

# SERVICE MANUAL

COLOR TELEVISION

- This Service Manual contains information about the difference between TV-F2100 (NH2C1M) and TV-F2100 (NH). If requiring other information, see Service Manual of TV-F2100 (HT,NH), (S/M Code No. 09-008-432-1R2).

## SPECIFICATIONS

<b>Tuner System</b>	Frequency synthesized tuner
<b>TV System</b>	NTSC-M
<b>Channel Coverage</b>	VHF: 2 to 13 UHF: 14 to 69 CATV: 5A, A-1 to A-5, A to W, W+1 to W+84
<b>Program Memory</b>	181
<b>Antenna Input</b>	75 ohms, unbalanced
<b>Picture Tube</b>	21 in
<b>Screen Size</b>	406 (W) x 305 (H) mm (16 x 12 <sup>1</sup> / <sub>8</sub> in.) 508 mm (diagonal) (20 in.)
<b>Video Input</b>	1 Vp-p 75 ohms
<b>Audio Input</b>	0.5 Vrms., 33 k ohms more
<b>Speaker</b>	120 x 60 mm (4 <sup>3</sup> / <sub>4</sub> x 2 <sup>3</sup> / <sub>8</sub> in.)
<b>Operating Voltage</b>	110-240 V AC, 50/60 Hz
<b>Power Consumption</b>	110 W
<b>Phones Jack</b>	Stereo-mini jack
<b>Operating Temperature</b>	5 °C – 40 °C
<b>Operating Humidity</b>	35 % – 80 %
<b>Dimensions</b>	610 (W) x 440 (H) x 485 (D) mm (24 <sup>1</sup> / <sub>8</sub> x 17 <sup>3</sup> / <sub>8</sub> x 19 <sup>1</sup> / <sub>8</sub> in.)
<b>Weight</b>	24.1 kg (53.02 lbs.)

- Design and specifications are subject to change without notice.

## ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
2	8A-JE5-907-110	IB,NH	(E) -F2500/2100

## NOTICES BEFORE REPAIRING

To make the best use of this equipment, make sure to obey the following items when repairing (or mending).

1. Do not damage or melt the tunicate of the leading wire on the AC1 side, including the power supply cord.
2. Do not soil or stain the letters on the spec. inscription plates, notice labels, fuse labels, etc.
3. When repairing the part extracted from the conducted side of the board pattern, fix it firmly with applying bond to the pattern and the part.
4. Restore the following items after repairing.
  - 1) Conditions of soldering of the wires (especially, the distance on the AC1 side).
  - 2) Conditions of wiring, bundling of wires, etc.
  - 3) Types of the wires.
  - 4) Attachment conditions of all types of the insulation.
5. After repairing, always measure the insulation resistance and perform the voltage-withstand test (See Fig-1).
  - 1) The insulation resistance must be 7.0 to 9.5 MΩ when applying 500V per second.
  - 2) In the voltage withstand test, apply 1.5 kV for 1 minute and check that the GO lamp lights.

- \* Breaking current set to 10 mA.
- \* Connect the safety checker as shown in Fig-1, then measure the resistance and perform the test.
- \* Do not touch the equipment during testing.
- \* For details of the safety checker, refer to the supplied Operation manual.

Insulation resistance: 7.0 to 9.5 MΩ (500 V/s)  
Voltage-withstand: 1.5 kV for 1 minute

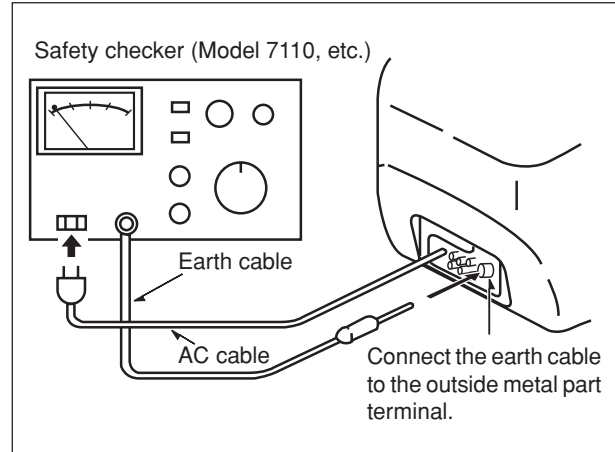


Fig-1

When servicing and checking on the TV, note the followings.

1. Keep the notices.

As for the places which need special attentions, they are indicated with labels or seals on the cabinet, chassis and parts. Make sure to keep the indications and notices in the operation manual.
2. Avoid an electric shock.

There is a high voltage part inside. Avoid an electric shock while the electric current is flowing.
3. Use the designated parts.

The parts in this equipment have the specific characteristics of incombustibility and withstand voltage for safety.  
Therefore, use a part which has the same character as the replaced part. Especially as to the important parts for safety which is indicated in the circuit diagram or the table of parts with a  $\triangle$  mark, the designated parts must be used.
4. Put parts and wires in the original position after assembling or wiring.

There are parts which use the insulation material such as a tube or tape for safety, or which are assembled so that these parts do not make contact with the printed

board. The inside wiring is designed not to get close to the pyrogenic parts and high voltage parts. Therefore, put these parts in the original positions.

5. Take care of the cathode-ray tube.

By setting an explosion-proof cathode-ray tube in this equipment, safety is secured against implosion. However, when removing it or servicing from the back, it gives out shock that is dangerous. Take enough care to deal with it.
6. Avoid an X-ray.

Safety is secured against an X-ray by giving considerations to the cathode-ray tube and the high voltage peripheral circuit, etc. Therefore, when repairing the high voltage peripheral circuit, use the designated parts and do not change the circuit. Repairing, except indicates, causes rising of high voltage, and the cathode-ray tube emits an X-ray.
7. Perform a safety check after servicing.

Confirm that the screws, parts and wiring which were removed in order to service are put in the original positions, or whether there are deteriorated portions around the places serviced.

### $\triangle$ Safety Components Symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to confirm to special Safety Specifications.  
Therefore, when replacing a component with this symbol make absolutely sure that you use a designated part.

# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				MAIN C.B			
	8A-JE7-623-010		IC,M37272MA-055SP	C1	87-010-405-080		CAP, ELECT 10-50V
	87-A91-538-010		RCR UNIT,SBX1981-72P	C2	87-A11-148-080		CAP, TC U 0.1-50V
	87-A21-378-010		IC,S-24C04BDP-1A	C3	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-001-536-010		IC,NJM78M05FA	C4	87-018-134-080		CAPACITOR,TC-U 0.01-16
	8Z-JBJ-605-010		IC,TA1268N	C5	87-010-401-080		CAP, ELECT 1-50V
	87-A21-103-040		C-IC,MM1454XFBE	C6	87-A11-148-080		CAP, TC U 0.1-50V
	87-A21-022-040		C-IC,BA3880FS	C7	87-010-248-080		CAP, ELECT 220-10V
	87-A21-554-010		IC,TA1216AN	C8	87-018-123-080		CAP, CER 220P-50V
	87-A21-283-010		IC,AN5277	C9	87-010-401-080		CAP, ELECT 1-50V
	87-A21-220-010		IC,MM1311AD	C10	87-018-131-080		CAP, CER 1000P-50V
	87-A21-219-010		IC,TC90A45P	C11	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-070-237-010		IC,LA7832	C12	87-018-119-080		CAP, CER 100P-50V
	87-070-417-010		IC,NJM4558 DD	C13	87-018-119-080		CAP, CER 100P-50V
	8Z-JBH-605-010		IC,CXA2104S	C14	87-010-263-080		CAP, ELECT 100-10V
	87-A21-344-010		IC,STR-F6656	C15	87-018-119-080		CAP, CER 100P-50V
	87-A21-457-010		IC,SE120N	C16	87-018-131-080		CAP, CER 1000P-50V
	87-020-969-010		IC,NJM78M09FA	C17	87-018-128-080		CAP, CERA-SOL SS 560P
	87-A20-389-010		IC,NJM7809FA	C18	87-018-109-080		CAP, CER 22P-50V
	87-A21-133-080		IC,BMR-010D	C19	87-018-109-080		CAP, CER 22P-50V
				C20	87-018-119-080		CAP, CER 100P-50V
TRANSISTOR				C21	87-018-109-080		CAP, CER 22P-50V
	87-A30-065-080		TR,2SC2785FE	C22	87-018-109-080		CAP, CER 22P-50V
	87-026-269-080		TR,D7A114ES	C23	87-018-123-080		CAP, CER 220P-50V
	87-A30-066-080		TR,2SA1175FE	C24	87-A11-148-080		CAP, TC U 0.1-50V
	87-026-219-080		TR,DTA144ES (0.3W)	C25	87-018-119-080		CAP, CER 100P-50V
	87-026-218-080		TR,DTC144ES (0.2W)	C101	87-010-404-080		CAP, ELECT 4.7-50V
	89-324-122-080		TR,2SC2412K	C104	87-010-248-080		CAP, ELECT 220-10V
	89-110-372-080		TR,2SA1037(140MHZ 200MW)	C105	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A30-062-080		C-TR,KRC104S	C106	87-A11-132-080		CAP,TC U 0.01-50KB
	89-324-820-080		TR,2SC2482	C112	87-018-109-080		CAP, CER 22P-50V
	87-A30-364-010		TR,2SD2578-CA	C113	87-018-109-080		CAP, CER 22P-50V
	87-A30-363-010		TR,2SD2531	C201	87-018-134-080		CAPACITOR,TC-U 0.01-16
	89-110-154-080		TR,2SA1015Y	C202	87-018-134-080		CAPACITOR,TC-U 0.01-16
	89-318-155-080		TR,2SC1815 (0.4W)	C203	87-010-400-080		CAP, ELECT 0.47-50V
	87-A30-216-080		TR,2SA933AS(R)	C204	87-018-134-080		CAPACITOR,TC-U 0.01-16
	89-110-913-080		TR,2SA1091-O	C205	87-010-237-080		CAP, ELECT 1000-16V
	87-A30-344-010		TR,2SC5147D	C206	87-A10-287-080		CAP,M 2200P-50 J
	87-026-462-080		TR,2SC1740SRS (0.3W)	C207	87-010-400-080		CAP, ELECT 0.47-50V
	89-407-742-080		TR,2SD774	C208	87-018-134-080		CAPACITOR,TC-U 0.01-16
	89-118-370-010		TR,2SA1837	C209	87-010-385-080		CAP, ELECT 220-25V
	89-347-930-010		TR,2SC4793	C210	87-A11-080-080		CAP,TC U 47P-50 J CH
	87-A30-524-080		TR,2SC2925-T	C211	87-A11-080-080		CAP,TC U 47P-50 J CH
				C212	87-A11-080-080		CAP,TC U 47P-50 J CH
				C213	87-A11-082-080		CAP,TC U 56P-50 J CH
				C214	87-018-134-080		CAPACITOR,TC-U 0.01-16
DIODE				C229	87-018-149-080		CAP,TC-U 15P-50 CH
	87-017-932-080		ZENER,MTJ6.2B	C301	87-010-403-080		CAP, ELECT 3.3-50V
	87-020-465-080		DIODE,1SS133 (110MA)	C305	87-018-126-080		CAP,TC-U 390P-50 B
	87-002-743-080		ZENER,MTZJ 33B	C306	87-010-405-080		CAP, ELECT 10-50V
	87-A40-235-080		ZENER,MTZJ9.1C	C307	87-A10-299-080		CAP,M 0.022-50 J
	87-A40-286-080		DIODE,RGP10JE-5025	C308	87-010-401-080		CAP, ELECT 1-50V
	87-A40-348-080		ZENER,MTZJ3.3A	C309	87-018-147-080		CAP,TC-U 10P-50 CH
	87-A40-234-080		ZENER,MTZJ5.6A	C311	87-A11-148-080		CAP,TC-U 0.1-50V
	87-A40-318-080		ZENER,RM26 V1	C312	87-A11-148-080		CAP,TC-U 0.1-50V
	87-070-092-080		DIODE,S5566B	C313	87-A11-148-080		CAP,TC-U 0.1-50V
	87-A40-735-090		DIODE,ERC06-15	C314	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A40-001-080		ZENER,MTZJ12C	C315	87-018-123-080		CAP, CER 220P-50V
	87-017-593-090		DIODE,RGP15J	C316	87-A10-378-080		CAP,E 2.2-50 K SH
	87-017-654-060		DIODE,GBU6J	C317	87-010-402-080		CAP, ELECT 2.2-50V
	87-A40-828-080		DIODE,AK 04	C318	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A40-825-090		DIODE,RN 1Z	C319	87-010-237-080		CAP, ELECT 1000-16V
	87-A40-734-010		DIODE,FML-G12S	C321	87-010-404-080		CAP, ELECT 4.7-50V
	87-A40-927-080		DIODE,1SS119-041 TA	C322	87-A10-295-080		CAP,M 0.01-50 J
	87-A40-553-080		DIODE,1N4003 LES	C323	87-016-280-080		CAP,E 3.3-50 M BP SME
	87-A40-503-080		ZENER,MTZJ39B	C324	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A40-785-080		DIODE,SB040	C325	87-018-134-080		CAPACITOR,TC-U 0.01-16
	87-A40-856-080		DIODE,UF4007	C326	87-A10-307-080		CAP,M 0.1-50 J
	87-A40-850-090		DIODE,RL4A	C327	87-018-134-080		CAPACITOR,TC-U 0.01-16

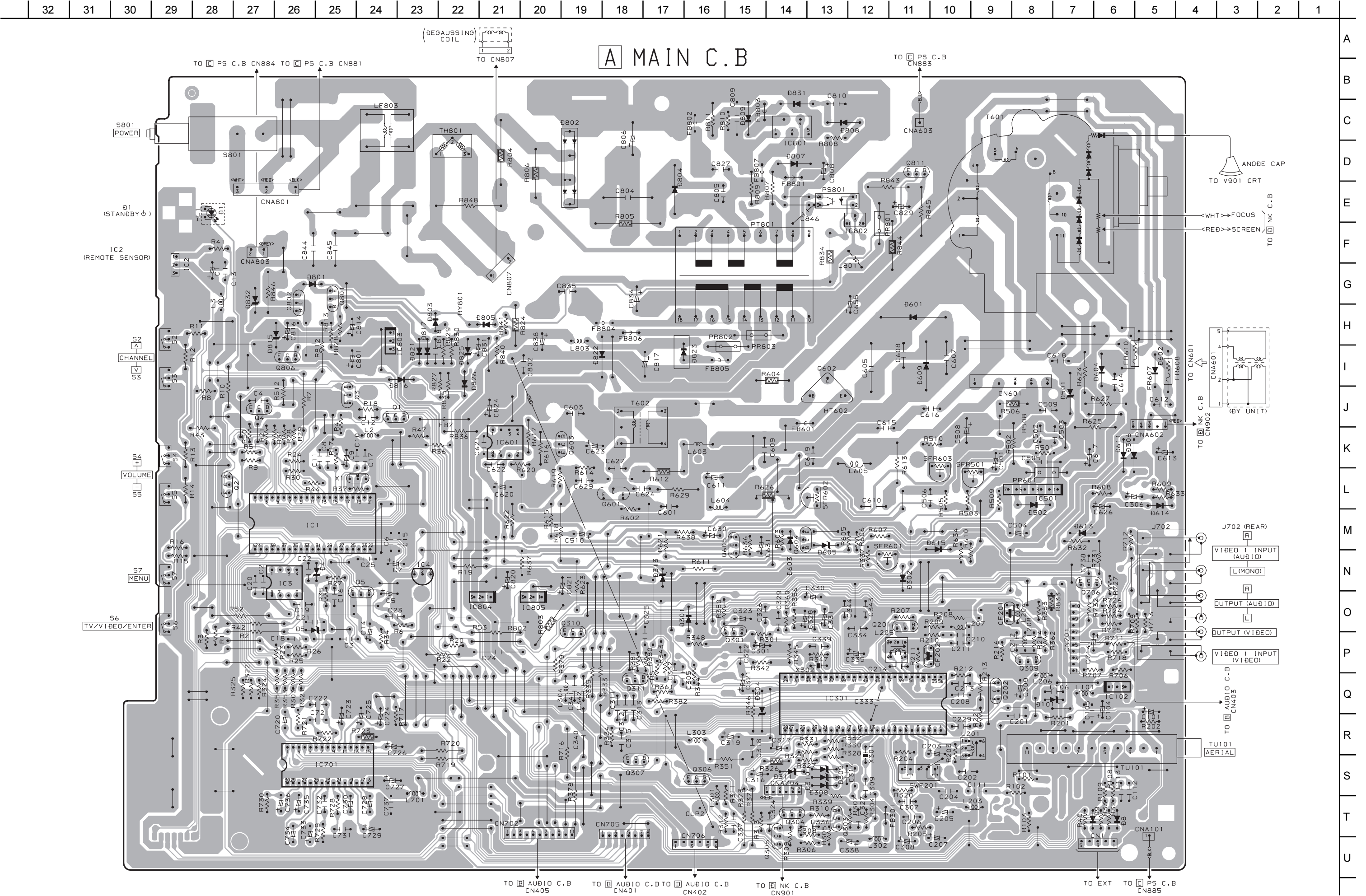
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C328	87-010-405-080		CAP, ELECT 10-50V	C806	87-A12-287-090		CAP,E 390-400 M
C329	87-018-134-080		CAPACITOR,TC-U 0.01-16	C808	87-010-384-080		CAP, ELECT 100-25V
C330	87-010-401-080		CAP, ELECT 1-50V	C809	87-018-127-080		CAP, TC U 470P-50 K B
C331	87-010-544-080		CAP, ELECT 0.1-50V	C810	87-018-130-080		CAP, TC U 820P-50 K B
C332	87-018-134-080		CAPACITOR,TC-U 0.01-16	C814	87-010-260-080		CAP, ELECT 47-25V
C333	87-018-134-080		CAPACITOR,TC-U 0.01-16	C816	87-010-405-080		CAP, ELECT 10-50V
C334	87-A11-148-080		CAP,TC-U 0.1-50V	C817	87-010-398-090		CAP,E 2200-35V
C335	87-015-997-090		CAP, ELECT 2200U-16V	C818	87-A11-148-080		CAP, TC U 0.1-50V
C336	87-018-134-080		CAPACITOR,TC-U 0.01-16	C820	87-010-405-080		CAP, ELECT 10-50V
C337	87-018-130-080		CAP,TC-U 820P-50 B	C821	87-010-405-080		CAP, ELECT 10-50V
C338	87-010-405-080		CAP, ELECT 10-50V	C822	87-A11-148-080		CAP, TC U 0.1-50V
C339	87-018-134-080		CAPACITOR,TC-U 0.01-16	C824	87-010-237-080		CAP, ELECT 1000-16V
C340	87-018-118-080		CAP,TC-U 82P-50 B	C827	87-A12-290-080		CAP,CER 220P-2K
C341	87-018-118-080		CAP,TC-U 82P-50 B	C829	87-010-384-080		CAP, ELECT 100-25V
C342	87-018-150-080		CAP,TC-U 18P-50 CH	C831	87-010-405-080		CAP, ELECT 10-50V
C343	87-A10-307-080		CAP,M 0.1-50 J	C834	87-A10-733-090		CAP,E 220-160 SK
C344	87-A10-307-080		CAP,M 0.1-50 J	C835	87-A12-292-010		CAP,CER 330P-2K
C501	87-A10-378-080		CAP, ELECT 2.2-50V	C838	87-010-397-010		CAP,1000-35
C504	87-010-393-080		CAP, ELECT 100-35V	△ C844	87-A12-170-010		CAP,CER 1000P-4K
C505	87-018-131-080		CAP, CER 1000P-50V	△ C845	87-A12-170-010		CAP,CER 1000P-4K
C508	87-010-398-090		CAP,E 2200-35V	CF201	84-LB3-626-080		FLTR,TPS4.5MB2
C509	87-A11-245-080		CAP,M/P 0.1-100 J TF-ECQV	CF202	84-LB3-627-080		FLTR,SFSH 4.5MDB SIF
C510	87-010-405-080		CAP, ELECT 10-50V	CN1	87-009-195-010		CONN,5P B5BEH
△ C605	87-A11-336-090		CAP,M/P 0.01-1.6K H ECWH(VB)	CN601	87-099-762-010		CONN,5P TBL-P V BOSS
△ C607	87-A12-050-090		CAP,M/P 0.013-800 H ECWH(VB)	CN701	87-A60-628-010		CONN,11P V 2MM JMT
△ C608	87-A10-859-010		CAP,CER 390P-2K K R LONG	CN705	87-009-262-010		CONN,8P 52147 MXJ
△ C609	87-A10-450-090		CAP,M/P 0.56-250 J ECWF 2564	CN706	87-099-186-010		CONN,6P EH V WHT
C610	87-A10-867-090		CAP,CER 2200P-2K K R	△ CN807	82-481-649-010		CONN,2P V VT-50P
C611	87-010-963-080		CAP,E 2.2-160 SME	CNA101	8Z-JE7-660-010		CONN ASSY,1P PS-MAIN
△ C612	87-010-976-080		CAP,CER 1000P-500 B	CNA602	8Z-JE7-661-110		CONN ASSY,5P V WHT TV-NK
C613	87-016-373-080		CAP,E 10-250	CNA603	8Z-JE7-665-010		CONN ASSY,1P FBT-PS
△ C614	87-010-976-080		CAP,CER 1000P-500 B	CNA704	8A-JE7-617-010		CONN ASSY,6P V WHT TV-NK-2
△ C615	87-A10-843-080		CAP,CER 680P-1K K R	CNA801	8A-JE7-619-010		CONN ASSY,3P V MAIN-PS
△ C616	87-A10-843-080		CAP,CER 680P-1K K R	CNA803	8A-JE7-618-010		CONN ASSY,2P MAIN-PS
C617	87-A12-082-090		CAP,E 1000-35 SMG	D1	87-070-110-010		LED,SLP-181B-51 RED
C618	87-A10-301-080		CAP,M 0.033-50 J	FB7	87-008-372-080		FLTR, EMI BL01 RN1
C619	87-A11-987-080		CAP,CER 6800P-250 K R HR	FB301	87-003-320-080		F-BEAD,-9.0FBR07HA121NB
C620	87-010-395-080		CAP,E 330-35 SME	FB601	87-003-223-080		FERRITE BEAD BL02RN2
C621	87-018-131-080		CAP, CER 1000P-50V	FB801	87-003-320-080		F-BEAD,FBR07HA121NB
C622	87-A11-124-080		CAP,TC U 2200P-50 K B	FB802	87-003-320-080		F-BEAD,FBR07HA121NB
△ C623	87-A12-171-080		CAP,E 4.7-50 K SH	FB803	87-003-320-080		F-BEAD,FBR07HA121NB
C624	87-010-976-080		CAP,CER 1000P-500 B	FB804	87-003-320-080		F-BEAD,FBR07HA121NB
C626	87-010-401-080		CAP, ELECT 1-50V	FB805	87-003-320-080		F-BEAD,FBR07HA121NB
C627	87-A11-984-080		CAP,CER 270P-500 K B DD10	FB806	87-003-320-080		F-BEAD,FBR07HA121NB
C629	87-A10-469-080		CAP,CER 2200P-500 K B DD10	FB807	87-003-320-080		F-BEAD,FBR07HA121NB
C630	87-010-405-080		CAP, ELECT 10-50V	FR607	87-A00-652-090		RES,FUSE 0.33-1W J RF 1SL12.5
C631	87-010-263-080		CAP, ELECT 100-10V	FR608	87-A00-628-090		RES,FUSE 0.68-1W J RF 1SL12.5
C655	87-A11-354-090		CAP,E 100-160 M SMG	FR610	87-A00-628-090		RES,FUSE 0.68-1W J RF 1SL12.5
C714	87-010-221-080		CAP, ELECT 470-10V	HL1	84-LB3-216-010		HLDR,LED
C720	87-015-464-080		CAP,E 4.7-16 BP	J702	87-A60-324-110		JACK,PIN 6P Y-W-R W/SW
C721	87-A10-292-080		CAP,M 5600P-50 J	L2	87-005-614-080		COIL 100UH LAV35 J
C722	87-A10-296-080		CAP,M 0.012-50 J	L3	87-005-614-080		COIL 100UH LAV35 J
C723	87-010-401-080		CAP, ELECT 1-50V	L101	87-005-614-080		COIL 100UH LAV35 J
C724	87-010-404-080		CAP, ELECT 4.7-50V	L201	8Z-JBR-612-010		COIL,SIF 4.5MHZ 504BN
C725	87-010-405-080		CAP, ELECT 10-50V	L203	87-005-612-080		COIL,68UH J LAV35
C726	87-010-404-080		CAP, ELECT 4.7-50V	L204	87-003-282-080		COIL,12UH
C727	87-010-112-080		CAP, ELECT 100-16V	L205	8Z-JBH-610-010		COIL,PIF-SQ57EL349A 45.75MHZ
C728	87-015-464-080		CAP,E 4.7-16 BP	L206	87-005-614-080		COIL 100UH LAV35 J
C729	87-010-404-080		CAP, ELECT 4.7-50V	L207	87-003-147-080		COIL, 22UH
C730	87-015-464-080		CAP,E 4.7-16 BP	L208	87-003-143-080		COIL 4.7 UH
C731	87-A10-288-080		CAP,M 2700P-50 J	L301	87-003-097-080		COIL,1UH
C733	87-016-301-080		CAP,TN 3.3-16K DN	L302	87-005-614-080		COIL 100UH LAV35 J
C734	87-015-464-080		CAP,E 4.7-16 BP	L303	87-005-614-080		COIL 100UH LAV35 J
C735	87-016-302-080		CAP,TN 10-16K DN	L304	87-003-282-080		COIL,12UH
C736	87-010-401-080		CAP, ELECT 1-50V	L603	87-005-757-010		COIL,3.3MH
C737	87-018-134-080		CAPACITOR,TC-U 0.01-16	L604	87-A50-616-080		COIL,2.2MH J LHL10
C801	87-010-408-080		CAP,E 47-50 M 11L	L605	8A-JE7-629-010		COIL,HLC F 21 SH5L6029A
C802	87-018-131-080		CAP, CER 1000P-50V	L701	87-005-614-080		COIL 100UH LAV35 J
C804	87-A10-474-090		CAP,PP 0.01-1.25K J PHS	L801	87-A50-636-010		COIL,390UH RCH110
C805	87-A12-117-010		CAP,CER 560P-1K	L803	87-A50-176-080		COIL,33UH-PJ87

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
△ LF803	8A-JE7-643-010		FLTR,LINE ELF18D286B	C426	87-A10-295-080		CAP,M 0.01-50 J
△ PR601	87-A90-764-080		PROTECTOR,1.25A 60V491	C427	87-010-404-080		CAP, ELECT 4.7-50V
△ PR801	87-A90-090-080		PROTECTOR,1.5A 491 SERIES 60V	C428	87-010-189-080		C-CAP,S 8200P-50 B
△ PR802	87-A90-195-080		PROTECTOR,7A 491 SERIES 60V	C429	87-012-365-080		C-CAP,S 0.027-25VBK
△ PR803	87-A90-473-080		PROTECTOR,3.5A 491 SERIES 60V	C430	87-010-401-080		CAP, ELECT 1-50V
△ PS801	87-A90-717-010		P-COUPLER,PC123FY2	C431	87-010-189-080		C-CAP,S 8200P-50 B
△ PT801	8A-JE7-622-010		PT,U SW AJE-7	C432	87-010-197-080		CAP, CHIP 0.01 DM
R506	87-A00-197-090		RES,M/F 1.2-1W J RSF(S)	C433	87-010-260-080		CAP, ELECT 47-25V
R508	87-A00-541-090		RES,M/F 390-1W J RSF(S)	C434	87-012-365-080		C-CAP,S 0.027-25VBK
R604	87-A00-565-090		RES,M/F 1.2K-7W J RSU7	C435	87-010-401-080		CAP, ELECT 1-50V
R612	87-A00-629-090		RES,M/F 5.6-1W J RSF(S)	C436	87-010-401-080		CAP, ELECT 1-50V
R626	87-A00-676-090		RES,M/F 100-7W J RSV7	C437	87-010-401-080		CAP, ELECT 1-50V
R723	87-A00-130-080		RES,M/F 62K-1/6W F	C438	87-010-178-080		CHIP CAP 1000P
R802	87-A00-160-090		RES,M/F 33-2W J RSF(S)	C439	87-A10-307-080		CAP,M 0.1-50 J
R803	87-A00-356-090		RES,M/F 22-2W J RSS2X	C440	87-A10-307-080		CAP,M 0.1-50 J
R804	87-A00-332-090		RES,CEM 1-10W J RGC	C441	87-A10-307-080		CAP,M 0.1-50 J
R805	87-A00-170-090		RES,M/F 82K-3W J RSF(S)	C442	87-010-401-080		CAP, ELECT 1-50V
R806	87-A00-749-090		RES,M/F 33K-5W J RSS5	C443	87-010-405-080		CAP, ELECT 10-50V
R811	87-A00-679-090		RES,CEM 0.15-5W J RGC5	C444	87-010-405-080		CAP, ELECT 10-50V
R824	87-A00-718-090		RES,M/F 680-1W J RSF (S)	C445	87-010-405-080		CAP, ELECT 10-50V
R833	87-A00-199-090		RES,M/F 12K-3W J RSF(S)	C446	87-010-405-080		CAP, ELECT 10-50V
R834	87-A00-223-090		RES,M/F 47K-2W J RSF(S)	C447	87-010-405-080		CAP, ELECT 10-50V
R844	87-A00-254-090		RES,M/F 0.68-2W J	C448	87-010-197-080		CAP, CHIP 0.01 DM
R848	87-A00-332-090		RES,CEM 1-10W J RGC	C449	87-010-402-080		CAP, ELECT 2.2-50V
△ RY801	87-A91-390-010		RELAY,AC12V G5PA-1-8	C450	87-010-247-080		CAP, ELECT 100-50V
S2	87-A91-525-080		SW,TACT SKQNLA	C451	87-010-388-080		CAP ELECT 1000-25V SME
S3	87-A91-525-080		SW,TACT SKQNLA	C452	87-010-388-080		CAP ELECT 1000-25V SME
S4	87-A91-525-080		SW,TACT SKQNLA	△ C453	87-010-178-080		C-CAP,S 1000P-50 KB
S5	87-A91-525-080		SW,TACT SKQNLA	△ C454	87-010-399-090		CAP,E 3300-35 SME
S6	87-A91-525-080		SW,TACT SKQNLA	C455	87-010-393-080		CAP, ELECT 100-35V
S7	87-A91-525-080		SW,TACT SKQNLA	C460	87-010-197-080		CAP, CHIP 0.01 DM
△ S801	87-A91-410-010		SW,AC PUSH 1-1-1 ESB92SH1B	C464	87-010-260-080		CAP, ELECT 47-25V
SFR501	87-024-430-080		SFR,2.2K RH063EC	C465	87-010-178-080		C-CAP, 1000P-50K
SFR601	87-024-434-080		SFR,22K RH063EC	C466	87-A10-295-080		CAP,M 0.01-50 J
SFR602	87-024-429-080		SFR,1K RH063EC	C467	87-010-401-080		CAP, ELECT 1-50V
SFR603	87-024-577-080		SFR,K 10K H EVM EAS	C468	87-A10-295-080		CAP,M 0.01-50 J
△ SWF201	8Z-JBH-633-010		FLTR,SAW M1969-M	C469	87-A10-295-080		CAP,M 0.01-50 J
△ T601	8Z-JE7-606-010		FBT,D ZJE-7	C470	87-010-154-080		CAP CHIP 10P
△ T602	85-JT2-653-010		PT,HDT-TV141-2	C471	87-012-155-080		C-CAP 180P-50CH
△ TH801	87-A91-405-010		POS-THMS,T209-B80-A10	C472	87-A10-295-080		CAP,M 0.01-50 J
TU101	8Z-JBE-610-010		TU UNIT,USA ENV56D74G3	C473	87-A10-295-080		CAP,M 0.01-50 J
X1	87-A70-124-080		VIB,CER 8.0MHZ	C474	87-A10-295-080		CAP,M 0.01-50 J
X301	87-A70-007-080		VIB,XTAL 3.58MHZ AQC-1001	C475	87-010-178-080		C-CAP, 1000P-50K
X302	87-030-327-010		VIB,CER CSB503F30	C476	87-010-260-080		CAP, ELECT 47-25V
				C477	87-010-316-080		C-CAP,S 33P-50 CH
AUDIO C.B				C478	87-010-316-080		C-CAP,S 33P-50 CH
C401	87-010-404-080		CAP, ELECT 4.7-50V	C479	87-010-318-080		C-CAP,S 47P-50 CH
C402	87-A10-295-080		CAP,M 0.01-50 J	C480	87-010-316-080		C-CAP,S 33P-50 CH
C403	87-A10-295-080		CAP,M 0.01-50 J	C481	87-010-316-080		C-CAP,S 33P-50 CH
C404	87-A10-307-080		CAP,M 0.1-50 J	C482	87-010-196-080		CHIP CAPACITOR,0.1-25
C405	87-010-404-080		CAP, ELECT 4.7-50V	C483	87-010-260-080		CAP, ELECT 47-25V
C406	87-010-260-080		CAP, ELECT 47-25V	C484	87-010-197-080		CAP, CHIP 0.01 DM
C407	87-010-197-080		CAP, CHIP 0.01 DM	C486	87-010-197-080		CAP, CHIP 0.01 DM
C408	87-010-405-080		CAP, ELECT 10-50V	C487	87-010-196-080		CHIP CAPACITOR,0.1-25
C409	87-010-404-080		CAP, ELECT 4.7-50V	C488	87-010-384-080		CAP, ELECT 100-25V
C410	87-010-404-080		CAP, ELECT 4.7-50V	C489	87-010-197-080		CAP, CHIP 0.01 DM
C411	87-010-404-080		CAP, ELECT 4.7-50V	C492	87-010-197-080		CAP, CHIP 0.01 DM
C413	87-A10-295-080		CAP,M 0.01-50 J	C493	87-A10-307-080		CAP,M 0.1-50 J
C414	87-A10-305-080		CAP,M 0.068-50 J	C494	87-A10-307-080		CAP,M 0.1-50 J
C415	87-A10-293-080		CAP,M 6800P-50 J	C495	87-010-400-080		CAP, ELECT 0.47-50V
C416	87-010-260-080		CAP, ELECT 47-25V	C496	87-010-400-080		CAP, ELECT 0.47-50V
C417	87-010-404-080		CAP, ELECT 4.7-50V	C497	87-010-405-080		CAP, ELECT 10-50V
C418	87-010-197-080		CAP, CHIP 0.01 DM	C738	87-A10-307-080		CAP,M 0.1-50 J
C419	87-010-404-080		CAP, ELECT 4.7-50V	C751	87-010-545-080		CAP, ELECT 0.22-50V
C420	87-010-404-080		CAP, ELECT 4.7-50V	C752	87-010-402-080		CAP, ELECT 2.2-50V
C421	87-010-404-080		CAP, ELECT 4.7-50V	C753	87-010-545-080		CAP, ELECT 0.22-50V
C422	87-A10-293-080		CAP,M 6800P-50 J	C754	87-010-402-080		CAP, ELECT 2.2-50V
C424	87-010-260-080		CAP, ELECT 47-25V	C755	87-010-197-080		CAP, CHIP 0.01 DM
C425	87-A10-305-080		CAP,M 0.068-50 J	C756	87-010-545-080		CAP, ELECT 0.22-50V
				C757	87-010-402-080		CAP, ELECT 2.2-50V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C758	87-010-545-080		CAP, ELECT 0.22-50V	C912	87-018-127-080		CAP, CER 470P-50V
C759	87-010-402-080		CAP, ELECT 2.2-50V	C913	87-018-127-080		CAP, CER 470P-50V
C760	87-010-197-080		CAP, CHIP 0.01 DM	C914	87-A10-052-080		CAP, E 2.2-250
C761	87-010-314-080		C-CAP,S 22P-50V	C915	87-010-260-080		CAP, ELECT 47-25V
C762	87-010-314-080		C-CAP,S 22P-50V	C916	87-018-134-080		CAPACITOR,TC-U 0.01-16
C763	87-010-405-080		CAP, ELECT 10-50V	C917	87-010-970-090		CAP,CER 4700P-2K B F
C764	87-010-401-080		CAP, ELECT 1-50V	C951	87-010-381-080		CAP, ELECT 330-16V
C765	87-010-382-080		CAP, ELECT 22-25V	C952	87-A11-078-080		CAP, TC U 39P-50 J CH
C766	87-010-402-080		CAP, ELECT 2.2-50V	C953	87-A11-076-080		CAP, TC U 33P-50 J CH
C767	87-010-401-080		CAP, ELECT 1-50V	C954	87-010-405-080		CAP, ELECT 10-50V
C768	87-010-402-080		CAP, ELECT 2.2-50V	C955	87-010-405-080		CAP, ELECT 10-50V
C769	87-010-405-080		CAP, ELECT 10-50V	C956	87-010-405-080		CAP, ELECT 10-50V
C770	87-010-405-080		CAP, ELECT 10-50V	C957	87-A11-076-080		CAP, TC U 33P-50 J CH
C780	87-010-405-080		CAP, ELECT 10-50V	C958	87-A11-088-080		CAP, TC U 100P-5-0 J CH
C781	87-010-405-080		CAP, ELECT 10-50V	C959	87-A10-050-010		CAP,CER 4700P-500
CN401	87-009-314-010		CONN 8P 51048	C960	87-010-221-080		CAP, ELECT 470-10V
CN404	87-049-469-010		CONN,4P V	C961	87-A12-168-080		CAP,E 33-160 M SMG
CN405	87-009-317-010		CONN,11P 51048	C962	87-A12-010-080		CAP,M/P 0.047-250 J ECQE2
CN409	87-009-033-010		CONNECTOR, 5P	C963	87-A10-283-080		CAP,M 1000P-50 J
CNA402	8A-JE7-610-010		CONN ASSY,6P V WHT AU-MAIN	C964	87-A10-283-080		CAP,M 1000P-50 J
CNA403	8A-JE7-611-010		CONN ASSY,11P V WHT AU-VD	C965	87-010-963-080		CAP,E 2.2-160 SME
CNA408	8Z-JE7-663-010		CONN ASSY,2P COMB-NK	C966	87-A12-014-080		CAP,M/P 0.1-250 J ECQE2
DL401	87-A91-598-010		DELAY LINE,350NS EQFK5-MT	C967	87-A10-303-080		CAP,M 0.047-50 J
FR401	87-A00-478-090		RES,FUSE 2.2-1W J	C968	87-010-221-080		CAP, ELECT 470-10V
FR402	87-A00-478-090		RES,FUSE 2.2-1W J	CN901	87-009-034-010		CONN,6P PH V
J401	87-A60-420-010		JACK,3.5 ST (MSC)	CN902	87-009-195-010		CONN,5P B5BEH
J402	87-A60-875-010		JACK,PIN 3P +S YKC22-0477	CN903	87-A61-126-080		MALE, 1P TP42097
L401	87-005-614-080		COIL 100UH LAV35 J	CN904	87-A61-060-080		CONN,1P V RED TP00706
L403	87-005-614-080		COIL 100UH LAV35 J	CN951	87-009-030-010		CONNECTOR 2P PH M
L404	87-005-614-080		COIL 100UH LAV35 J	CN952	87-099-043-010		CONN 2P EH
L405	87-003-284-080		COIL,27UH LAL02	L901	87-005-614-080		COIL 100UH LAV35 J
L406	87-003-284-080		COIL,27UH LAL02	L902	87-005-614-080		COIL 100UH LAV35 J
R432	87-A00-728-090		RES,M/F 2.2-7W K RSV7	L903	87-005-614-080		COIL 100UH LAV35 J
R447	87-A00-667-090		RES,M/F 680-2W J RSF(S)	L904	87-005-608-080		COIL 33UH J LAV35
R448	87-A00-667-090		RES,M/F 680-2W J RSF(S)	L951	87-005-482-080		COIL,56UH FLR50 J
W401	8A-JE7-612-010		F-CABLE,8P 2.0 70MM	L952	87-005-481-080		COIL,47UH J FLR50
W405	8A-JE7-613-010		F-CABLE,11P 2.0 70MM	R901	87-A00-242-090		RES,M/F 8.2K-3W J RS
				R902	87-A00-242-090		RES,M/F 8.2K-3W J RS
				R903	87-A00-242-090		RES,M/F 8.2K-3W J RS
				R968	87-A00-985-090		RES,M/O 120-2W J
PS C.B				R969	87-A00-638-080		RES,M/F 47-1/2W J SPR
△ C881	87-A11-353-010		CAP,M/P 0.22-275 M	R970	87-A00-634-080		RES,M/F 2.7-1/4W J SPR
△ C882	87-A12-170-010		CAP,CER 1000P-4K	R971	87-A00-636-080		RES,M/F 560-1/4W J SPR
△ C883	87-A11-353-010		CAP,M/P 0.22-275 M	R973	87-A00-637-080		RES,M/F 1K-1/4W J SPR
△ C885	87-A12-170-010		CAP,CER 1000P-4K	R974	87-022-556-090		RES,M/O 180-3W J
C887	87-A12-347-080		CAP,ELECT 560-50 M LXV				
CN881	87-A61-299-010		CONN,4P B 5-VB	R976	87-A00-636-080		RES,M/F 560-1/4W J SPR
△ CN882	87-099-674-010		CONN,2P VA V	R977	87-A00-634-080		RES,M/F 2.7-1/4W J SPR
CN883	87-A61-126-080		MALE, 1P TP42097	R978	87-A00-635-080		RES,M/F 47-1/4W J SPR
CN884	87-A60-937-010		CONN,2P V VH	SO901	8A-JE7-670-010		SOCKET,CRT 11P HPS1521-013411
CN885	87-A61-126-080		MALE, 1P TP42097				
△ D881	87-A91-897-090		VR1S,TNR10V471K	S-JACK C.B			
△ F881	87-035-459-010		FUSE, 5A 250V				
△ FC881	87-033-213-080		CLAMP, FUSE	C771	87-010-322-080		C-CAP,S 100P-50 CH
△ FC882	87-033-213-080		CLAMP, FUSE	C772	87-010-197-080		CAP, CHIP 0.01 DM
△ LF881	8A-JE7-642-010		FLTR,LINE ELF18D293M	CNA771	8Z-JE5-631-010		CONN ASSY,5P S-JK
				J771	87-A61-174-010		JACK,Y/CYKF51-5558
△ LF882	8A-JE7-642-010		FLTR,LINE ELF18D293M				
△ PT881	8A-JE7-624-010		PT,NH ZTP3446 (STBY)				
R881	87-A00-543-080		RES,SD 8.2M 1W J RCR60				
NK C.B							
C901	87-010-405-080		CAP, ELECT 10-50V				
C902	87-010-968-080		CAP,CER 680P-2K K B				
C903	87-010-405-080		CAP, ELECT 10-50V				
C906	87-010-400-080		CAP, ELECT 0.47-50V				
C907	87-010-235-080		CAP,E 470-16 SME				
C908	87-018-129-080		CAP, CER 680P-50V				
C909	87-018-129-080		CAP, CER 680P-50V				
C910	87-018-129-080		CAP, CER 680P-50V				
C911	87-018-127-080		CAP, CER 470P-50V				

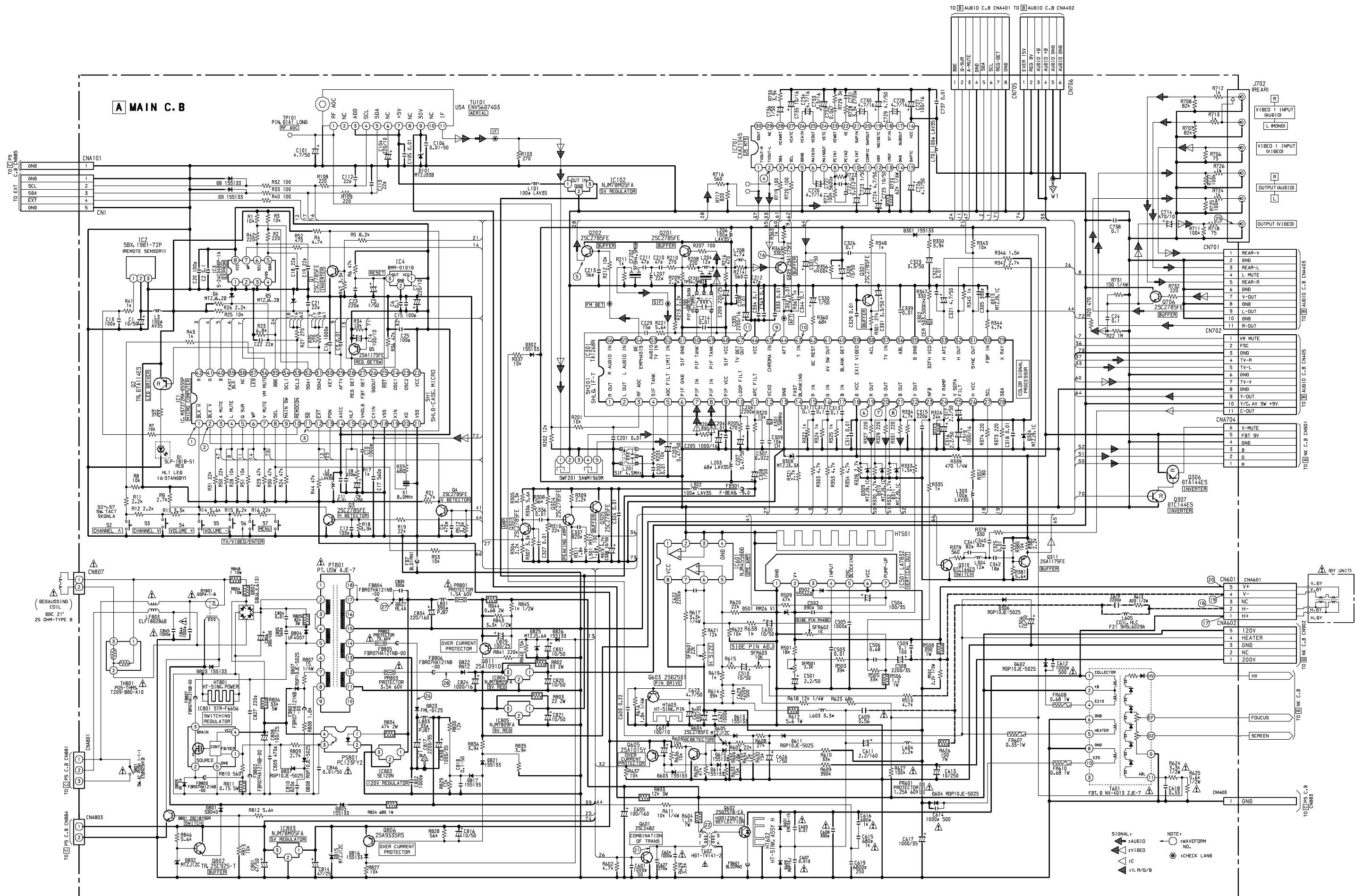


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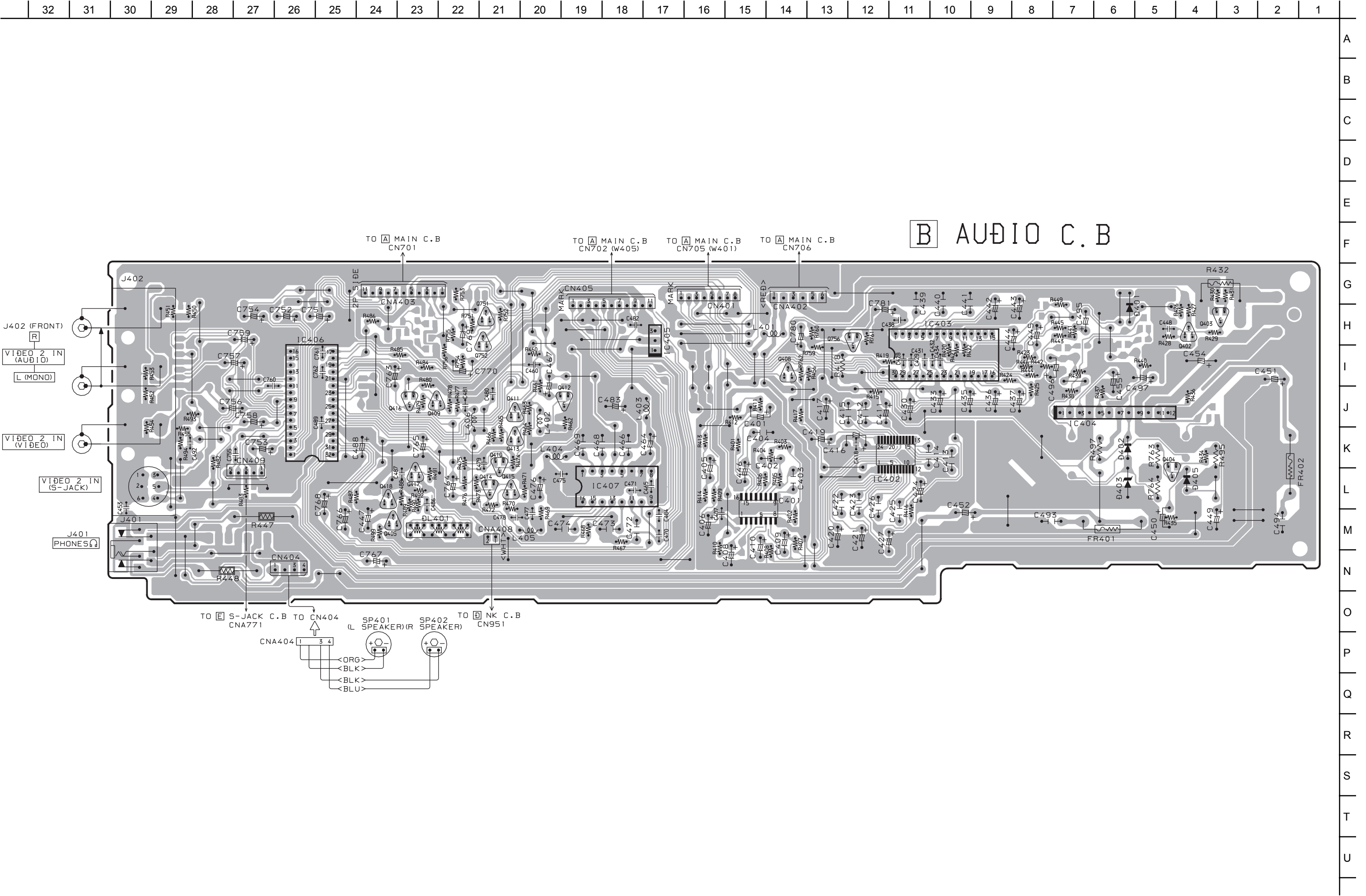




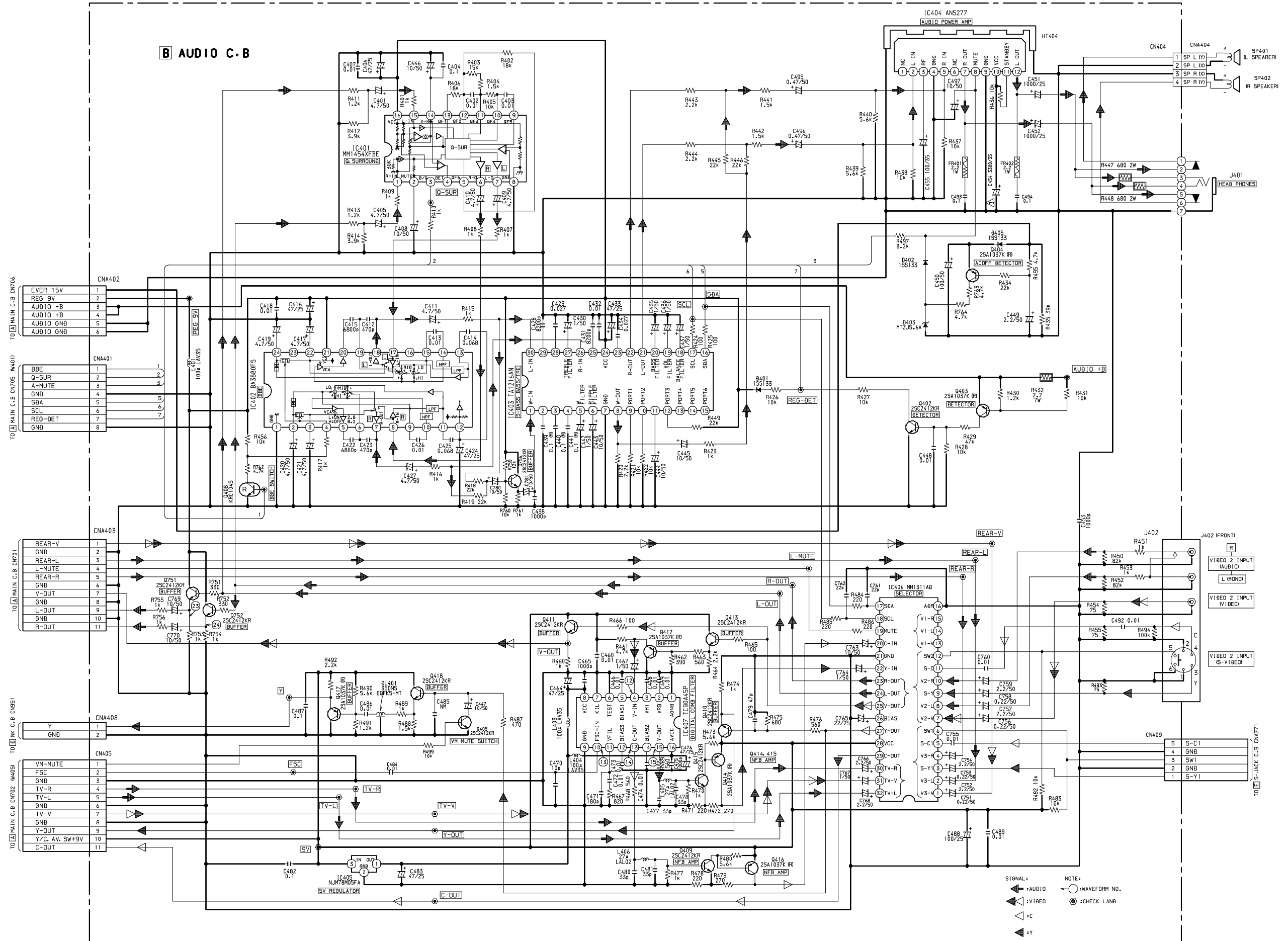
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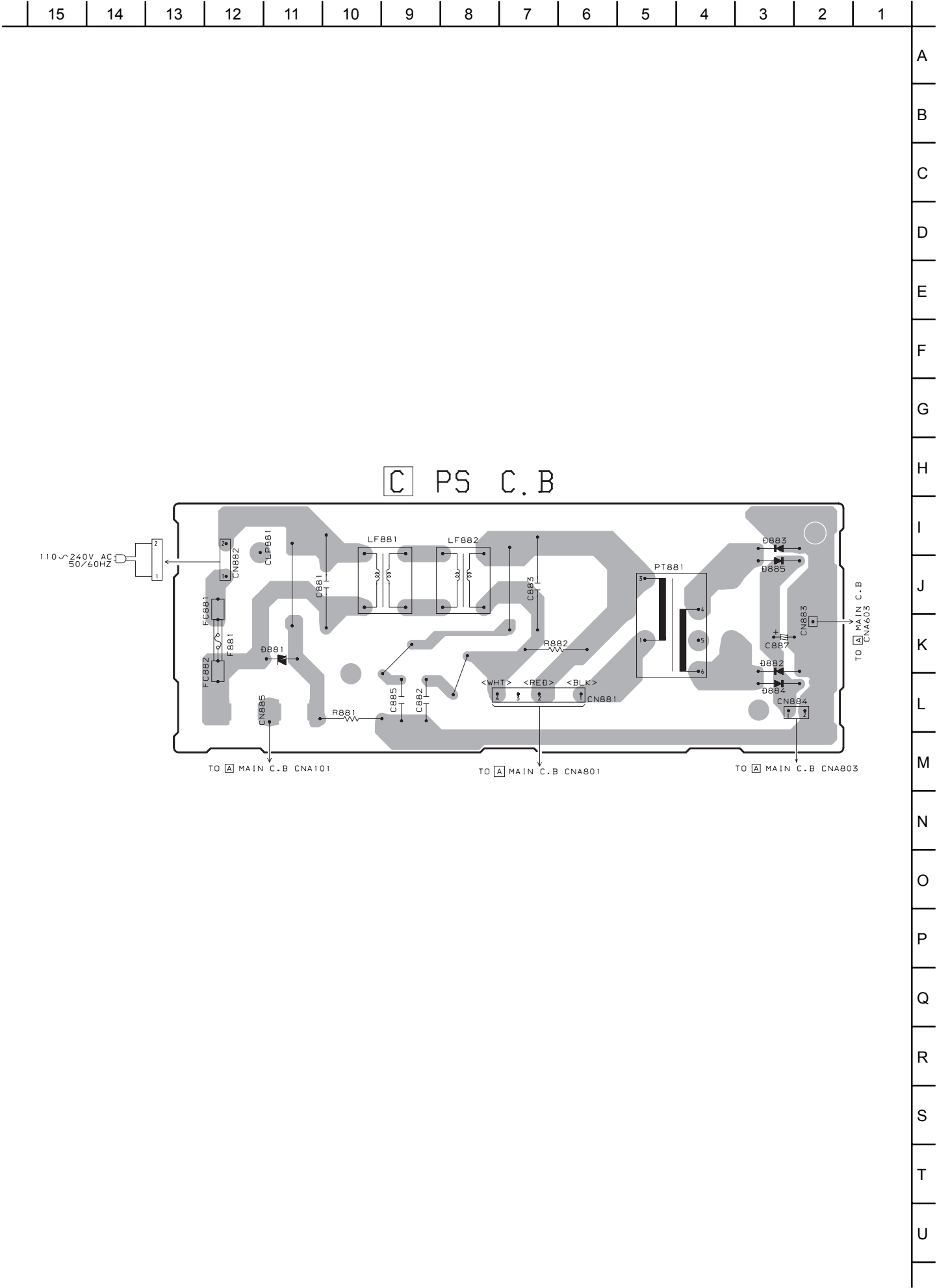
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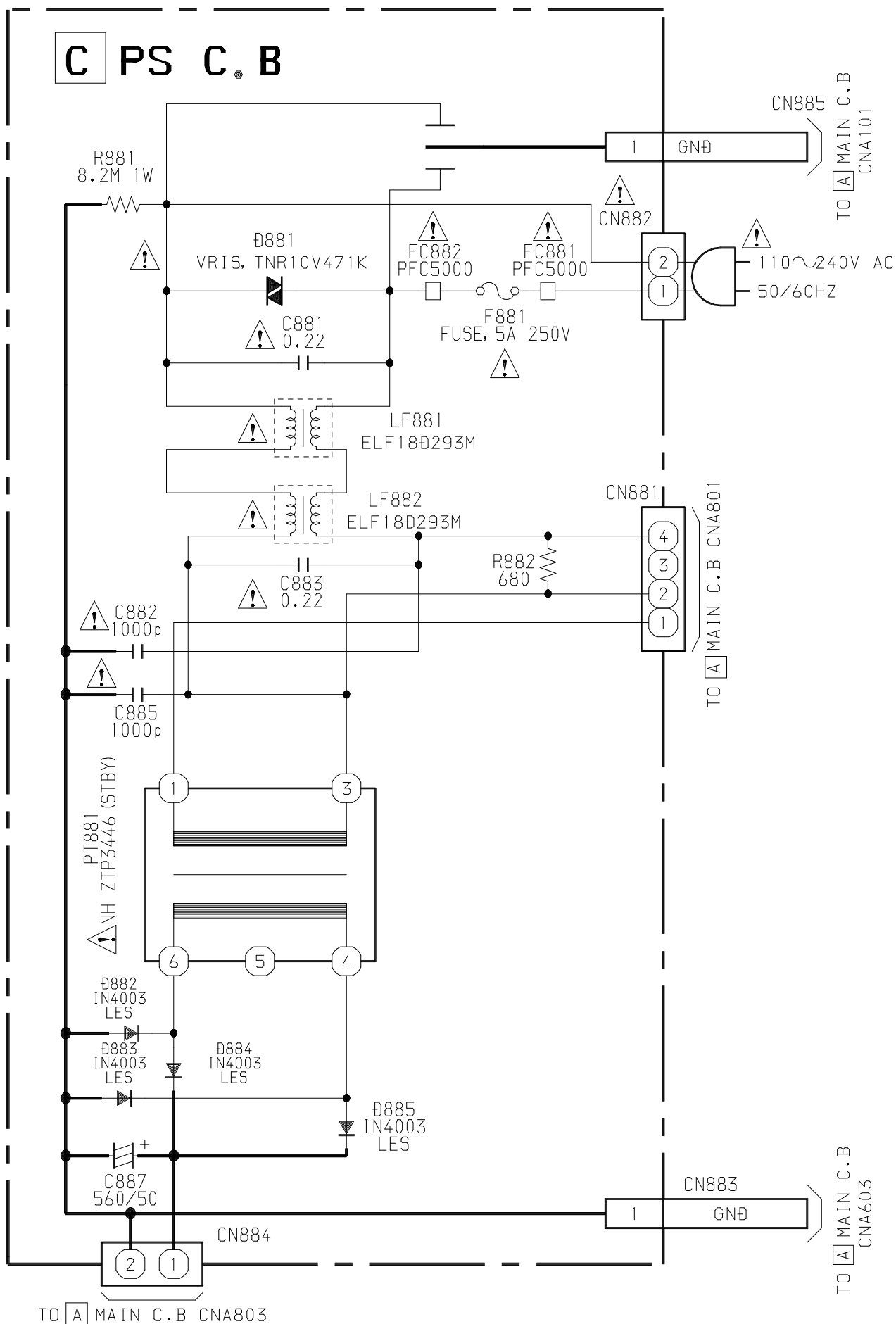
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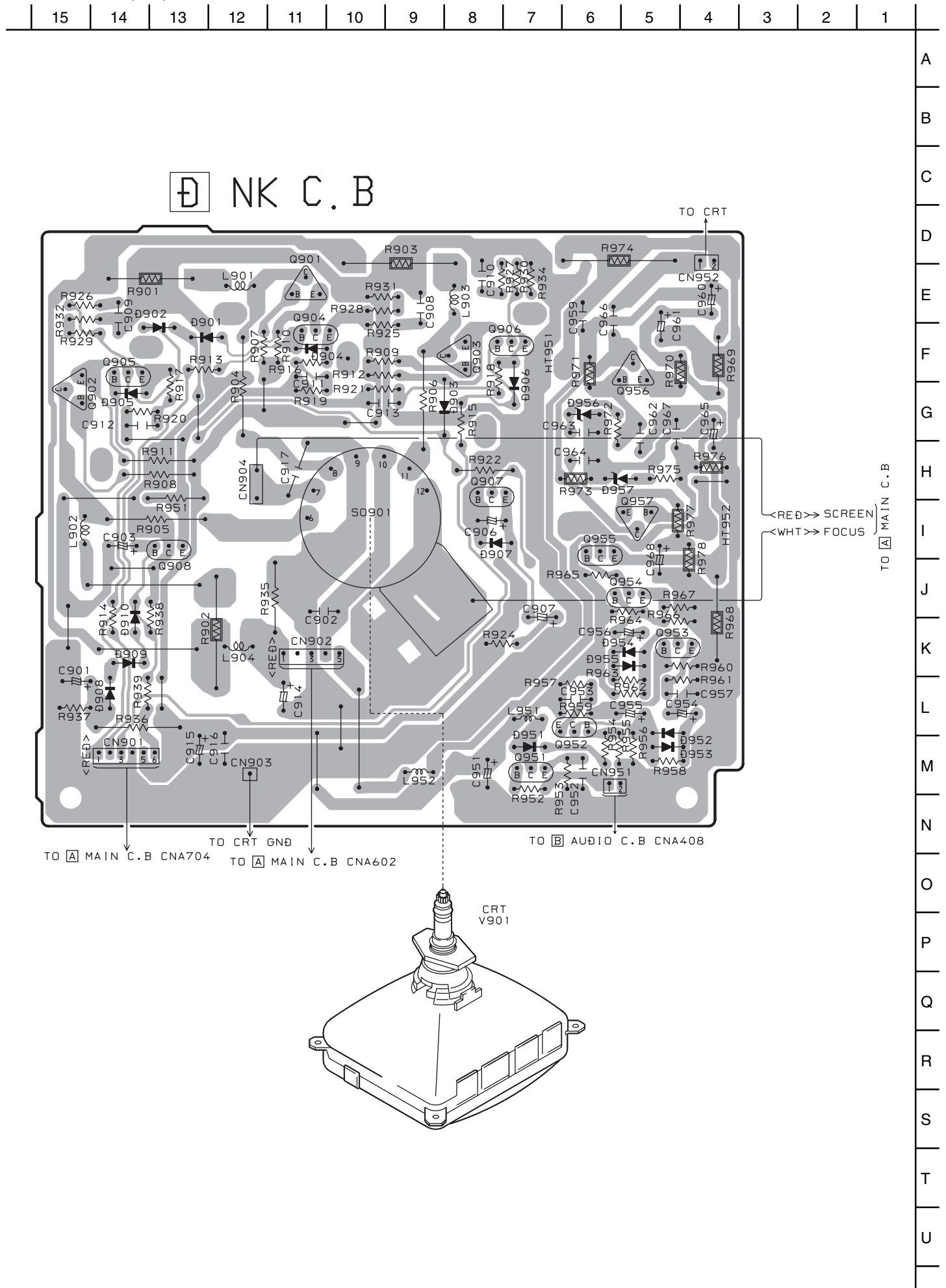


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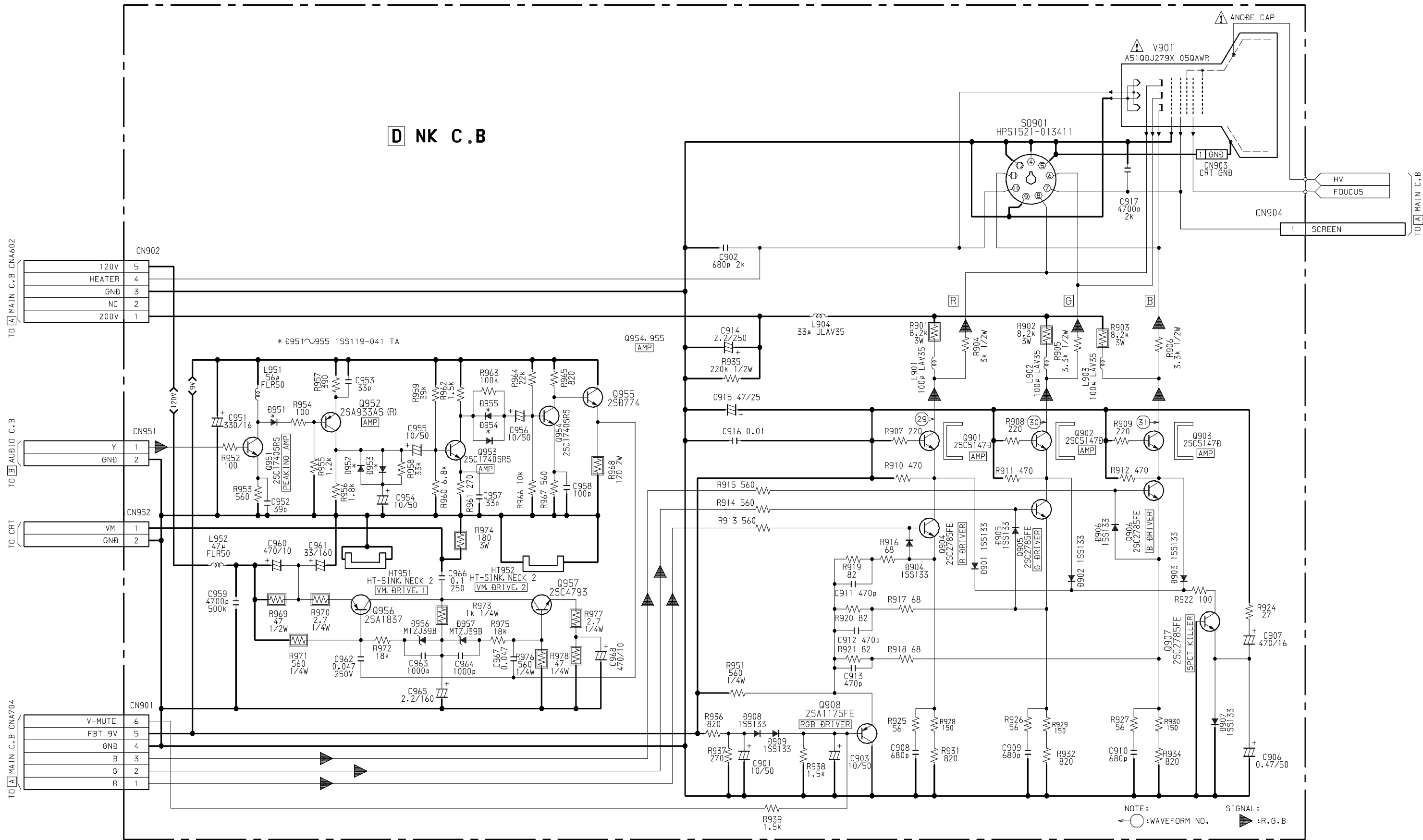




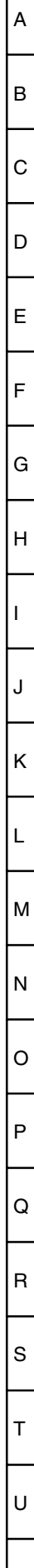
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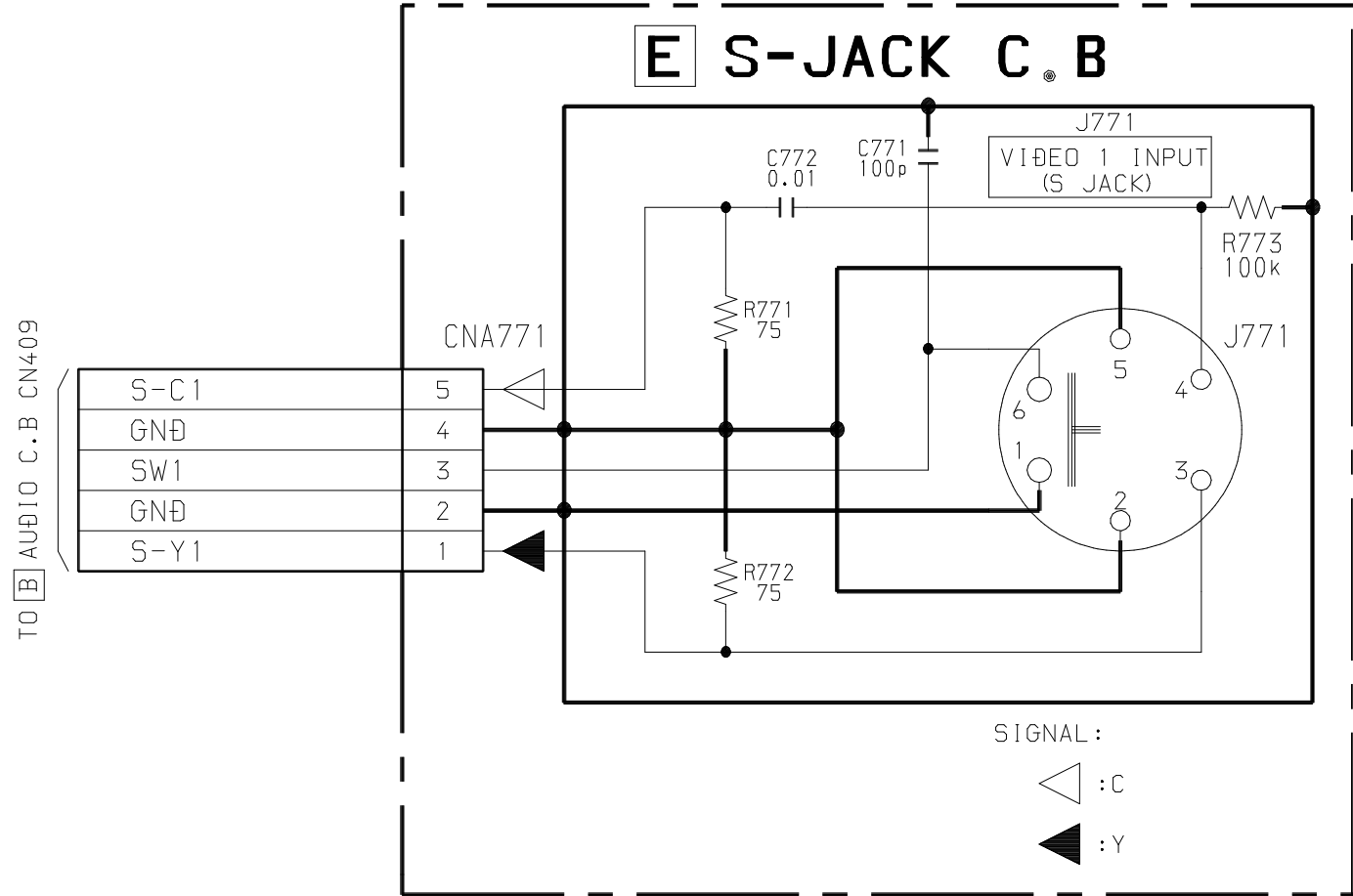
SCHEMATIC DIAGRAM-4 (NK)



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SCHEMATIC DIAGRAM – 5 (S-JACK)



## MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
4	8A-JET-003-010	KEY,MAIN	
6	8A-JE7-018-010	CABI,FR DC	
△ 14	8A-JE7-640-010	CRT,A51QDJ279X 05QAWR	
18	8A-JED-006-010	CABI,REAR DC BLK	

## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green		



アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111