

STR-DE925/V919

SERVICE MANUAL

Ver 1.1 2003.06

US Model
Canadian Model
E Model
PX Model
STR-DE925
Chinese Model
STR-V919



Photo : STR-DE925

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 110 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output (USA model only).

Amplifier section

POWER OUTPUT

Stereo mode (8 ohms 20 Hz - 20 kHz, THD 0.09%)

110 W + 110 W

Surround mode (8 ohms at 1 kHz, THD 0.8%)

Front: 110 W/ch

Center^{a)}: 110 W

Rear^{a)}: 110 W/ch

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

Dynamic power output

165 W + 165 W, 8 ohms

230 W + 230 W, 4 ohms

Harmonic distortion at rated output

Less than 0.09% (with sound field, tone, and bass booster bypassed)

Frequency response

PHONO: RIAA

equalization curve

± 0.5 dB

CD, TAPE, MD/DAT, TAPE/MD, DVD/LD, TV/DBS, 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/LD, TAPE, MD/DAT, TAPE/MD, TV/DBS,

VIDEO 1, 2, and VIDEO 3 :

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/LD (coaxial):

Sensitivity: -

Impedance: 75 ohms

S/N: 100 dB (A, 20 kHz LPF)

DVD/LD, TV/DBS, MD/DAT (Optical):

Sensitivity: -

Impedance: -

S/N: 100 dB (A, 20 kHz LPF)

Outputs

TAPE, MD/DAT, TAPE/MD, (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

— Continued on next page —

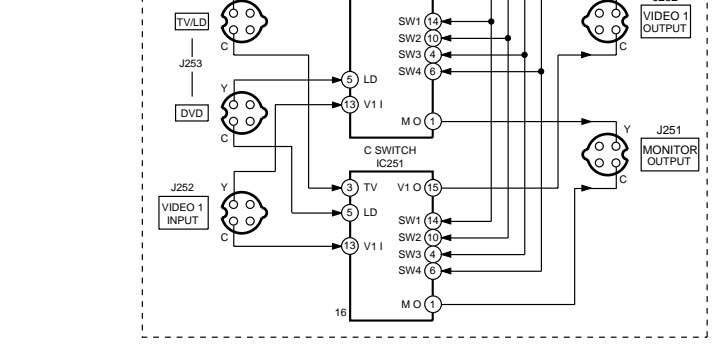
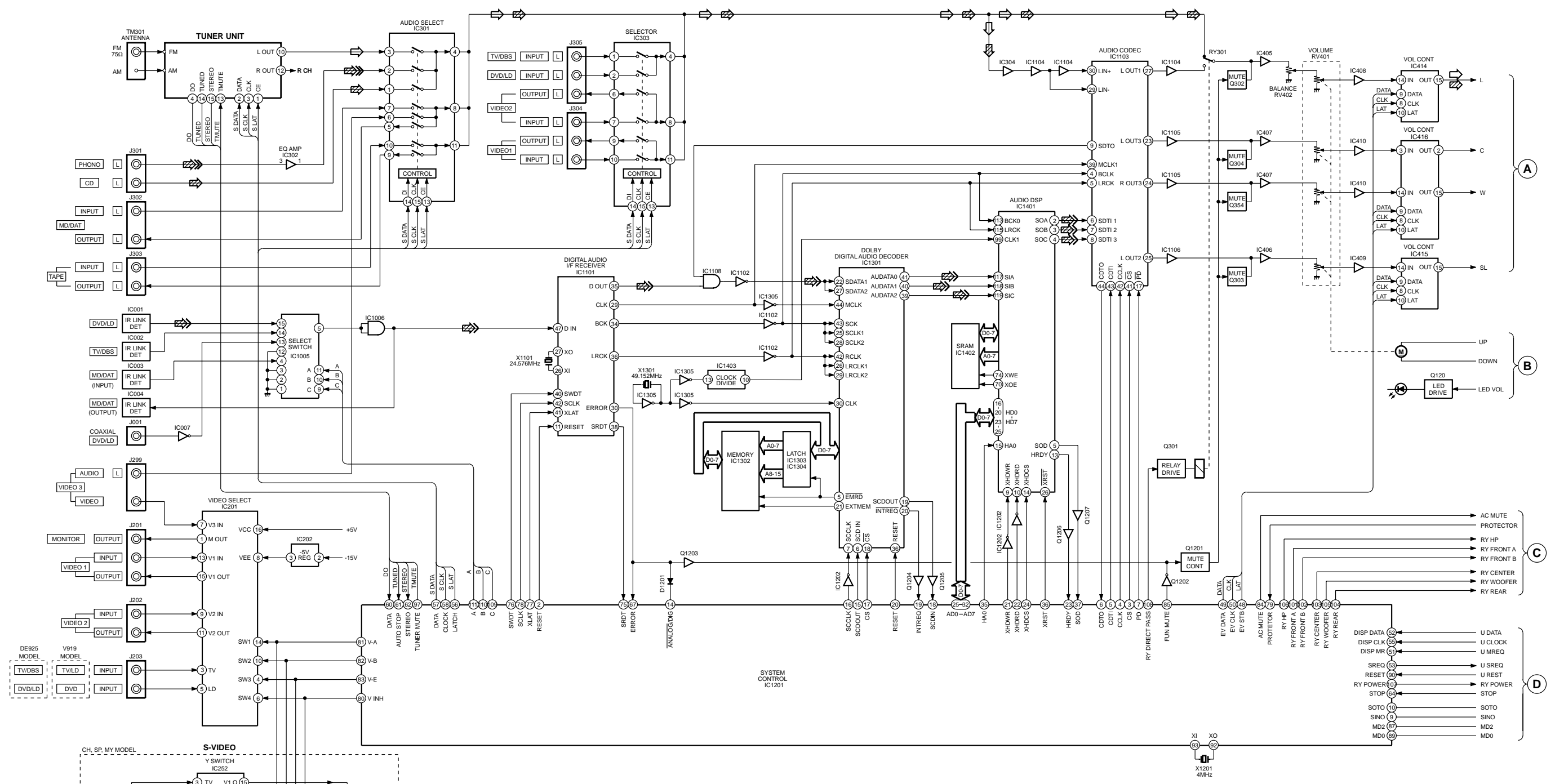
FM STEREO FM-AM RECORDER

9-922-896-12
2003F16-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

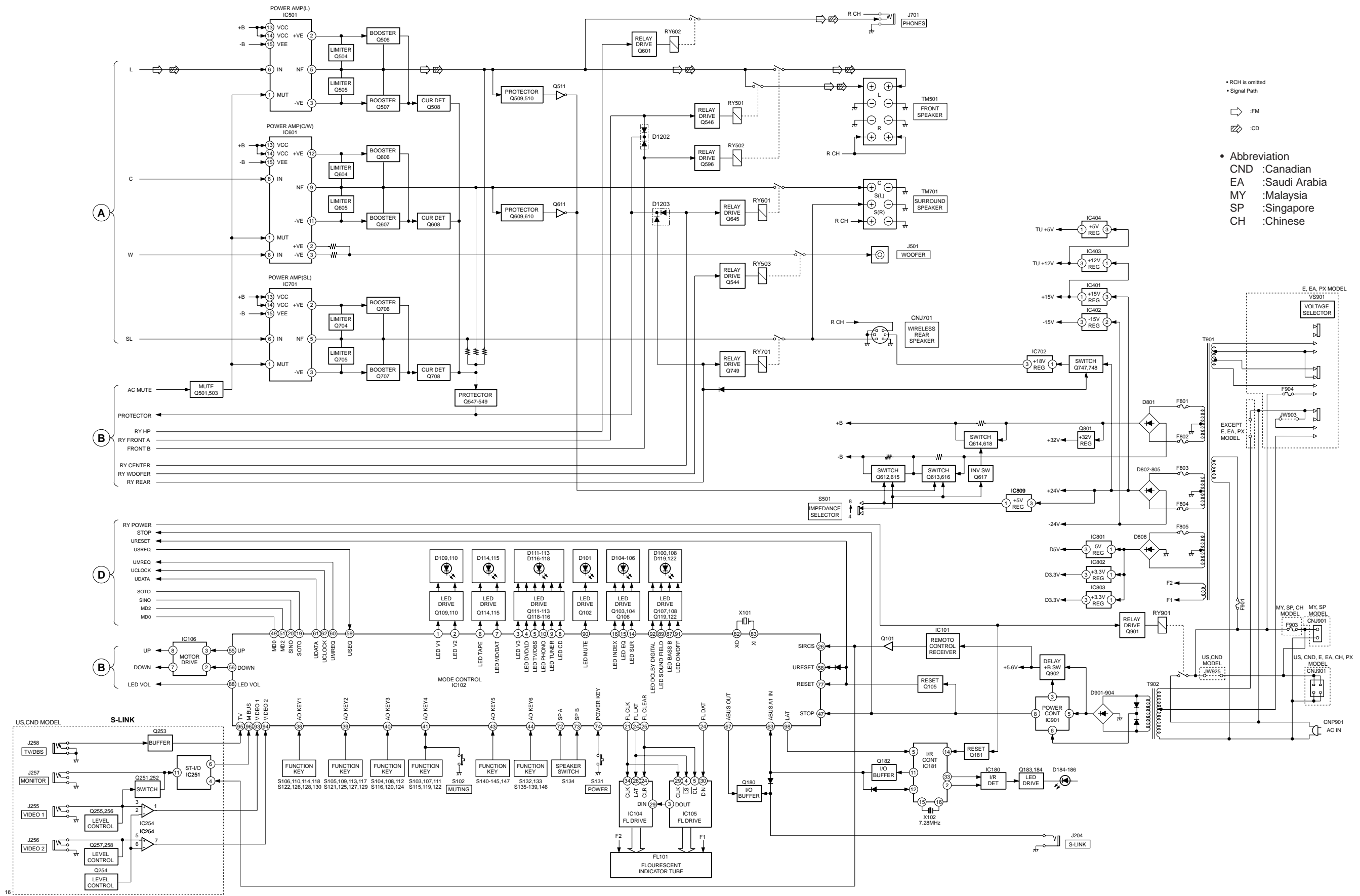
SONY®

3-2. BLOCK DIAGRAM – MAIN SECTION –



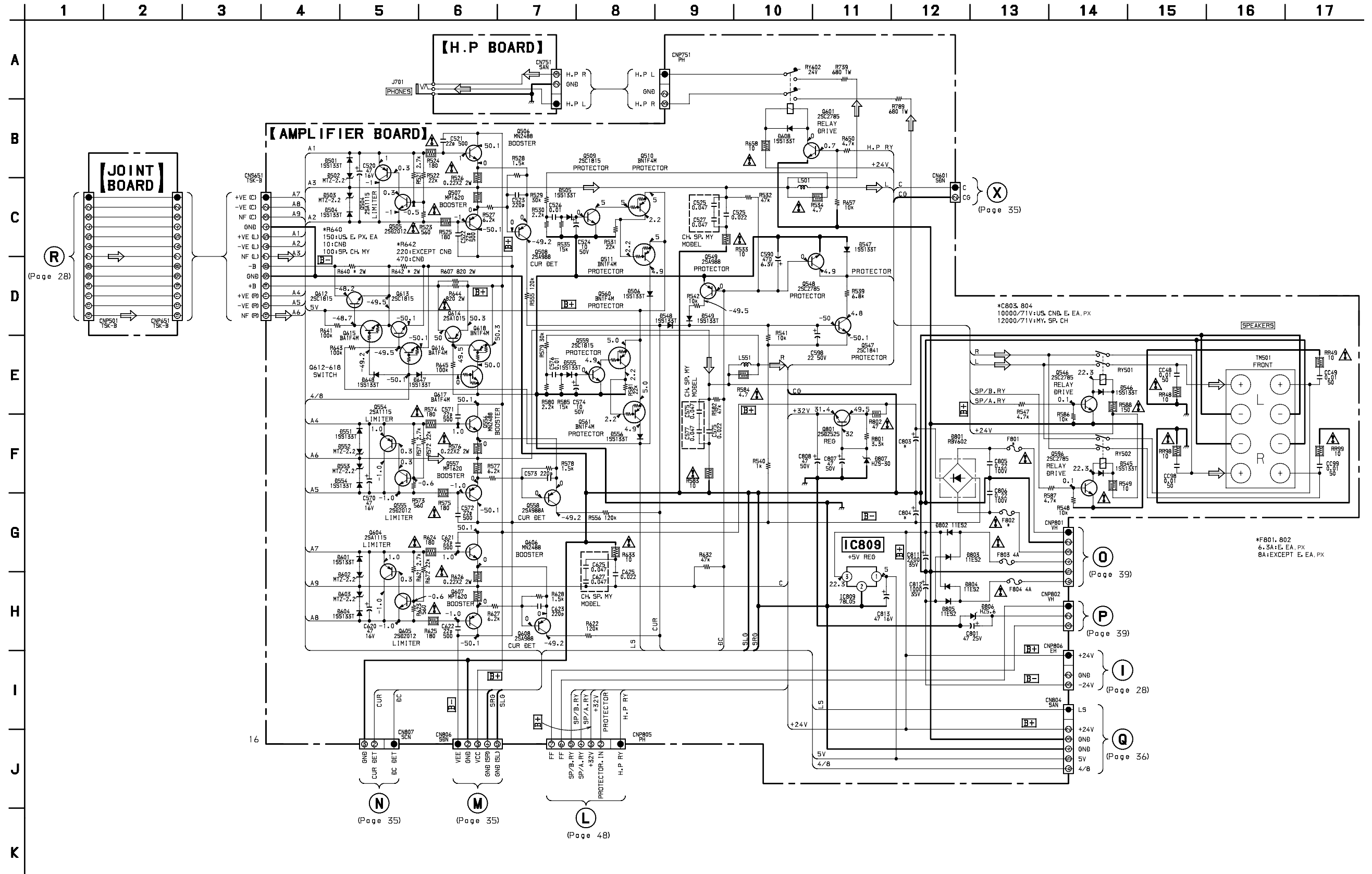
- RCH is omitted
 - Signal Path
 - ◀ : FM
 - ▶ : PHONO
 - ◀▶ : CD
 - ◀▶▶ : DIGITAL
-
- Abbreviation
 - CND :Canadian
 - EA :Saudi Arabia
 - MY :Malaysia
 - SP :Singapore
 - CH :Chinese

3-3. BLOCK DIAGRAM – POWER SECTION –

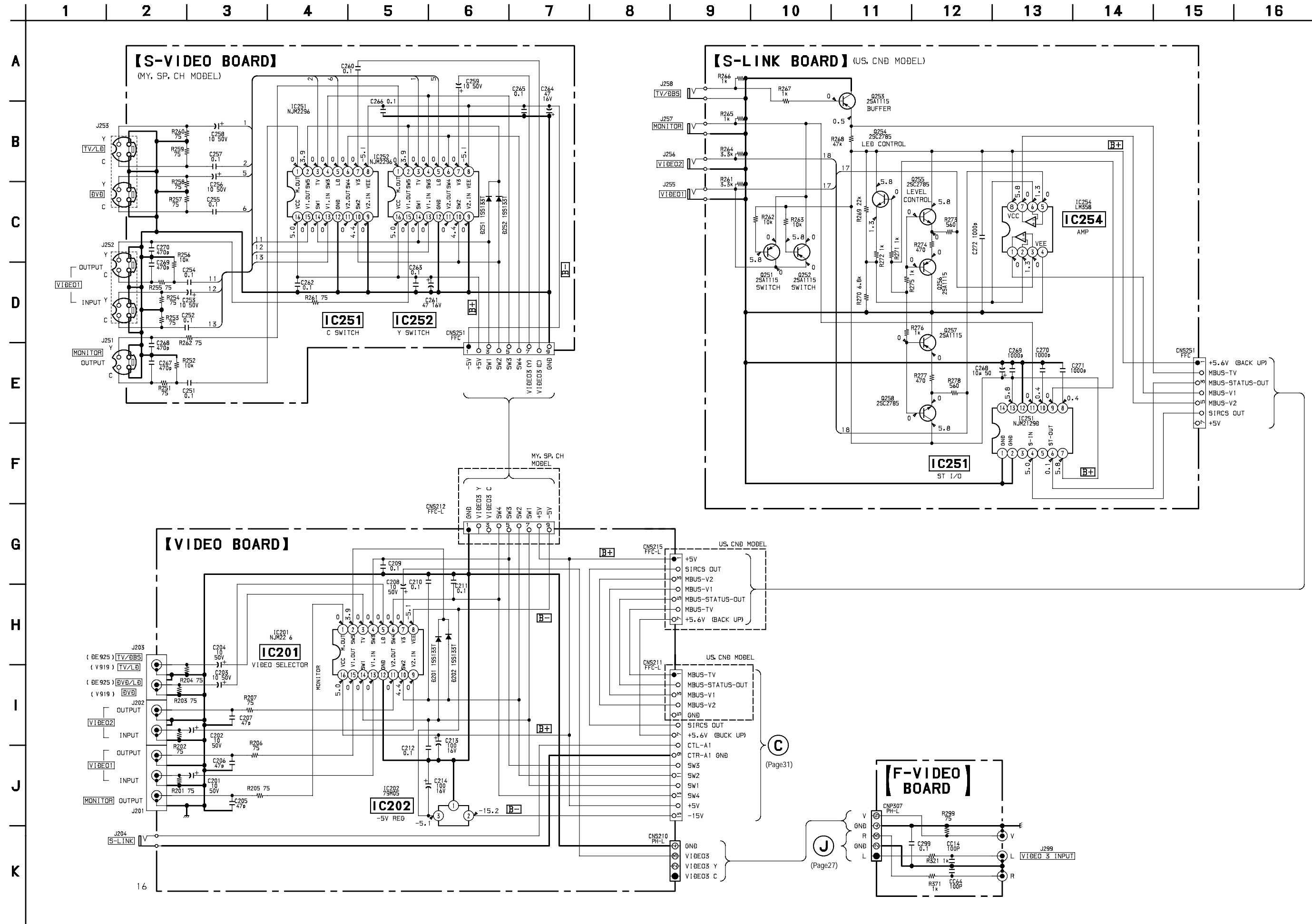


- RCH is omitted
- Signal Path
- ◻ :FM
- ◻ :CD
- Abbreviation
 - CND :Canadian
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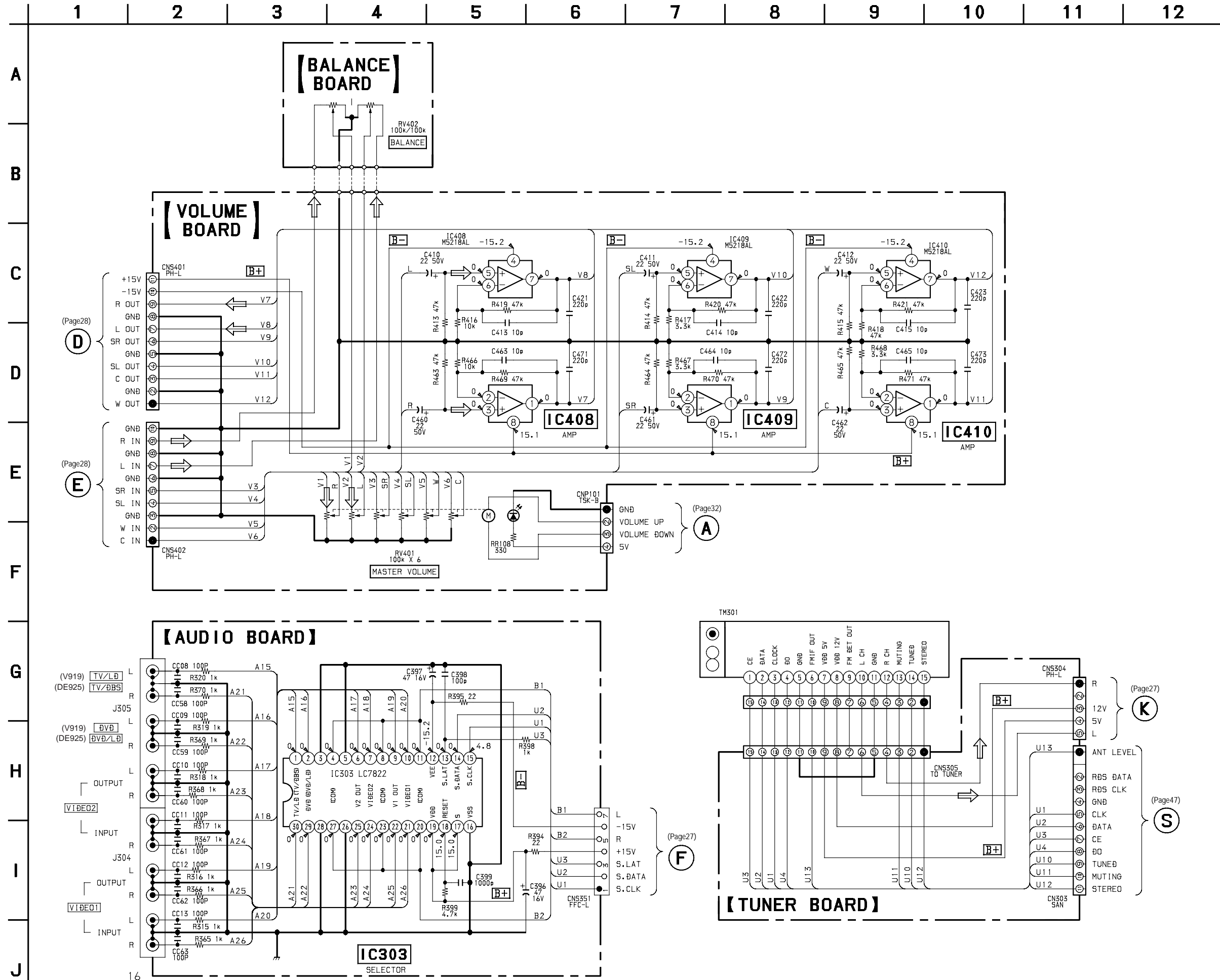
3-5. SCHEMATIC DIAGRAM — AMP SECTION —



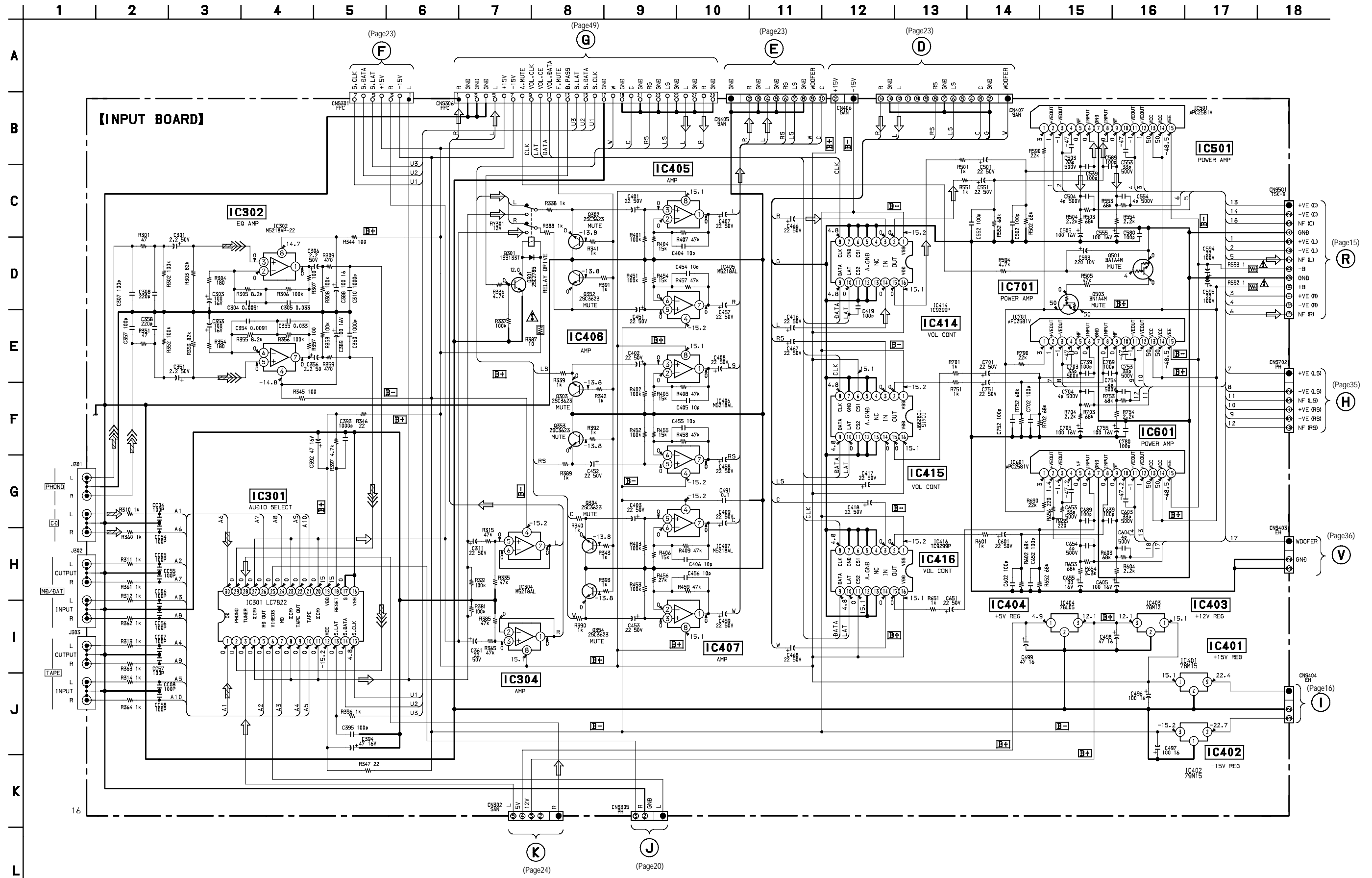
3-7. SCHEMATIC DIAGRAM — VIDEO SECTION — • See pages 61 for IC Block Diagrams.



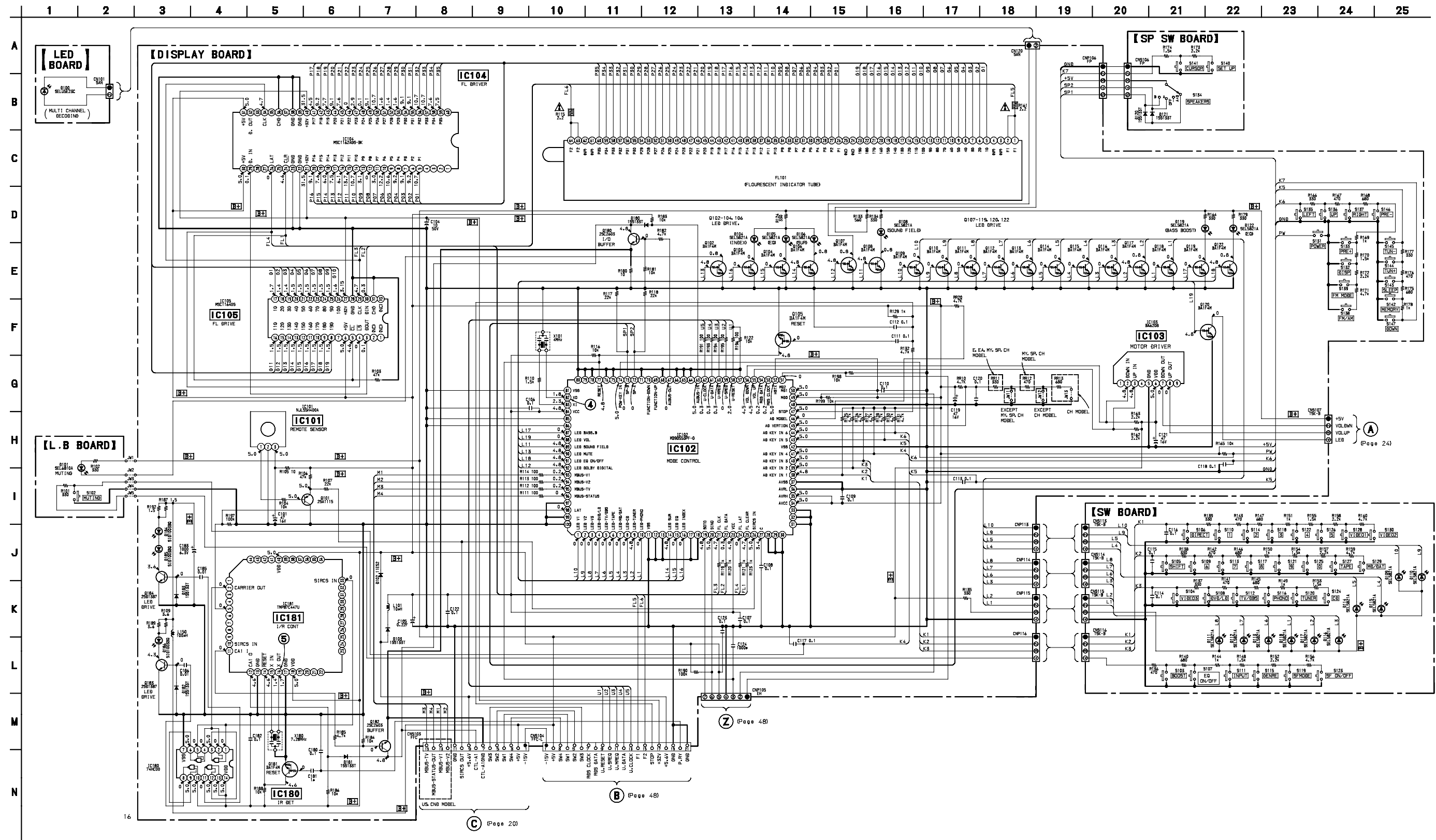
3-9. SCHEMATIC DIAGRAM — AUDIO SECTION —



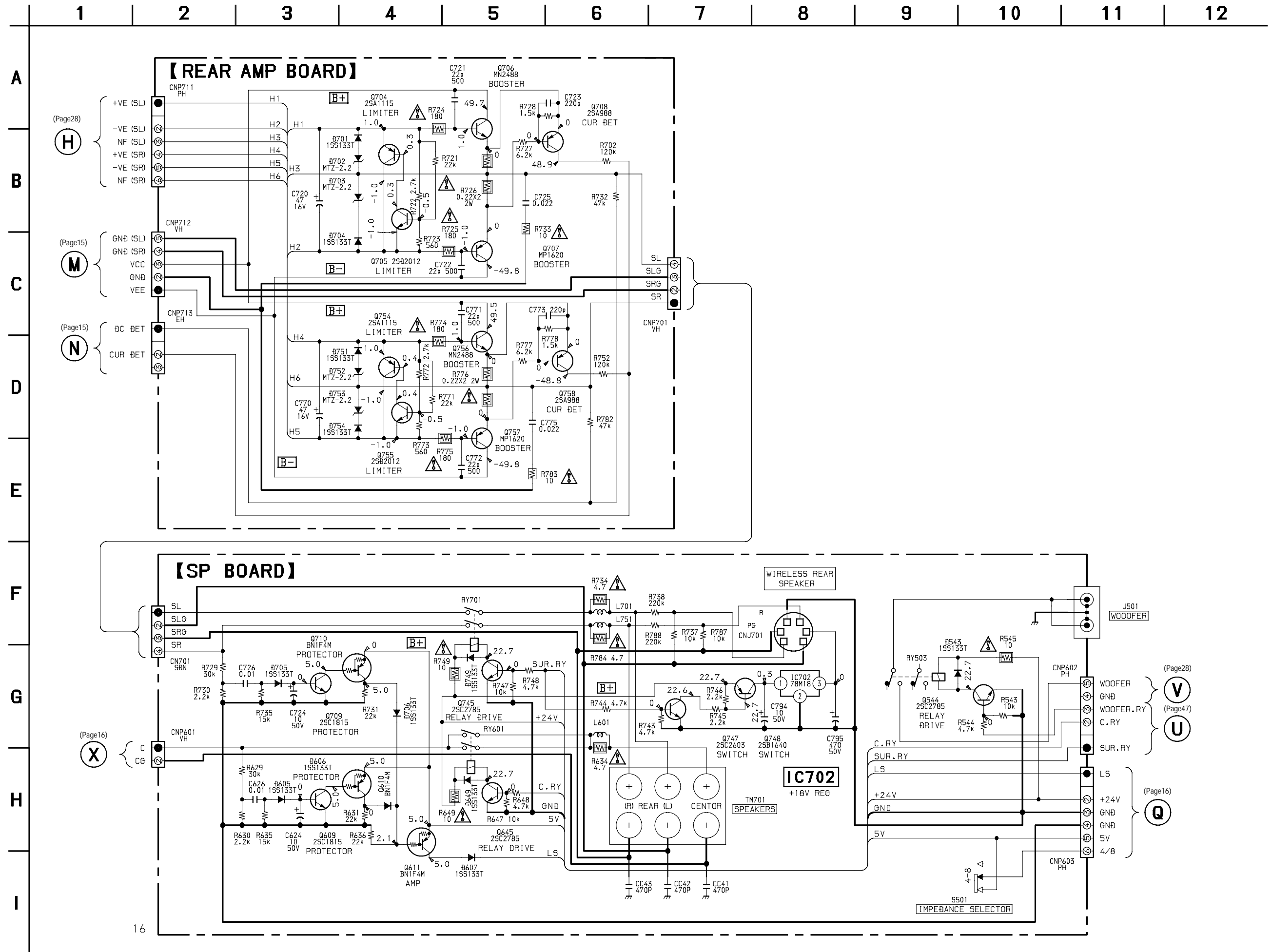
3-11. SCHEMATIC DIAGRAM — INPUT SECTION — • See page 61 for IC Block Diagrams.



3-13. SCHEMATIC DIAGRAM — DISPLAY SECTION — • See page 8 for Waveform. • See page 51 for IC Pin Function Description. • See page 61 for IC Block Diagrams.

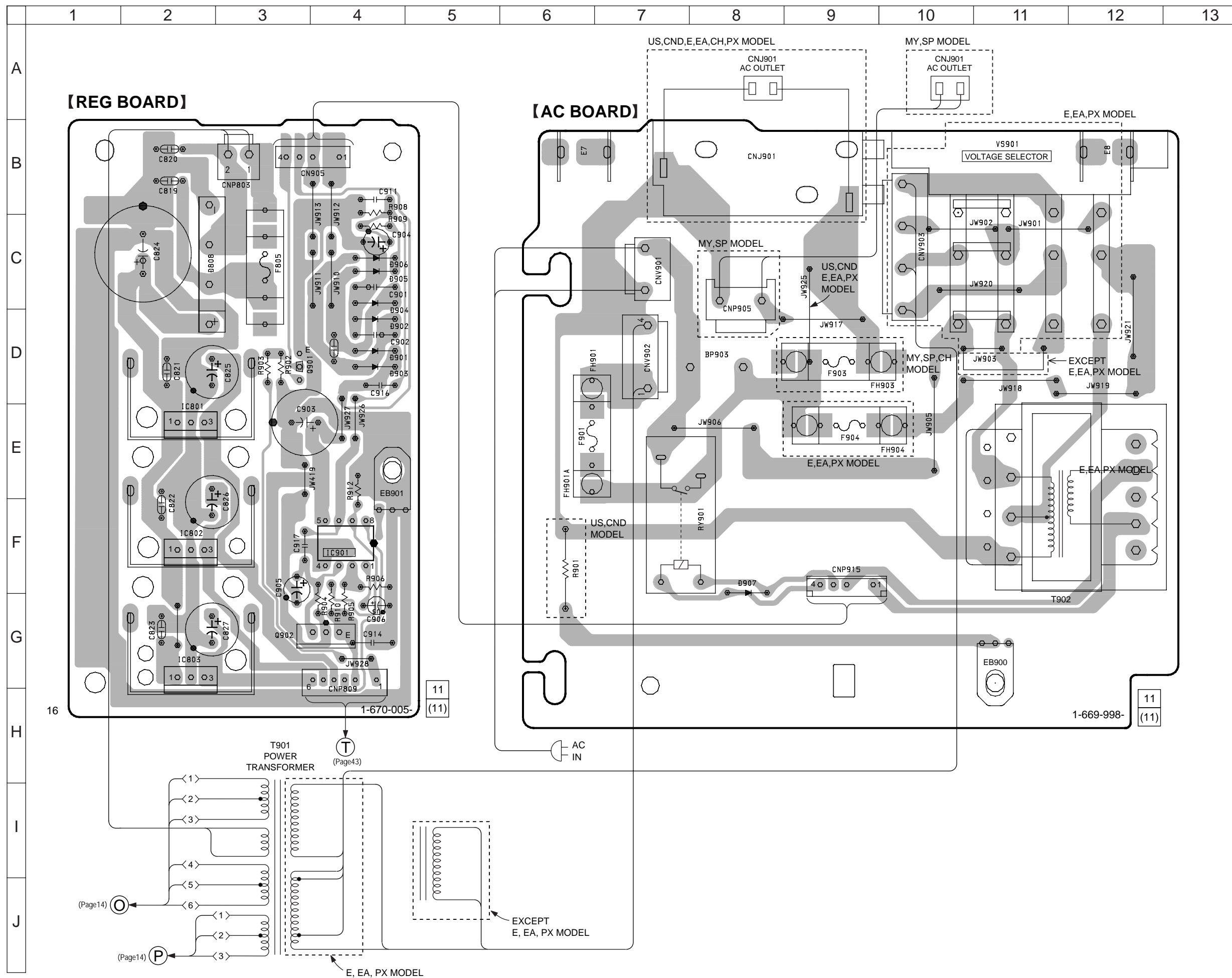


3-15. SCHEMATIC DIAGRAM — SPEAKER SECTION —

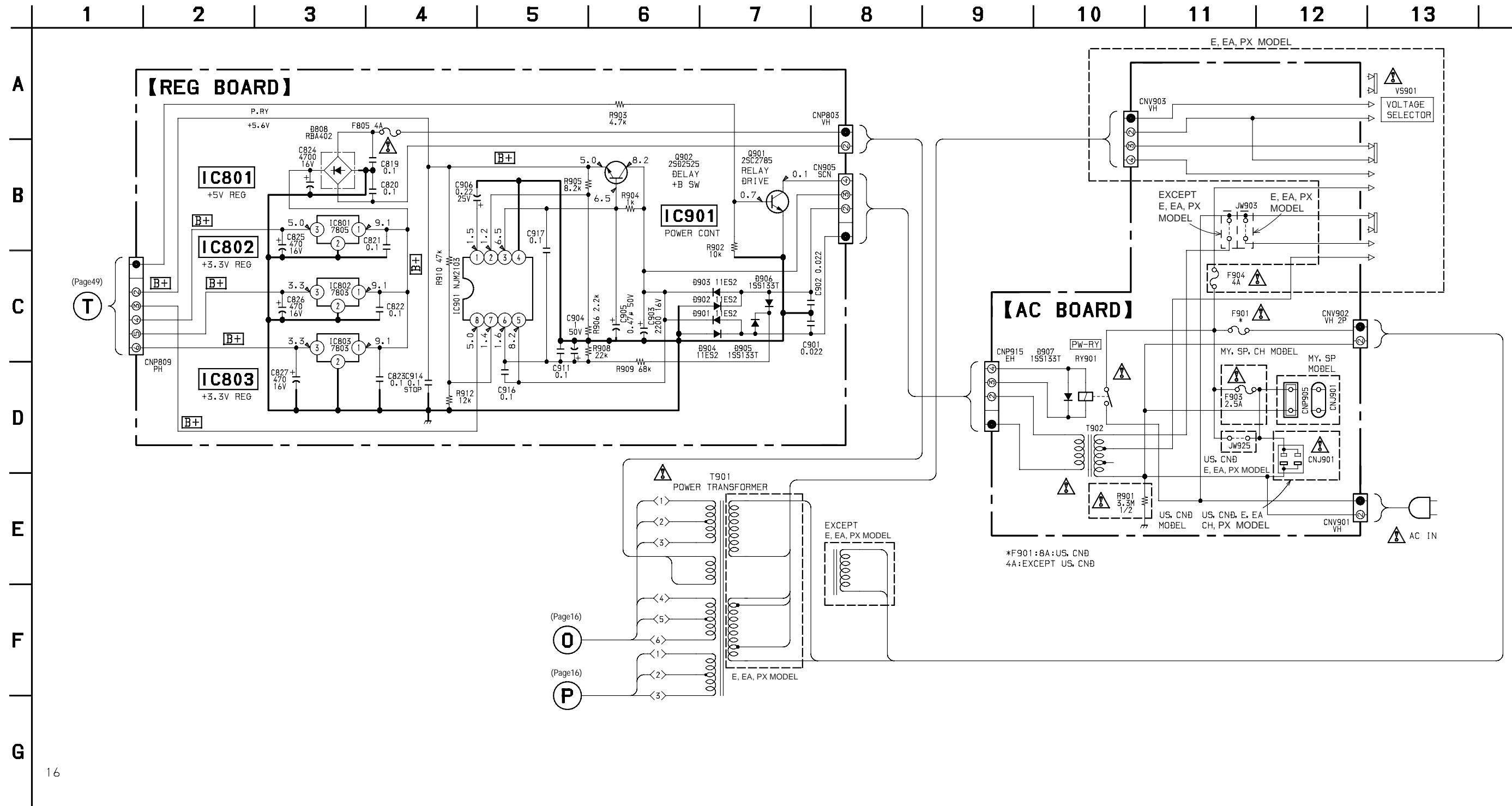


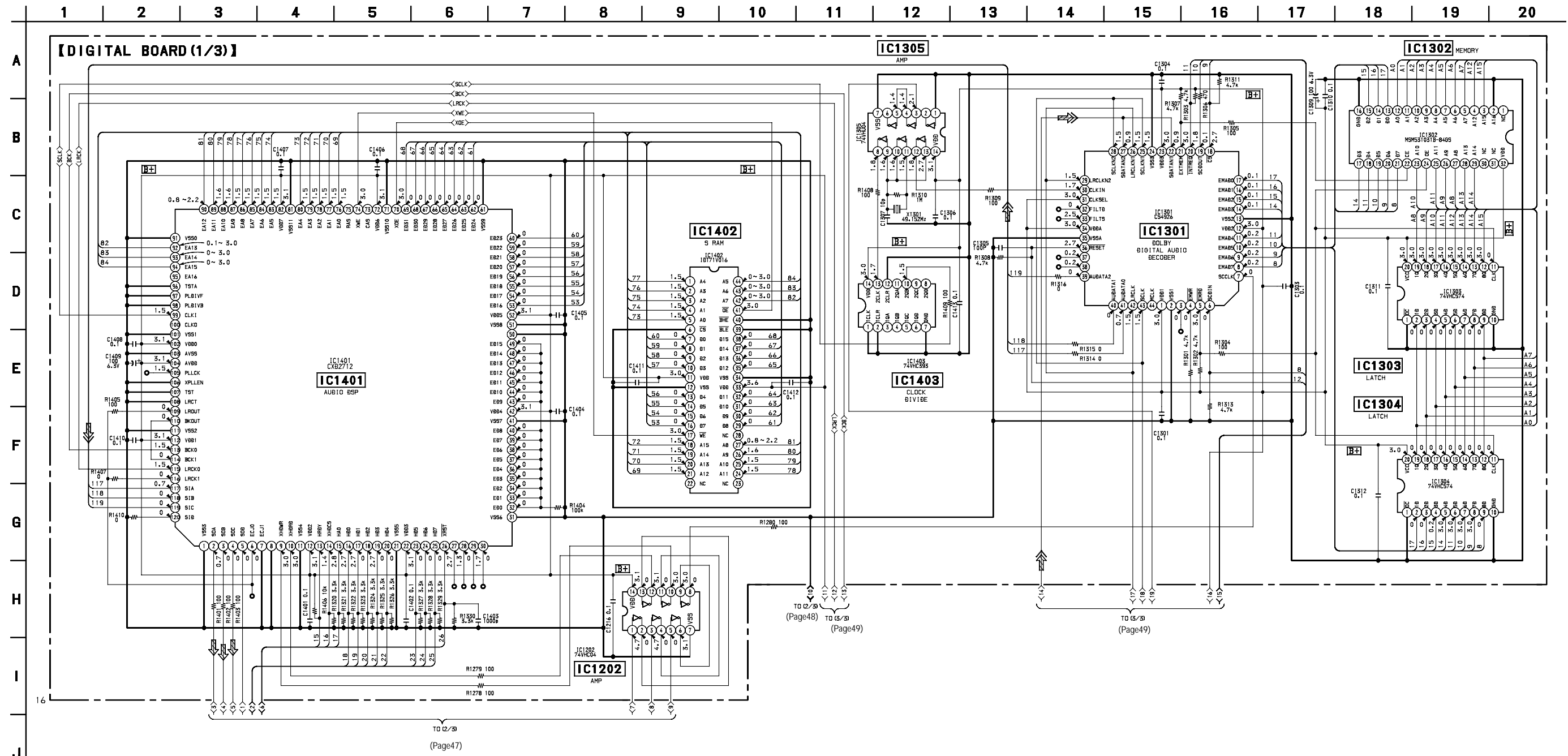
• Semiconductor Location

Ref. No.	Location
D808	C-3
D901	D-4
D902	D-4
D903	D-4
D904	C-4
D905	C-4
D906	C-4
D907	G-8
IC801	E-2
IC802	F-3
IC803	G-3
IC901	F-4
Q901	D-4
Q902	G-4



3-17. SCHEMATIC DIAGRAM — POWER SECTION — • See page 61 for IC Block Diagrams.





3-21. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/3) — • See page 51 for IC Pin Functions. • See page 8 for Waveforms.

