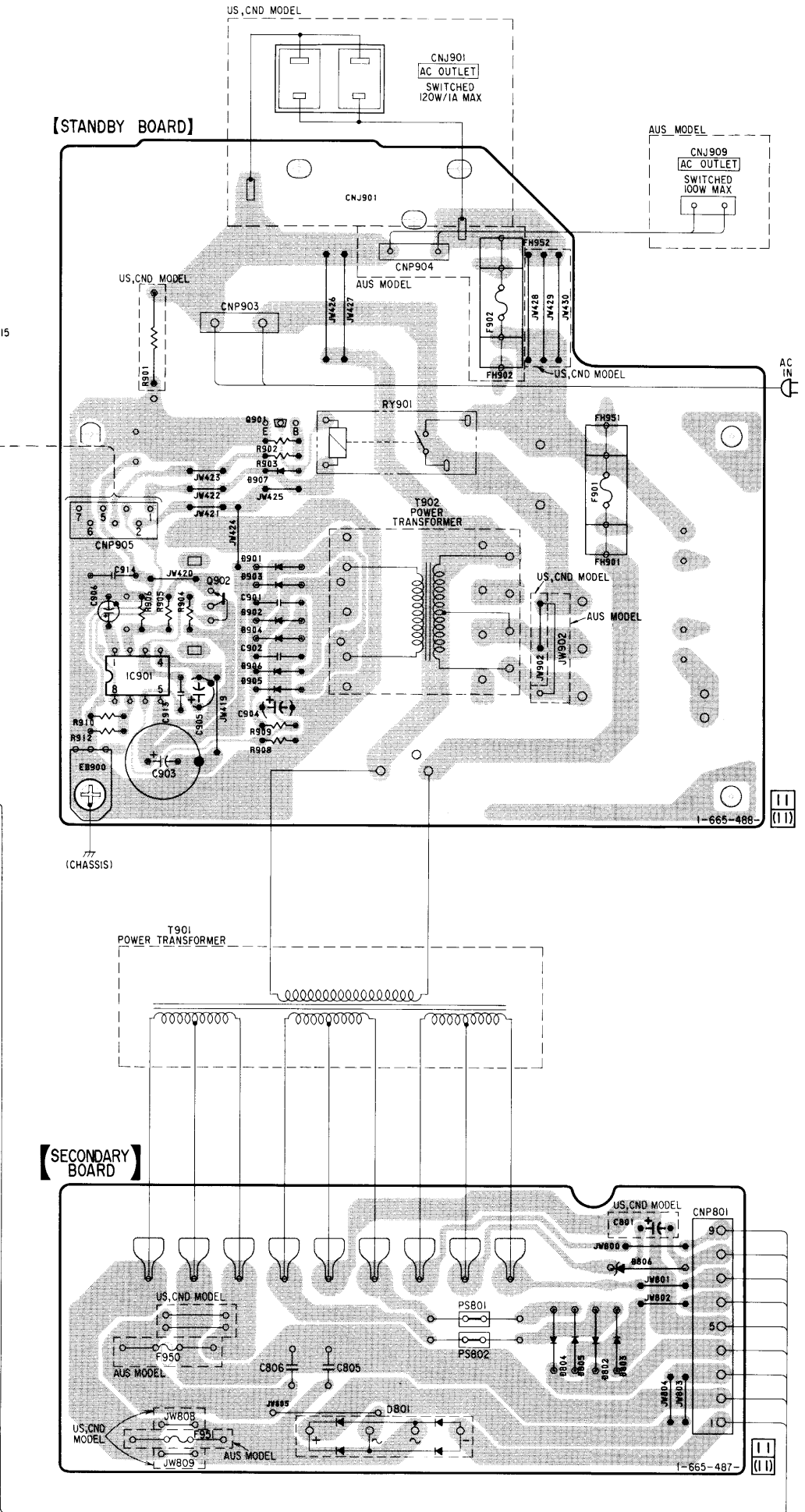


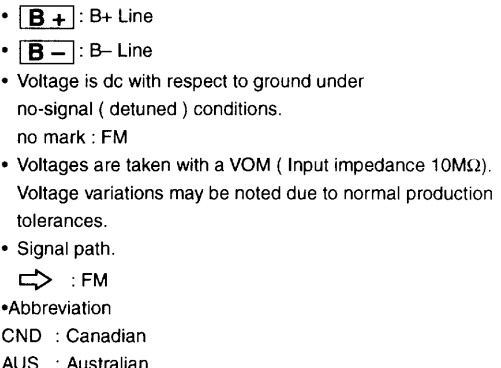
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D152	H-13	D752	B-14	Q559	J-4
D501	J-5	D753	B-14	Q560	J-4
D502	J-5	D754	C-14		
D503	J-6			Q561	J-4
D504	J-6	D801	J-18	Q596	G-4
		D802	J-20	Q601	H-10
D505	J-4	D803	J-20	Q604	J-9
D506	J-4	D804	J-20	Q605	J-9
D543	D-4	D805	J-20		
D545	G-4			Q606	J-8
D546	J-3	D806	I-20	Q607	J-9
		D807	I-12	Q608	J-10
D547	I-13	D901	E-18	Q609	B-3
D548	J-12	D902	E-18	Q610	B-3
D549	I-12	D903	E-18		
D551	J-10			Q611	C-4
D552	J-10	D904	E-18	Q612	H-6
		D905	E-18	Q613	H-6
D553	J-11	D906	E-18	Q614	I-11
D554	J-11	D907	D-18	Q615	H-6
D555	J-4				
D556	J-4			Q616	H-6
D601	J-8	IC701	B-11	Q617	I-12
		IC702	A-3	Q618	I-11
D602	J-7	IC801	G-5	Q645	C-3
D603	J-9	IC803	H-6	Q651	
D604	J-9	IC901	E-17		
D605	C-3			Q703	B-11
D606	B-3			Q704	B-10
		Q504	J-6	Q705	C-10
D607	B-4	Q505	J-6	Q706	C-9
D608	G-10	Q506	J-5	Q707	C-10
D611	H-13	Q507	J-7		
D647	I-12	Q508	J-7	Q708	B-9
D648	H-6			Q709	E-4
		Q509	J-4	Q710	E-4
D649	D-3	Q510	J-4	Q745	E-3
D651	H-13	Q511	J-4	Q747	B-3
D701	B-10	Q544	D-4		
D702	B-10	Q546	G-4	Q748	B-3
D703	B-10			Q754	B-14
		Q547	J-13	Q755	C-13
D704	C-10	Q548	I-13	Q756	C-13
D705	E-4	Q549	I-13	Q757	C-14
D706	E-4	Q554	J-11		
D711	H-13	Q555	J-11	Q758	B-15
D716	H-13			Q801	I-12
		Q556	J-11	Q901	D-18
D749	F-3	Q557	J-12	Q902	E-17
D751	B-13	Q558	J-12		

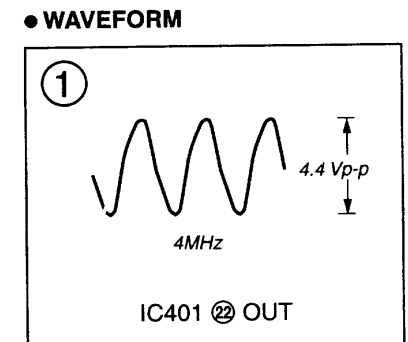
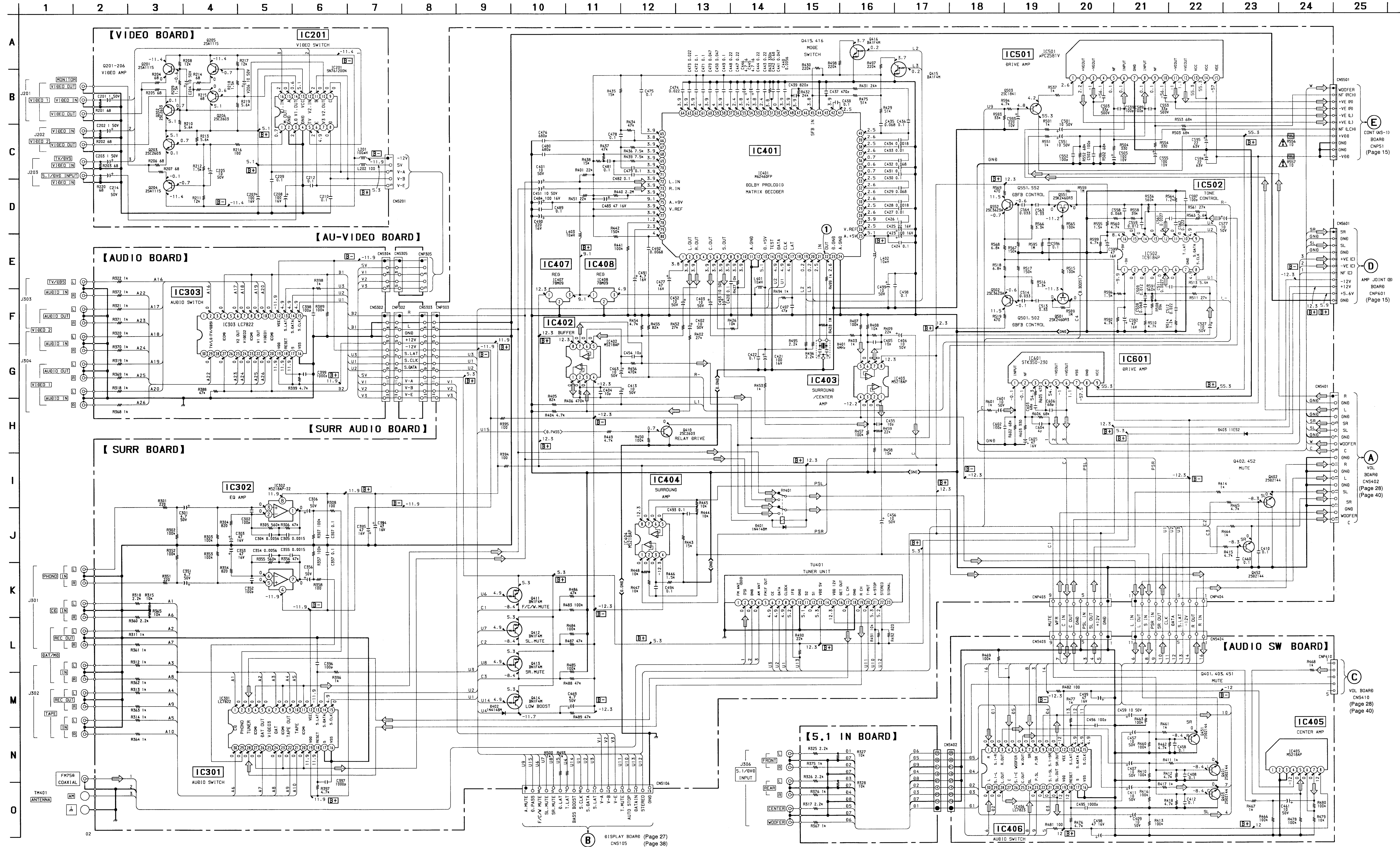
The diagram illustrates the internal circuitry of the Sony SRS-5000P Hi-Fi system, organized into several main sections:

- FRONT AMP BOARD:** The central section showing the main amplifier circuit, including input stages (J701, J702), tone controls (J703, J704), and output stages (J705, J706). It features various resistors (R), capacitors (C), and integrated circuits (IC).
- S-A-SP BOARD:** A sub-board for the speaker amplifier, containing components like J707, J708, and J709.
- REAR AMP BOARD:** A sub-board for the rear speaker amplifier, featuring components like J710, J711, and J712.
- AMP JOINT (B) BOARD:** A board that interfaces the main amplifier with the speaker drivers.
- CONT (AS-I) BOARD:** A control board for the system, including components like J713, J714, and J715.
- Other Boards:** Includes the HP BOARD (Headphone Board), Surr. Board (Surround Board), and Display Board (AS-5000P).

The diagram includes detailed component values, part numbers, and connection points for speakers and other peripherals. It also shows the chassis ground (CHASSIS) and various power supply connections.






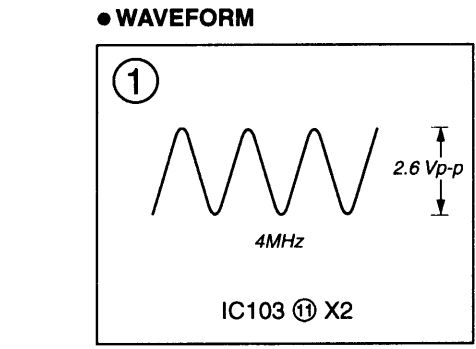
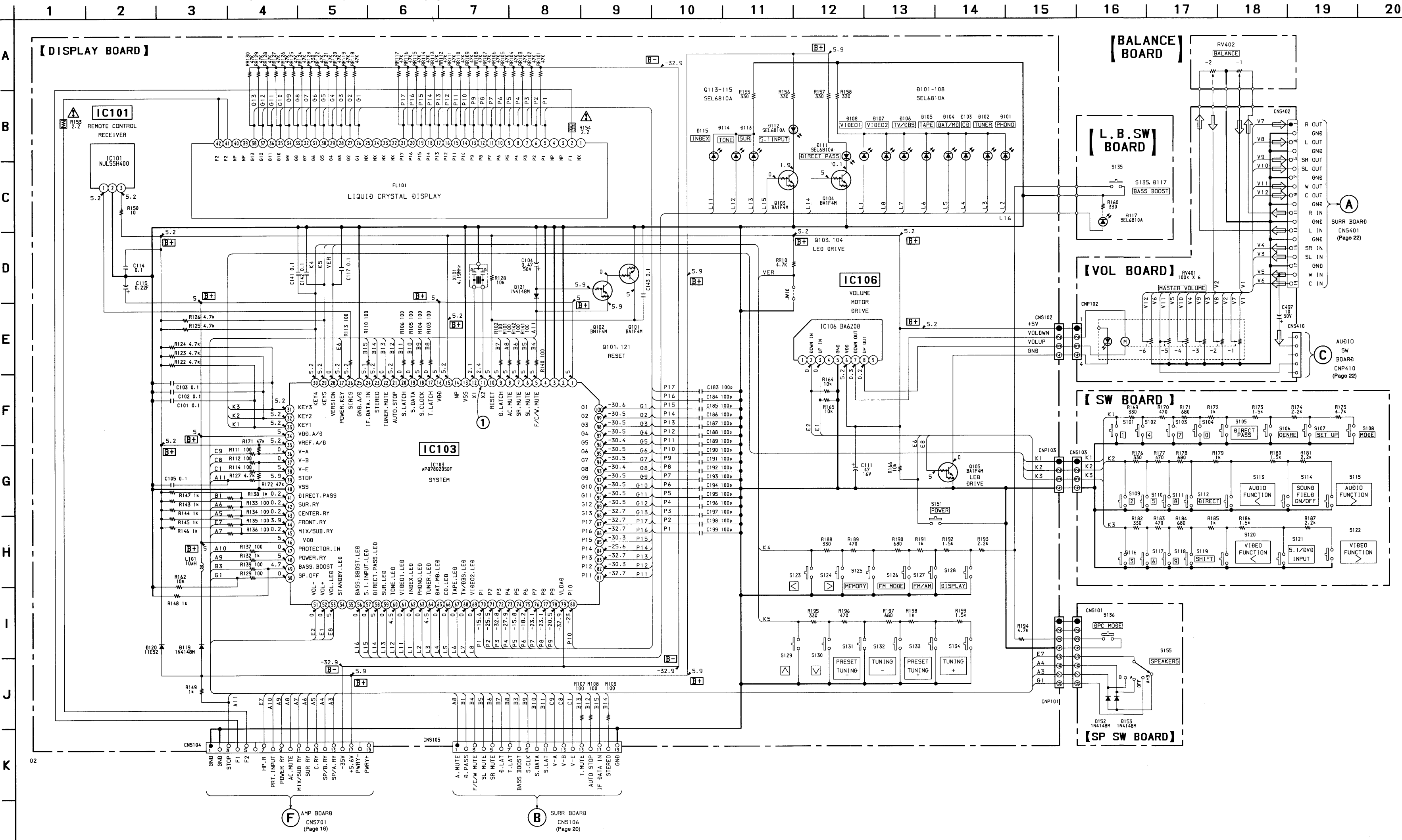


- Note :
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - Δ : internal component.
 - $\text{B}+$: B+ Line
 - $\text{B}-$: B- Line
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - no mark : FM
 - Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
 - Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
 - \Rightarrow : FM



Note:

- ○ — : parts extracted from the component side
-  : Pattern on the side which is seen.



Note :

- All capacitors are in μF unless otherwise noted. pF ; μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- : nonflammable resistor.

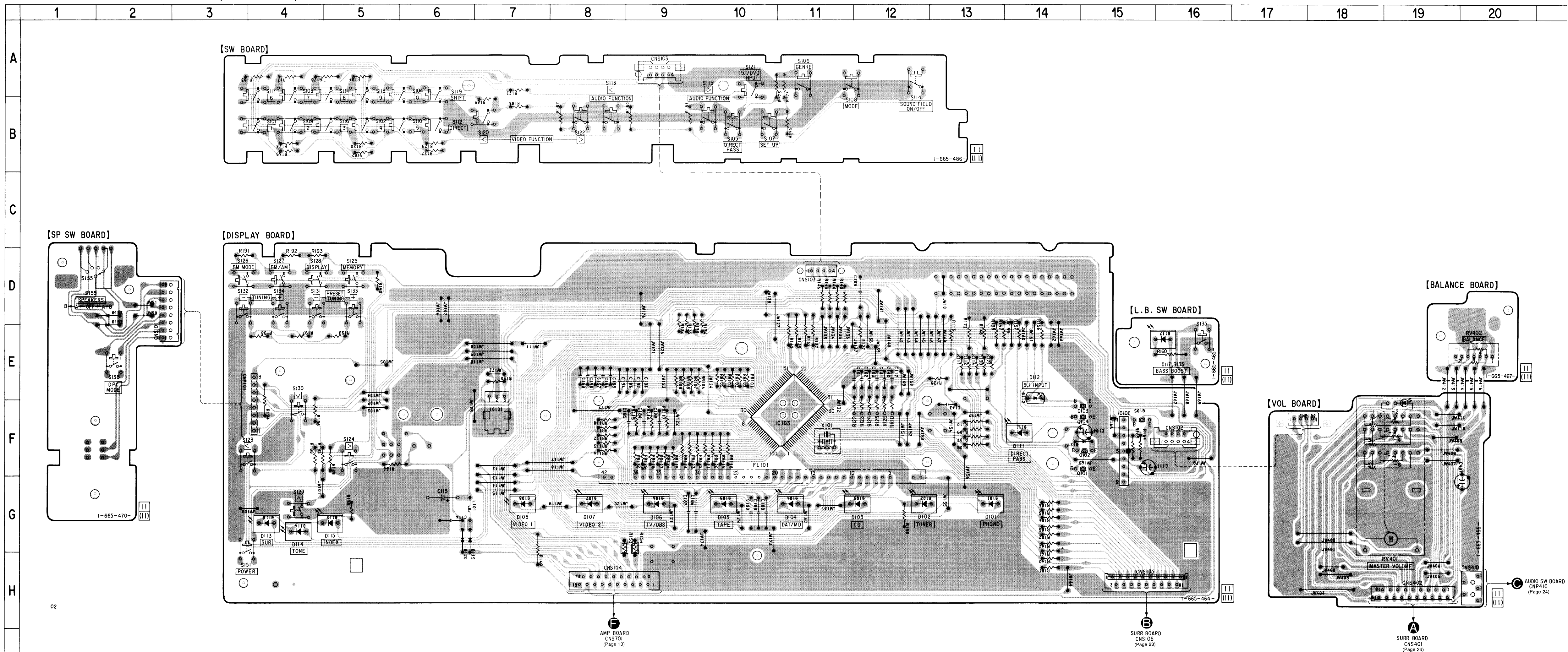
Note :

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note :

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- **B+** : B+ Line
- **B-** : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark : FM
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - : FM
- Abbreviation
 - CND : Canadian
 - AUS : Australian

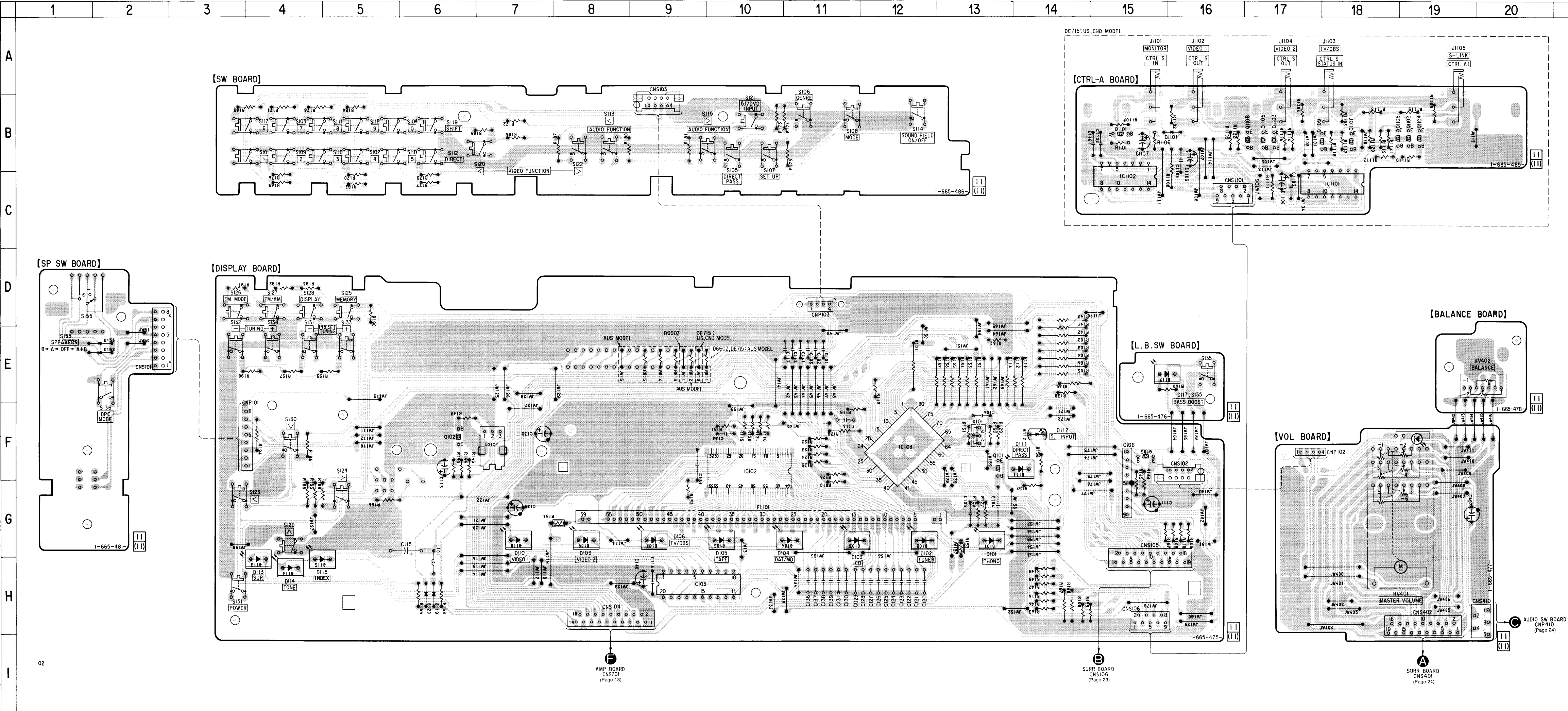


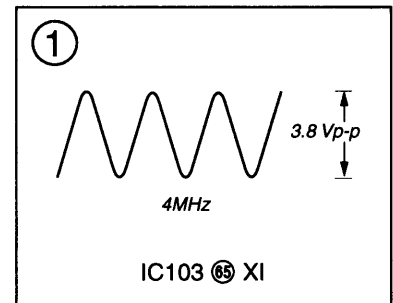
● SEMICONDUCTOR LOCATION


Ref. No.	Location
D101	G-13
D102	G-12
D103	G-11
D104	G-11
D105	G-10
D106	G-9
D109	G-8
D110	G-7
D111	F-14
D112	F-14
D113	H-4
D114	H-4
D115	H-4
D117	E-15
D119	H-6
D120	H-6
D152	E-2
D153	E-2
D1101	B-16
IC101	F-7
IC102	F-10
IC103	F-12
IC105	H-9
IC106	F-15
IC1101	C-18
IC1102	C-15
Q101	F-13
Q102	F-6
Q105	F-15
Q1101	B-15
Q1102	B-19
Q1103	B-17
Q1104	B-19
Q1105	B-17
Q1106	B-18
Q1107	B-18
Q1108	B-17
Q1109	B-18



Note:


- — : parts extracted from the component side.
- ⬢ : Pattern on the side which is seen.
- : Abbreviation
- CND : Canadian
- AUS : Australian







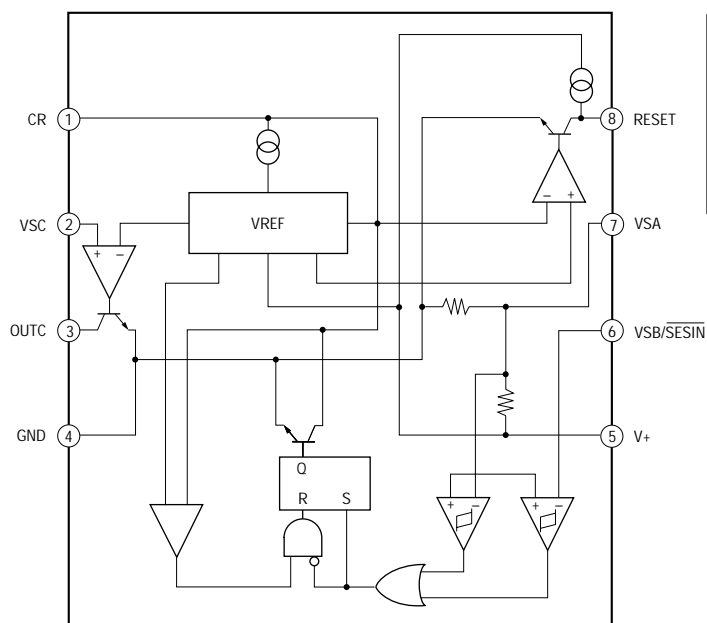
- All capacitors are in μF unless otherwise noted. pF : μF 50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- : nonflammable resistor.

Note :
The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

Note :
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

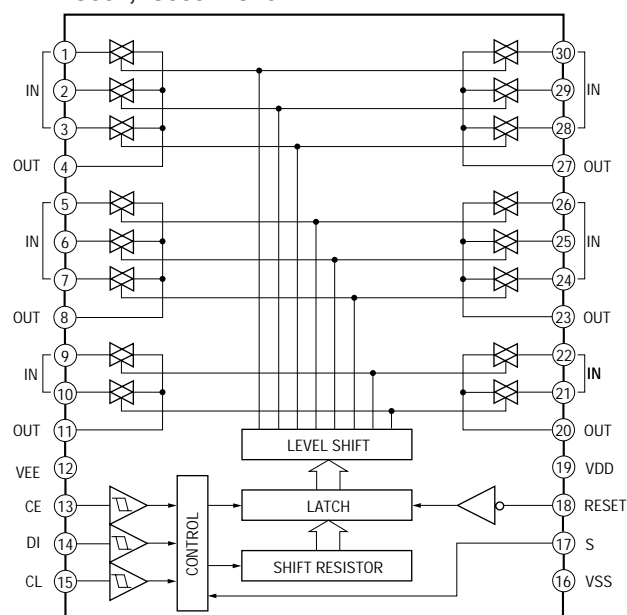
-  : B+ Line
 -  : B- Line
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - no mark : FM
 - Voltages are taken with a VOM (Input impedance 10MQ).
 - Voltage variations may be noted due to normal production tolerances.
 - Waveforms are taken with an oscilloscope.
 - Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
- ➡ : FM
- Abbreviation
- CND : Canadian
- AUS : Australian

IC901 NJM2103D



Pin diagram of the TDA1546Q audio amplifier. The diagram shows 15 pins in a row. Pins 1 through 12 are labeled with functions: 1 MUTE, 2 VOUT1, 3 VOUT1, 4 COMP1, 5 MF1, 6 IN1, 7 GND, 8 IN2, 9 NF2, 10 COMP2, 11 VOUT2, 12 VOUT2. Pins 13, 14, and 15 are labeled VCC1, VCC2, and VEE respectively. Above the pins, several functional blocks are shown: REG (connected to pin 1), DRIVE (connected to pin 3), PRE DRIVE (connected to pins 5 and 6), PRE DRIVE (connected to pins 8 and 9), and DRIVE (connected to pin 11). A BIAS CIRCUIT is connected to pins 4, 6, 8, and 10. A PROTECTOR is connected to pins 1 and 2. A feedback loop is shown from pin 12 back to pin 1.

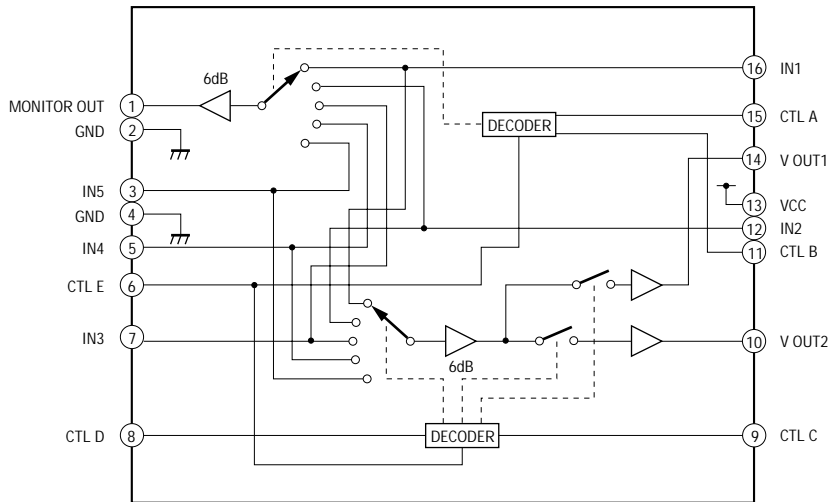
IC301, IC303 LC7822



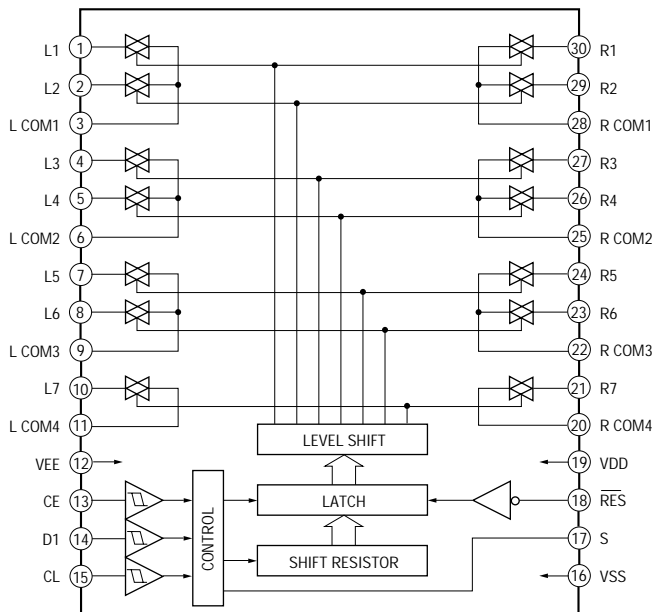
The schematic diagram illustrates a 100W Class D audio amplifier. The circuit is powered by a 100VDC supply and includes a 100W output stage. The input stage consists of transistors TR1 and TR2, which are driven by the input signal (INPUT) and a feedback signal (NF). The output stage is a push-pull arrangement using transistors TR3, TR4, TR5, and TR6, which drive the load (R1, R2). The complementary output stage uses transistors TR7 and TR8, which are driven by the input signal and a feedback signal (NF). The feedback network includes resistors R1, R2, R3, R4, R5, R6, R7, R8, and R9, and diodes D1, D2, D3, and D4. The circuit is designed to provide a high-power output (100W) with a Class D efficiency.

[illegible]

IC201 SN761200



IC406 LC7823



IC501 uPC2581V

