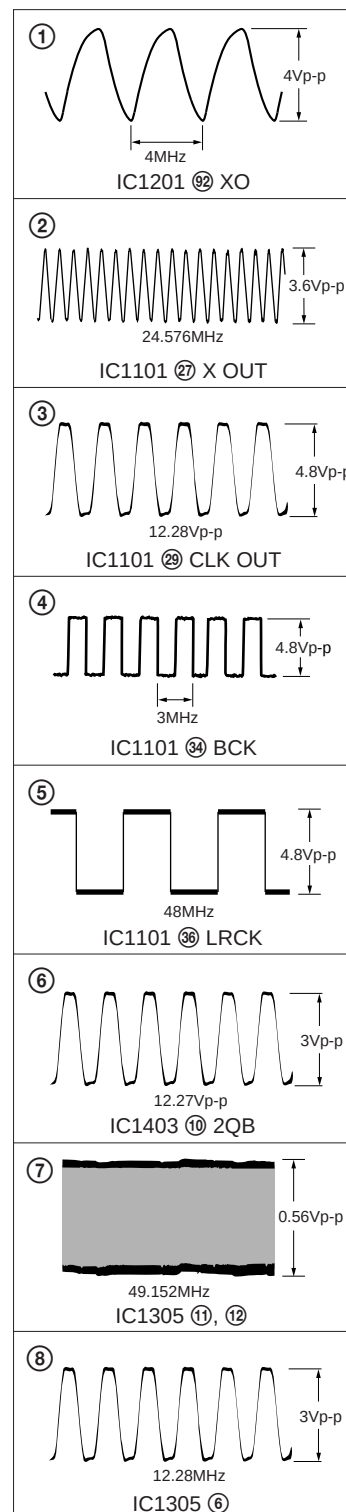
WAVEFORMS - DISPLAY SECTION -



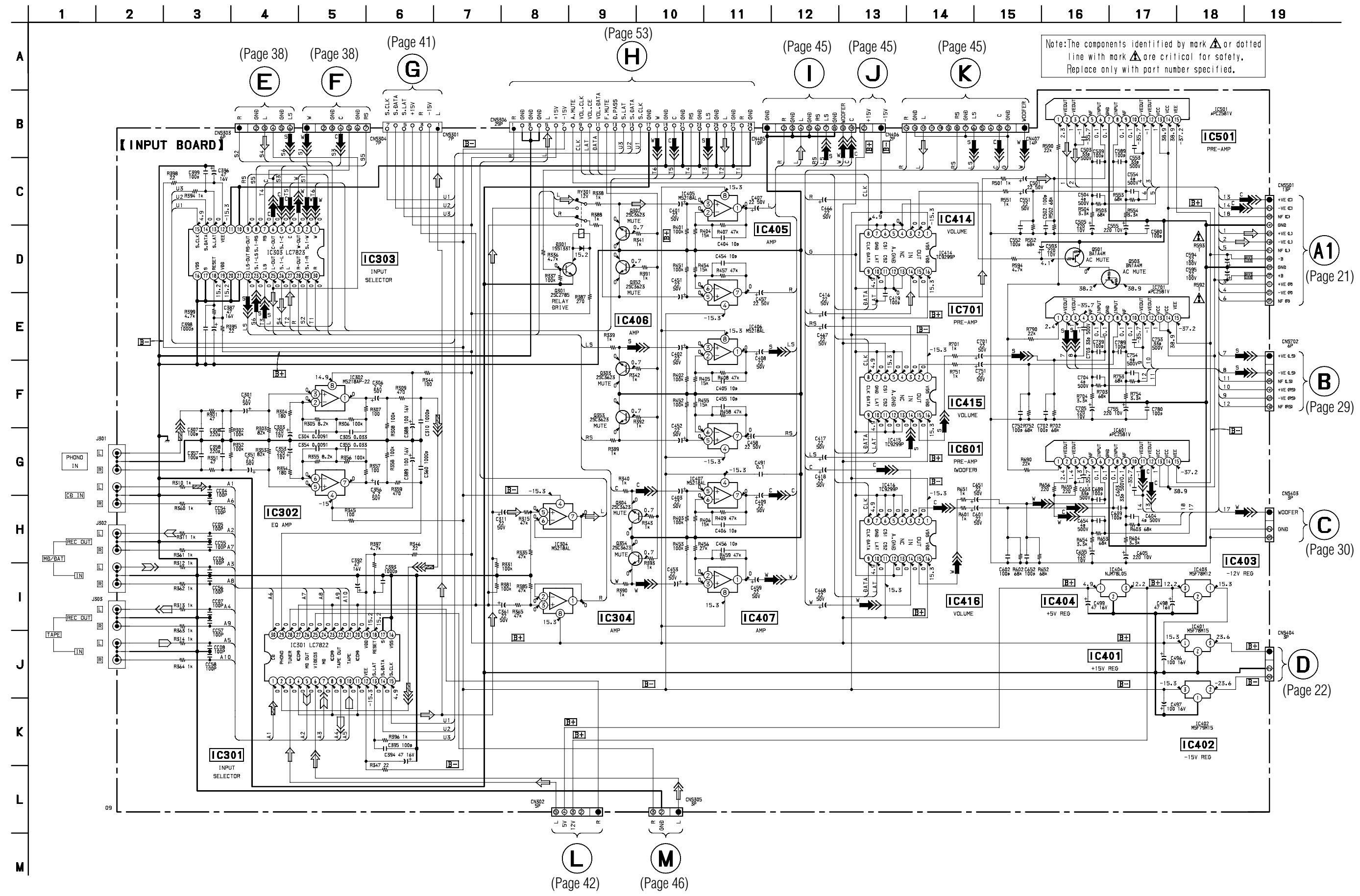
- TUNER SECTION -



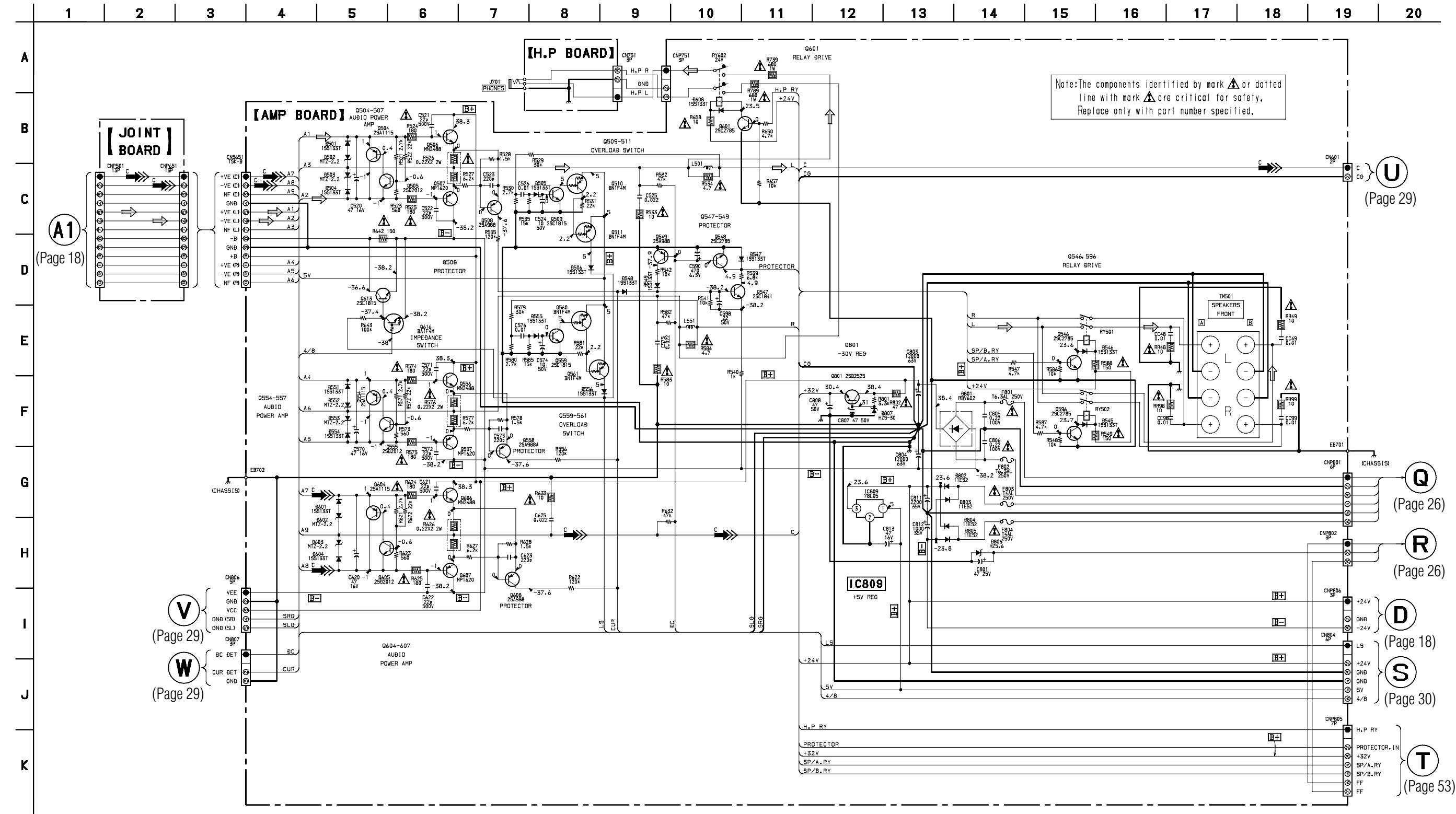
- DIGITAL SECTION -



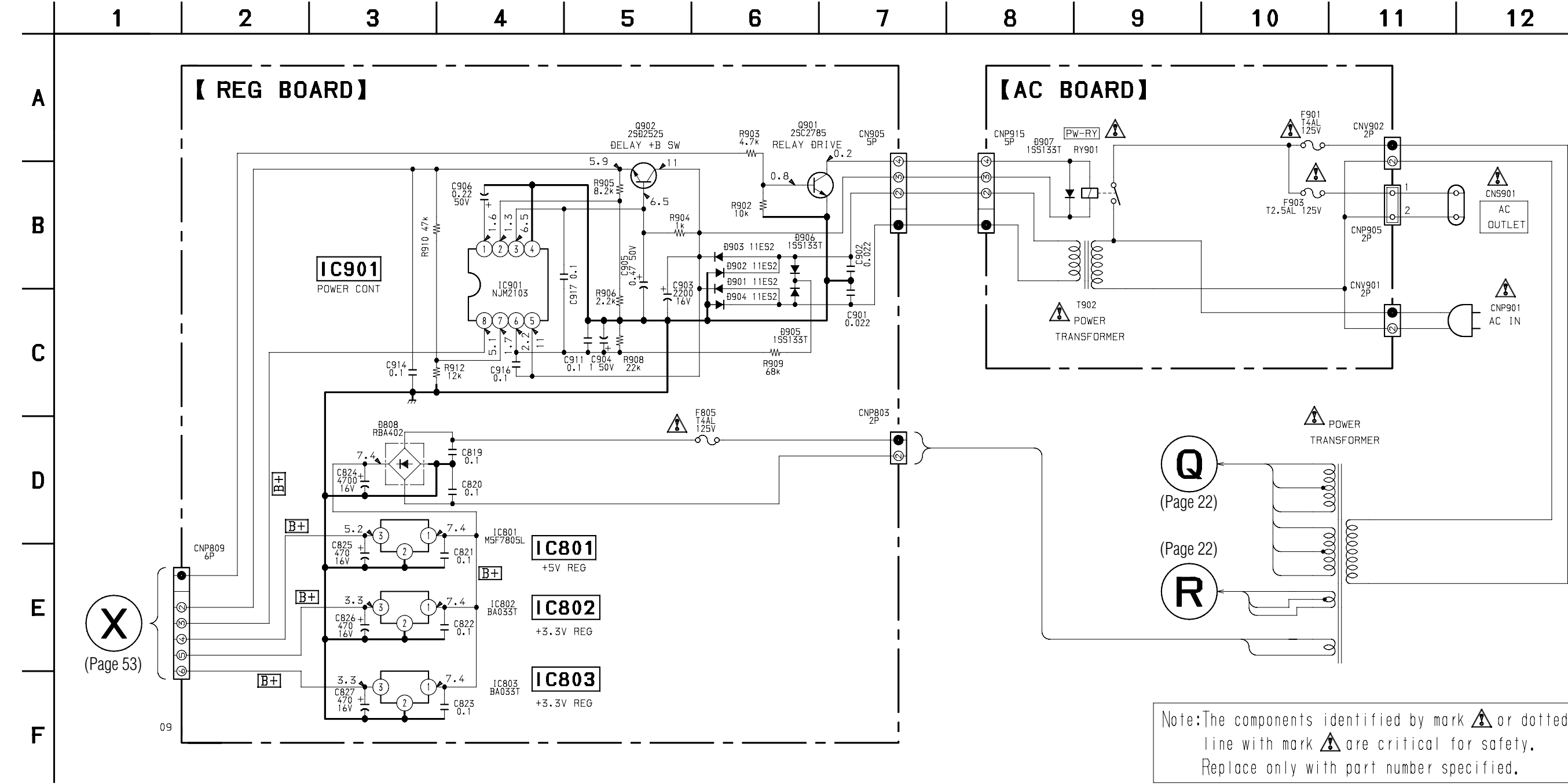
3-3. SCHEMATIC DIAGRAM – INPUT SECTION –
• See page 58 for IC Block Diagrams.



3-5. SCHEMATIC DIAGRAM – POWER AMP SECTION –



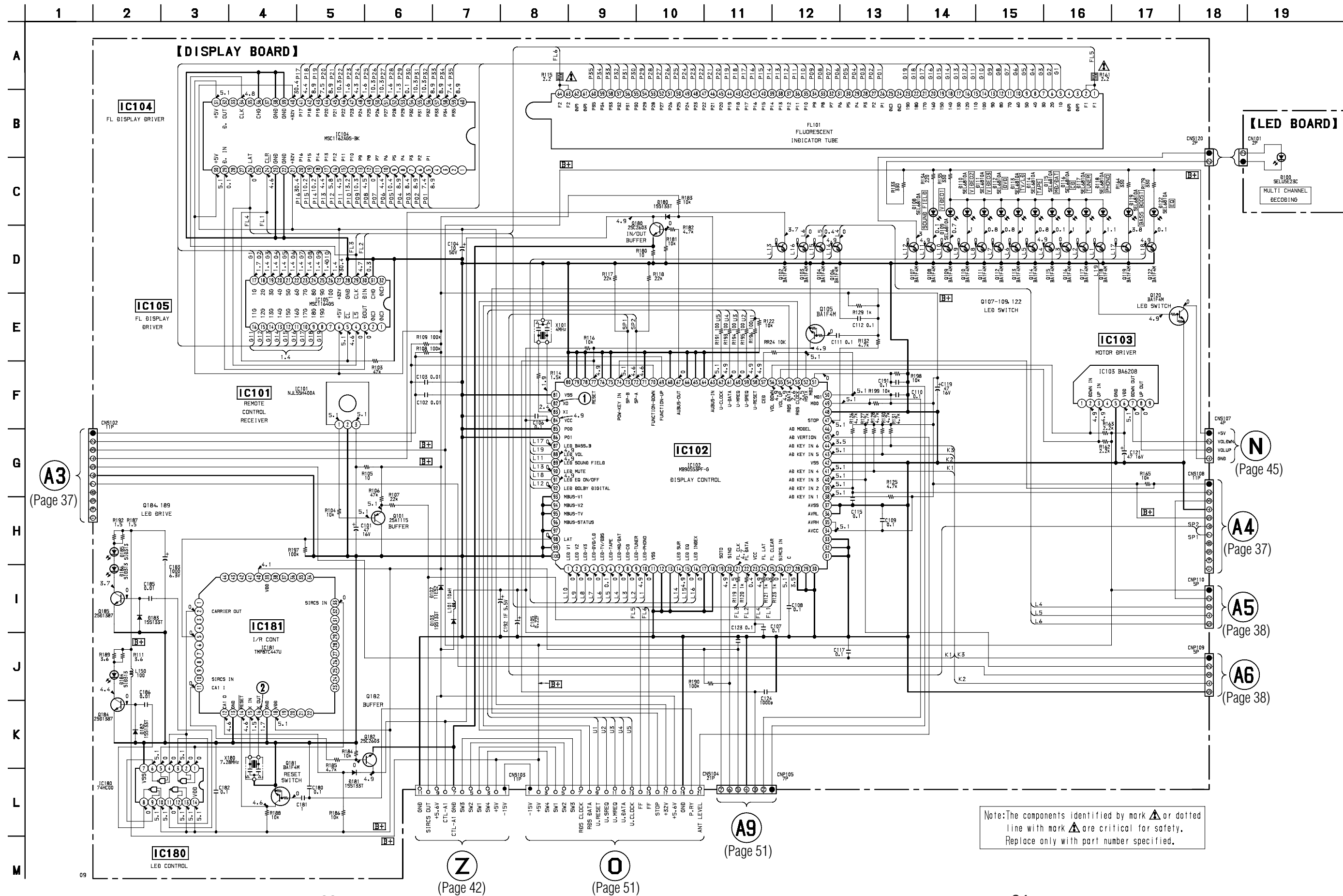
3-7. SCHEMATIC DIAGRAM – TRANS SECTION –
• See page 58 for IC Block Diagrams.



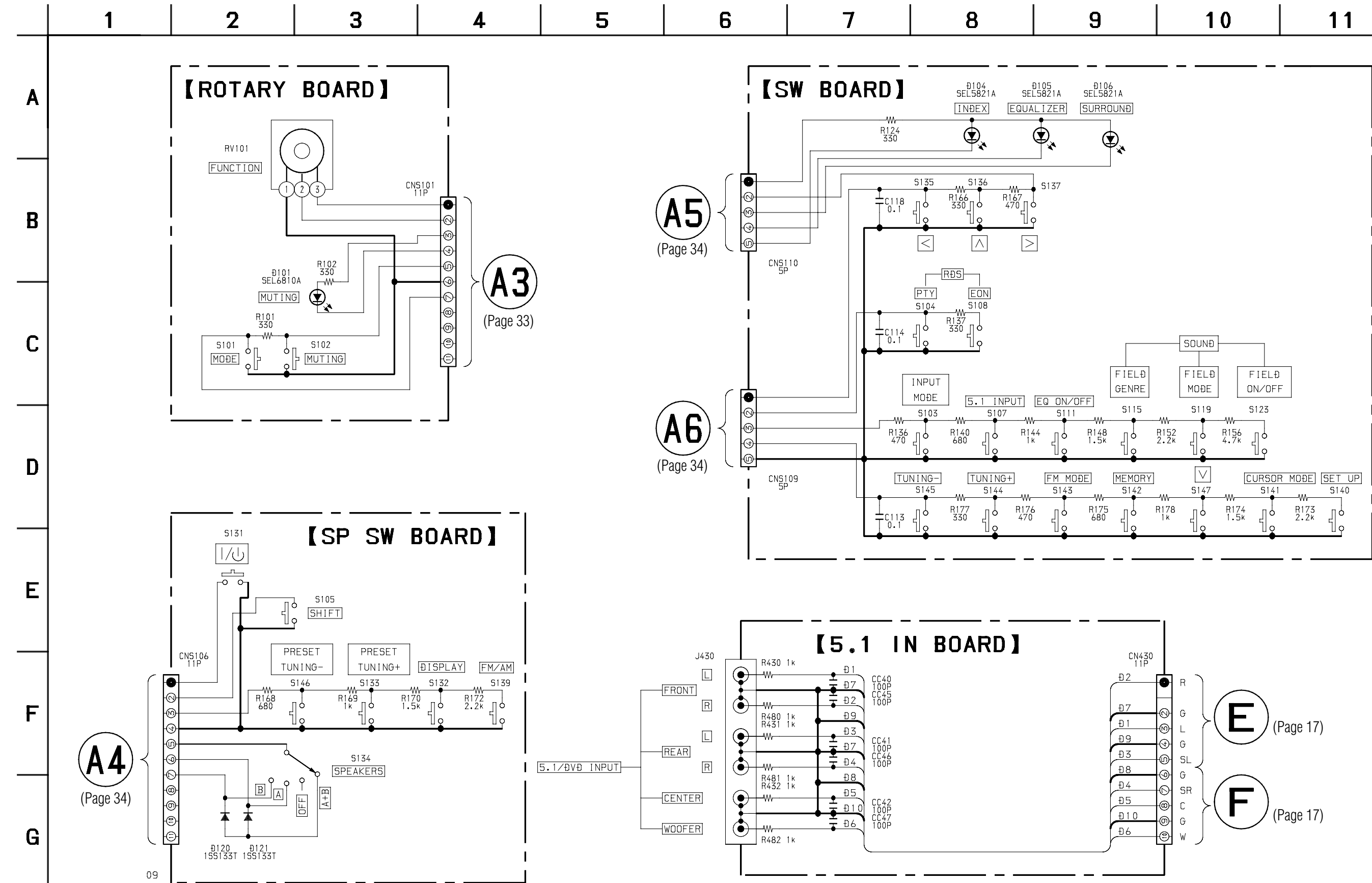


3-11. SCHEMATIC DIAGRAM – DISPLAY SECTION –

- See page 16 for Waveforms.
- See page 57 for IC Block Diagrams.
- See page 60 for IC Pin Functions.

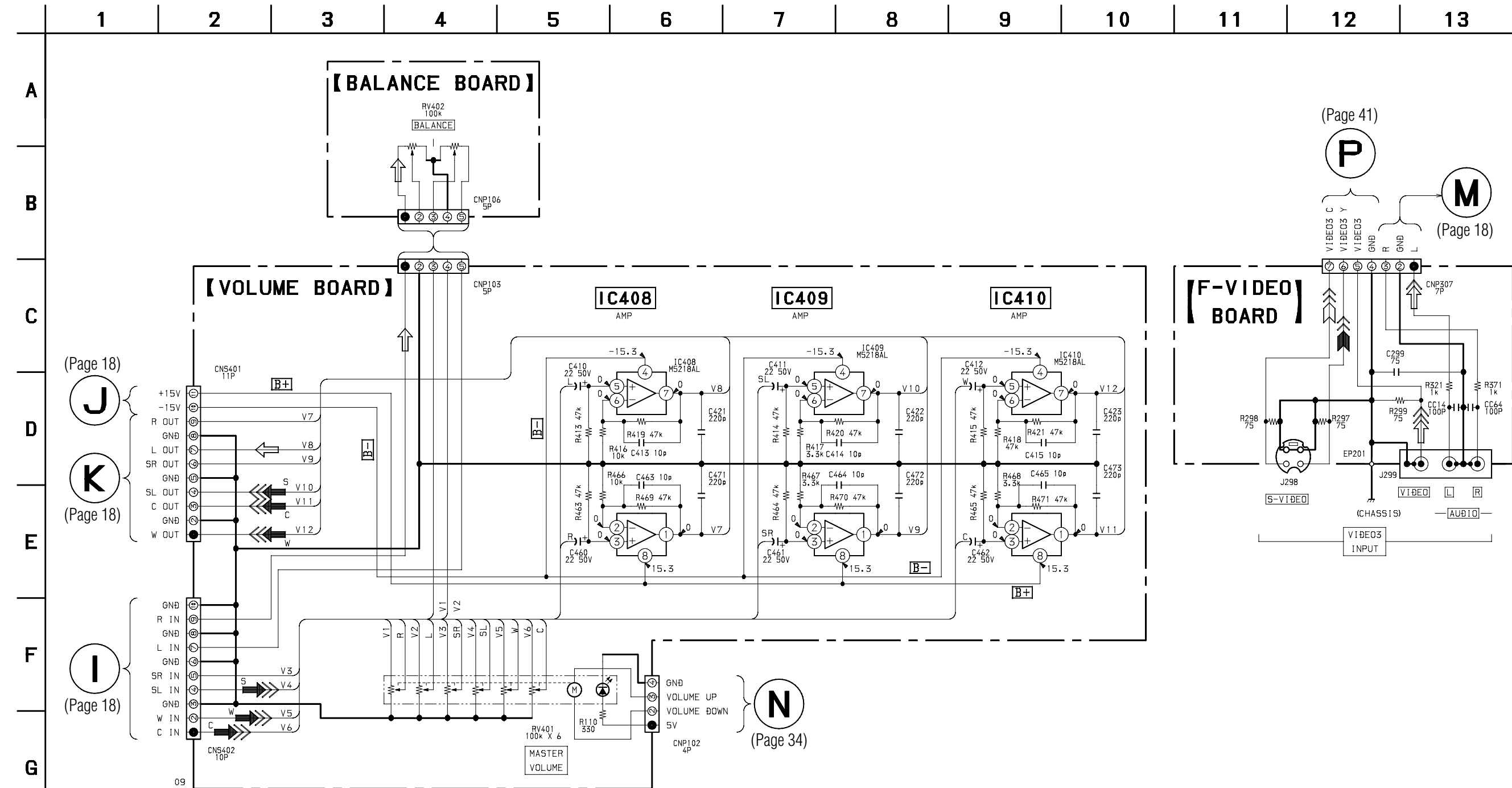


3-13. SCHEMATIC DIAGRAM – PANEL SECTION –



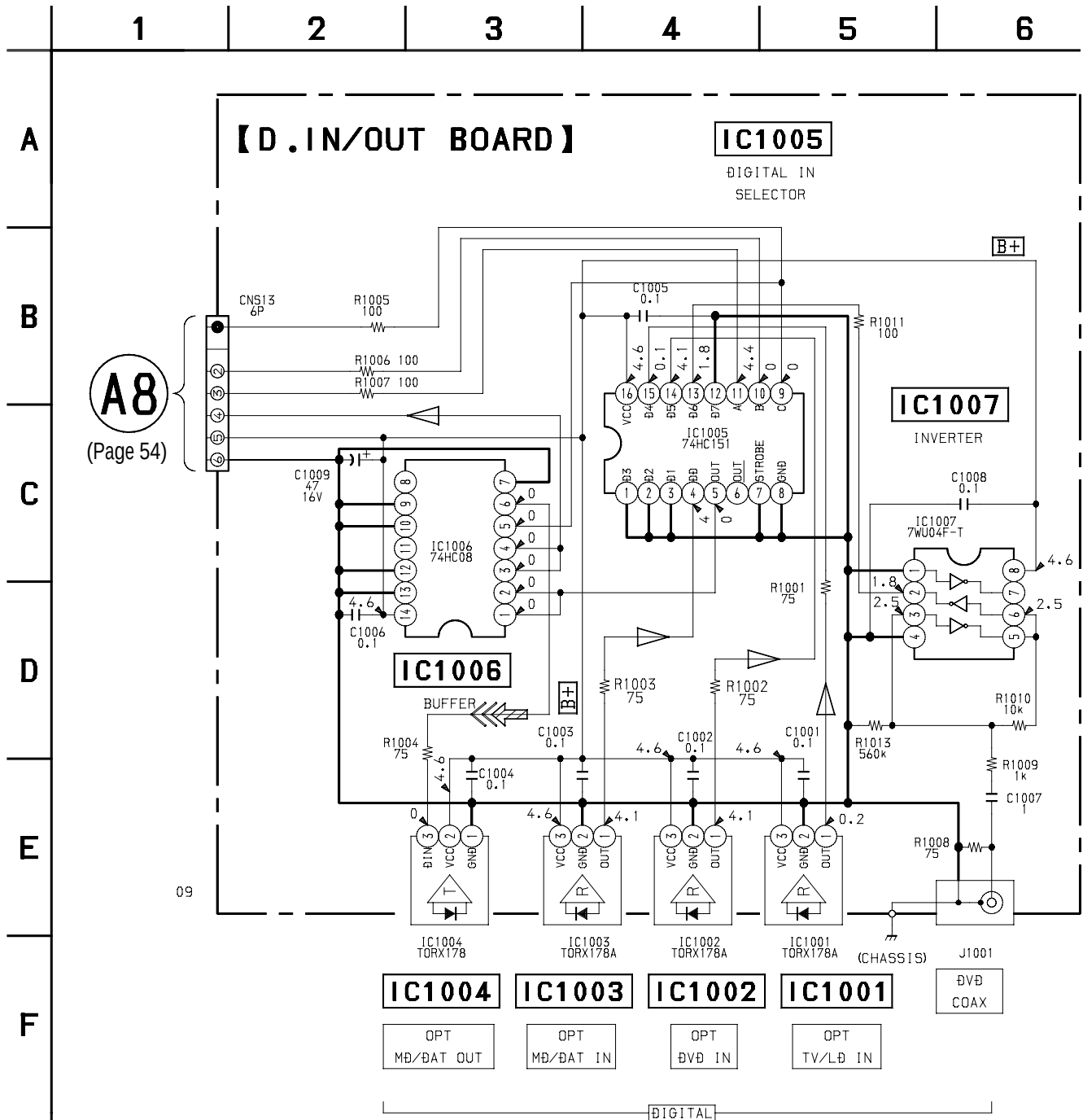


3-17. SCHEMATIC DIAGRAM – VOLUME SECTION –



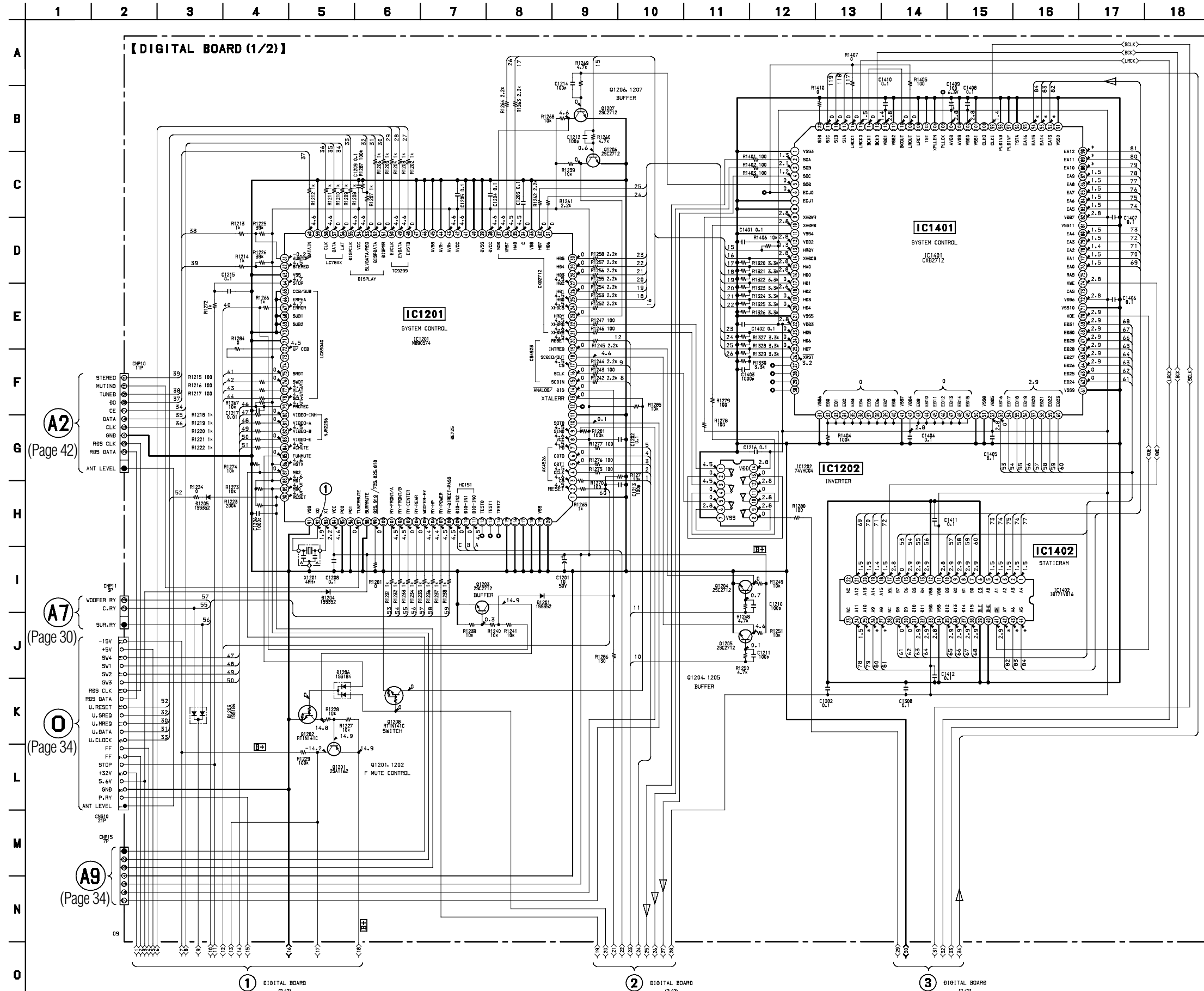
3-19. SCHEMATIC DIAGRAM – D IN/OUT SECTION –

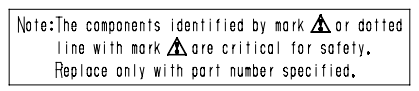
• See page 58 for IC Block Diagrams.



3-21. SCHEMATIC DIAGRAM – DIGITAL (1/2) SECTION –

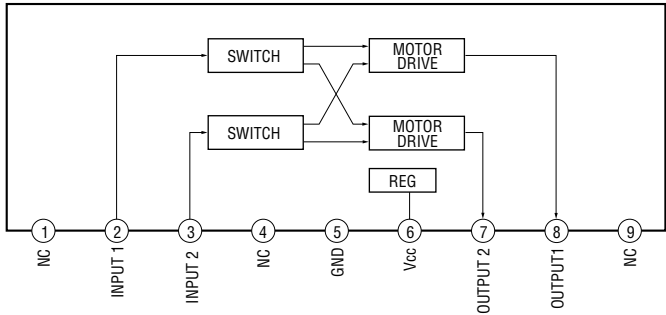
- See page 16 for Waveforms.
- See page 64, 67 for IC Pin Functions.
- See page 55 for Printed Wiring Board.



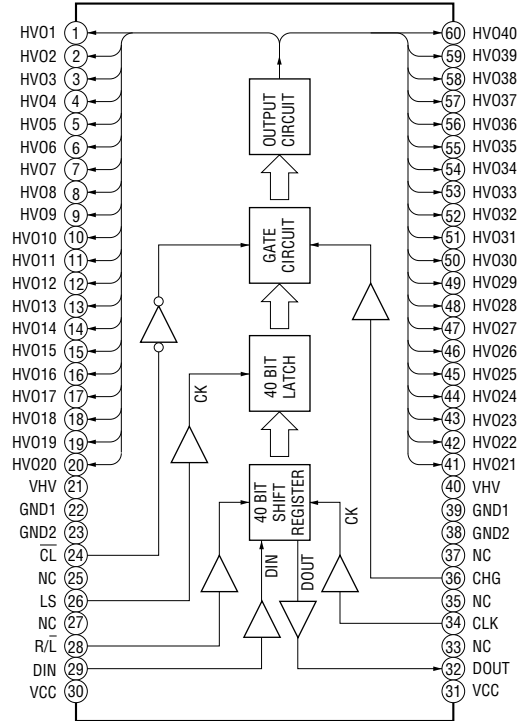


3-24. IC BLOCK DIAGRAMS

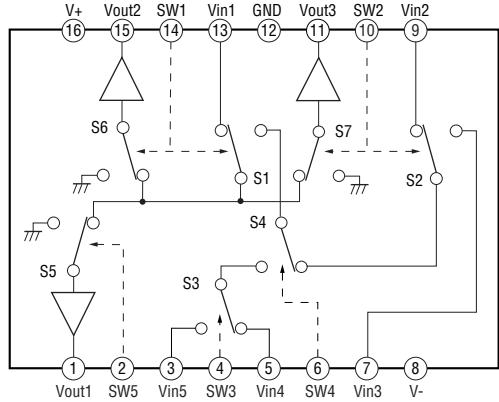
IC103 BA6208



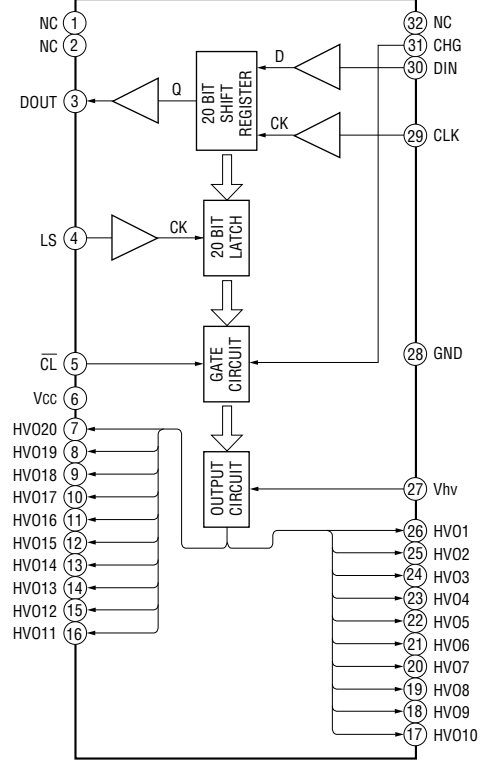
IC104 MSC1162AGS-BK



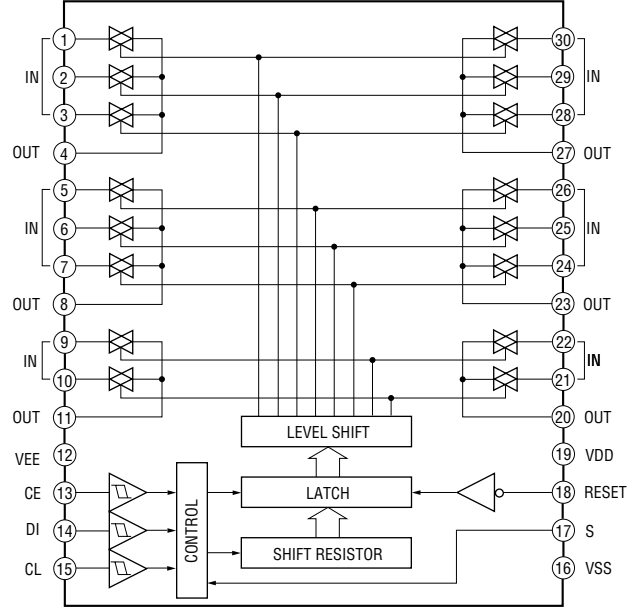
IC201 NJM2296D



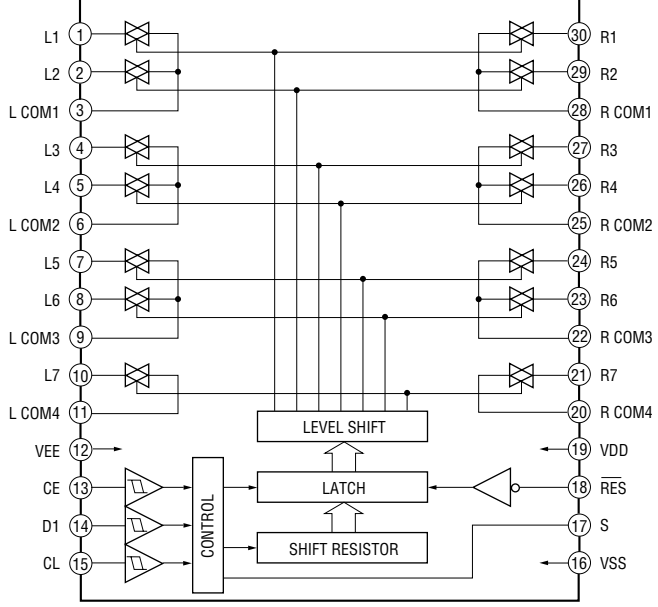
IC105 MSC1164GS-KR1



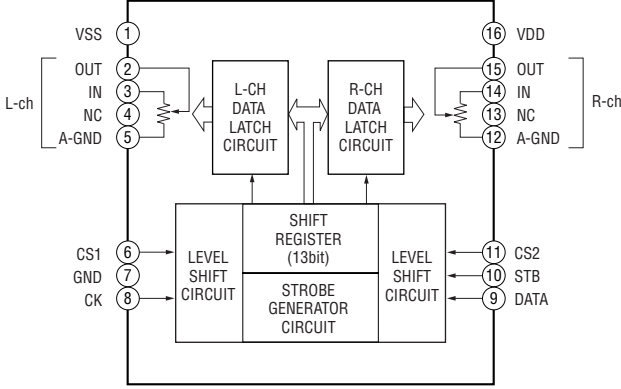
IC301 LC7822



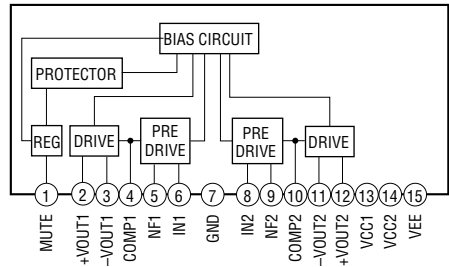
IC303 LC7823



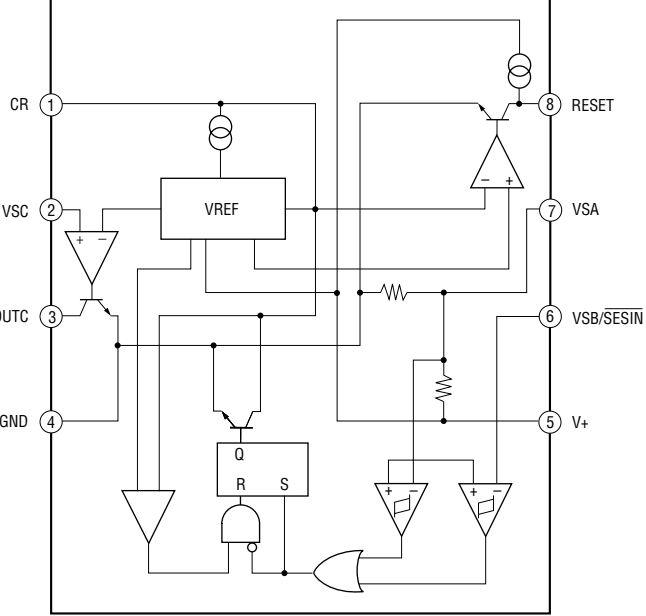
IC414 TC9299P



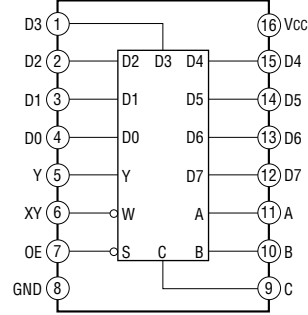
IC501 uPC2581V



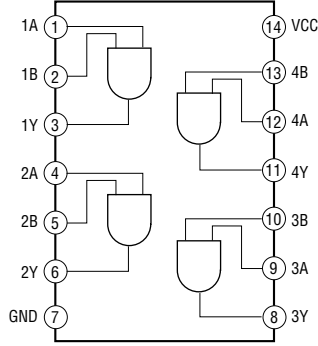
IC901 NJM2103D



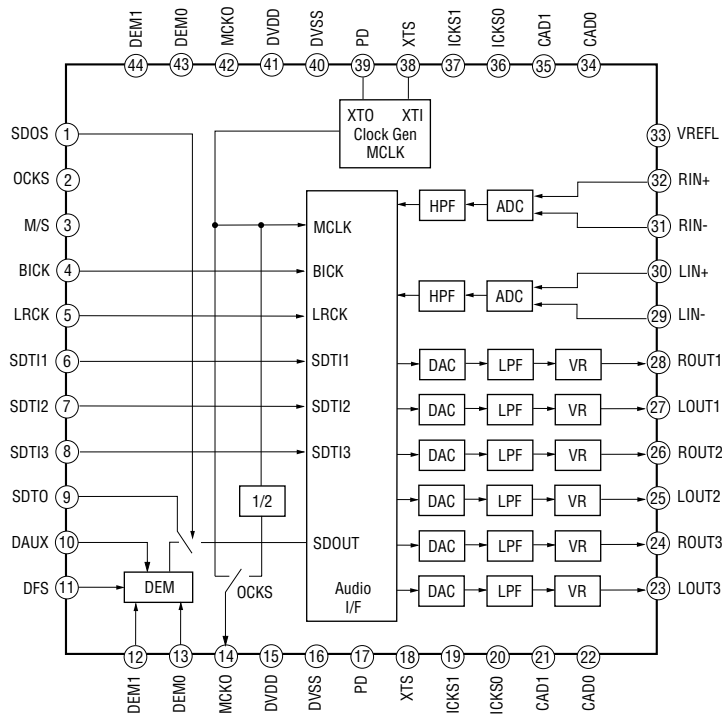
IC1005 TC74HC151AF (EL)



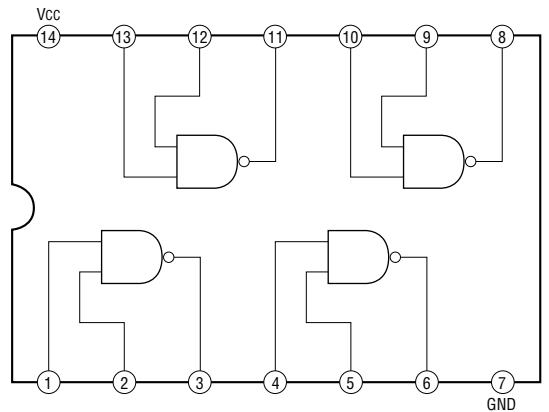
IC1006 TC74HC08AF (EL)



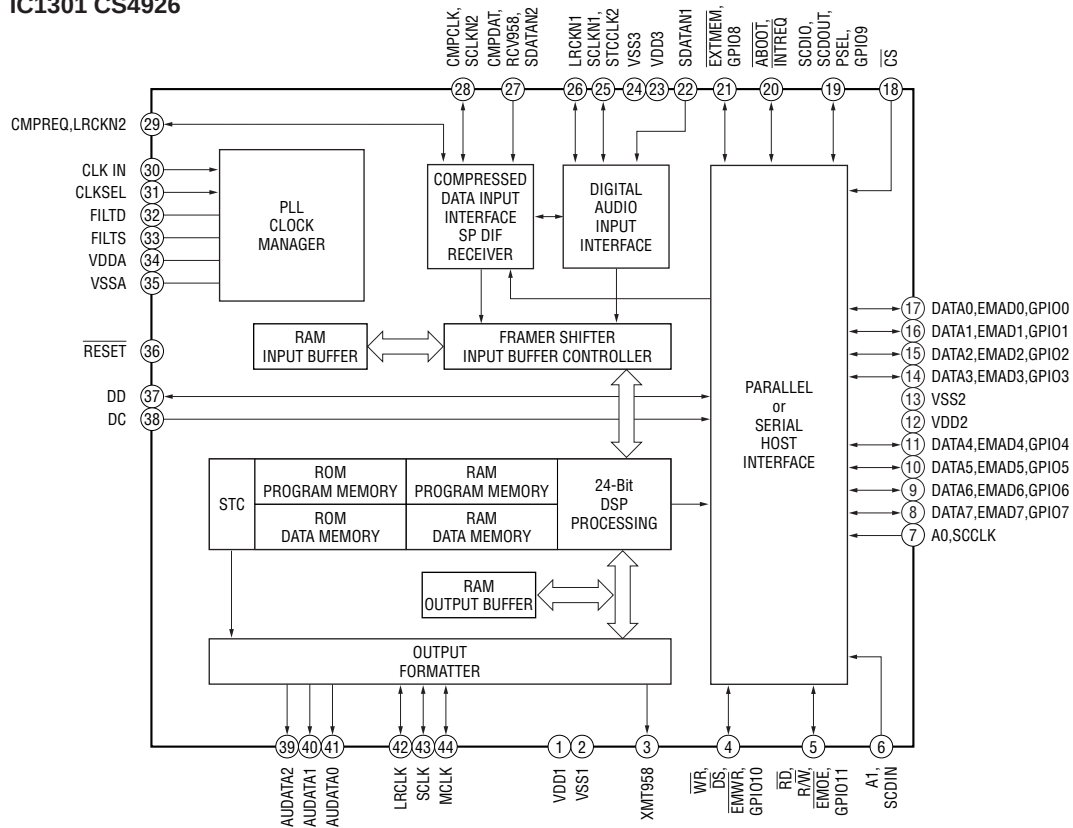
IC1103 AK4526



IC1108 MC74HC00AF



IC1301 CS4926



IC1403 TC74VHC393FT (EL)

