

SERVICE MODE LIST

This unit provided with the following SERVICE MODES so you can repair, examine and adjust easily. To enter the Service Mode, press both set key and remote control key for more than 2 seconds.

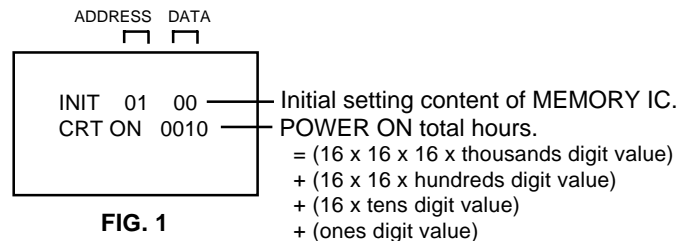
Set Key	Remocon Key	Operations
VOL. (-) MIN	0	Reset the user setting items (PICTURE, VOLUME and LANGUAGE) to the initial state for delivery.
VOL. (-) MIN	1	Initialization of the factory. NOTE: Do not use this for the normal servicing. If you set a factory initialization, the memories are reset such as the channel setting, and the POWER ON total hours.
VOL. (-) MIN	6	POWER ON total hours is displayed on the screen. Refer to the "CONFIRMATION OF HOURS USED". Can be checked of the INITIAL DATA of MEMORY IC. Refer to the "WHEN REPLACING EEPROM (MEMORY) IC".
VOL. (-) MIN	8	Writing of EEPROM initial data. NOTE: Do not use this for the normal servicing.
VOL. (-) MIN	9	Display of the Adjustment MENU on the screen. Refer to the "ELECTRICAL ADJUSTMENT" (On-Screen Display Adjustment).

CONFIRMATION OF HOURS USED

POWER ON total hours can be checked on the screen. Total hours are displayed in 16 system of notation.

NOTE: If you set a factory initialization, the total hours is reset to "0".

1. Set the VOLUME to minimum.
2. Press both VOL. DOWN button on the set and Channel button (6) on the remote control for more than 2 seconds.
3. After the confirmation of using hours, turn off the power.



WHEN REPLACING EEPROM (MEMORY) IC

If a service repair is undertaken where it has been required to change the MEMORY IC, the following steps should be taken to ensure correct data settings while making reference to TABLE 1.

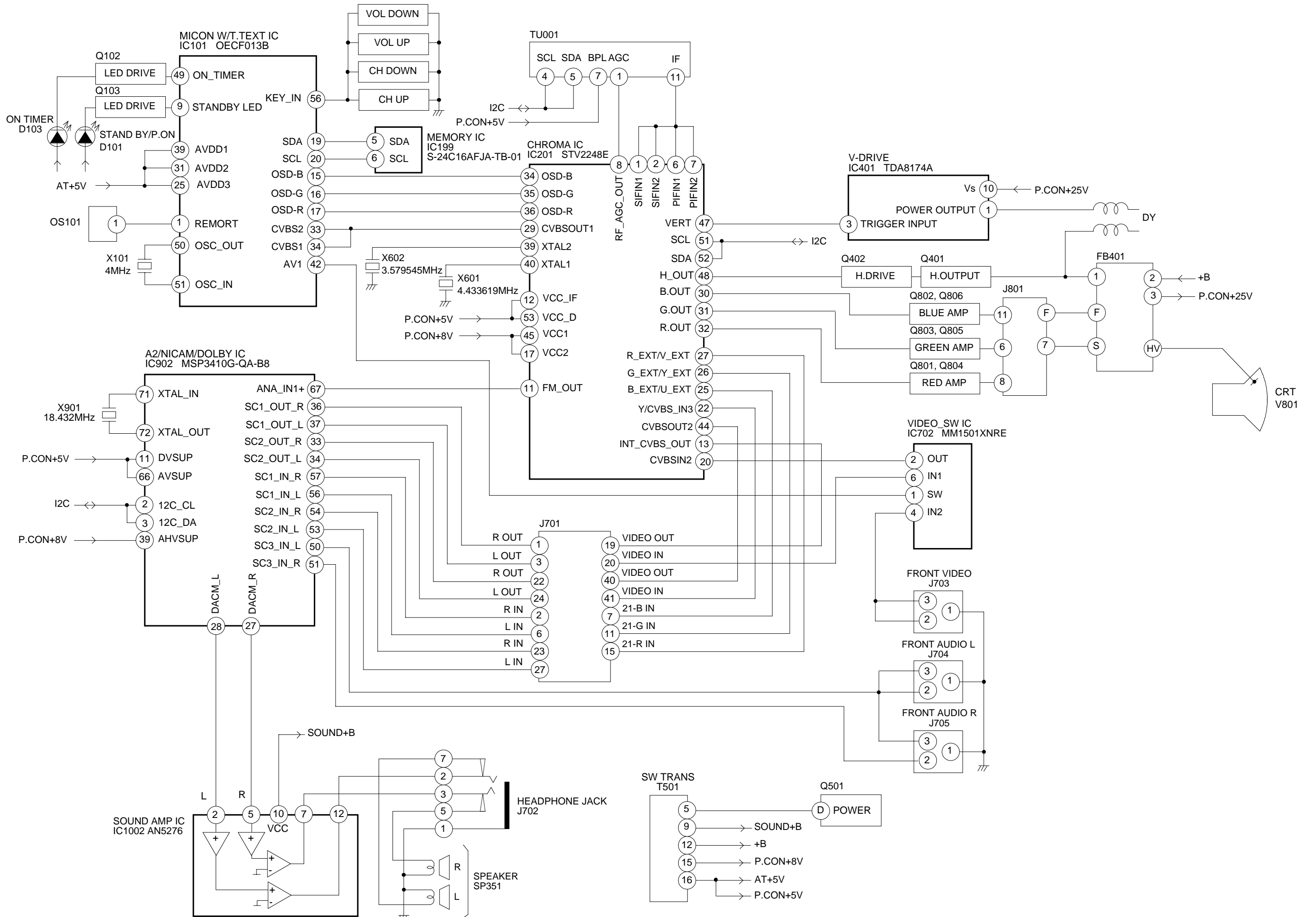
NOTE: No need setting for after INI 16 due to the adjustment value.

INI	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+A	+B	+C	+D	+E	+F
00	---	00	38	23	18	71	81	60	66	4E	73	07	03	00	06	73
10	10	00	90	90	90	BC	40	---	---	---	---	---	---	---	---	---

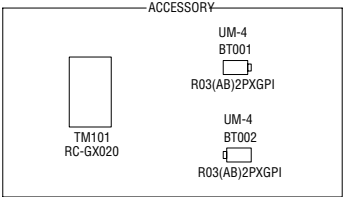
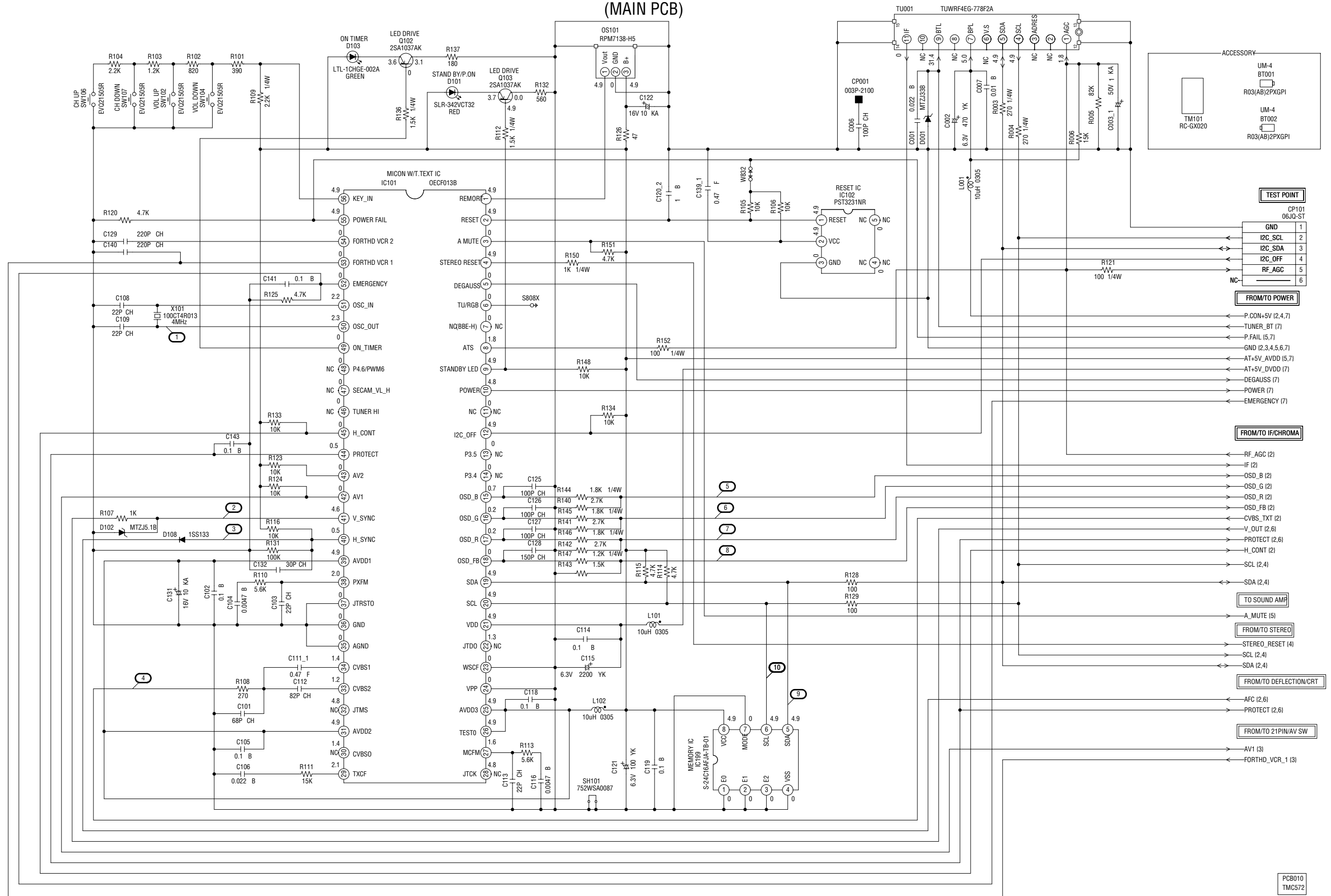
Table 1

1. Enter DATA SET mode by setting VOLUME to minimum.
 2. Press both VOL. DOWN button on the set and Channel button (6) on the remote control for more than 2 seconds. ADDRESS and DATA should appear as FIG 1.
 3. ADDRESS is now selected and should "blink". Using the VOL. +/- button on the remote, step through the ADDRESS until required ADDRESS to be changed is reached.
 4. Press OK to select DATA. When DATA is selected, it will "blink".
 5. Again, step through the DATA using VOL. +/- button until required DATA value has been selected.
 6. Pressing OK will take you back to ADDRESS for further selection if necessary.
 7. Repeat steps 3 to 6 until all data has been checked.
 8. When satisfied correct DATA has been entered, turn POWER off (return to STANDBY MODE) to finish DATA input.
After the data input, set to the initializing of shipping.
 9. Turn POWER on.
 10. Press both VOL. DOWN button on the set and Channel button (1) on the remote control for more than 2 seconds.
 11. After the finishing of the initializing of shipping, the unit will turn off automatically.
- The unit will now have the correct DATA for the new MEMORY IC.

BLOCK DIAGRAM



MICON/TUNER SCHEMATIC DIAGRAM (MAIN PCB)



TEST POINT

CP101	06JO-ST
GND	1
I2C_SCL	2
I2C_SDA	3
I2C_OFF	4
RF_AGC	5
NC	6

FROM/TO POWER

- ← P.CON+5V (2,4,7)
- ← TUNER_BT (7)
- ← P.FAIL (5,7)
- ← AT+5V_AVDD (5,7)
- ← AT+5V_DVDD (7)
- ← DEGAUSS (7)
- ← POWER (7)
- ← EMERGENCY (7)

FROM/TO IF/CHROMA

- ← RF_AGC (2)
- ← IF (2)
- ← OSD_B (2)
- ← OSD_G (2)
- ← OSD_R (2)
- ← OSD_FB (2)
- ← CVBS_TXT (2)
- ← V_OUT (2,6)
- ← PROTECT (2,6)
- ← H_CONT (2)
- ← SCL (2,4)
- ← SDA (2,4)

TO SOUND AMP

- ← A_MUTE (5)

FROM/TO STEREO

- ← STEREO_RESET (4)
- ← SCL (2,4)
- ← SDA (2,4)

FROM/TO DEFLECTION/CRT

- ← AFC (2,6)
- ← PROTECT (2,6)

FROM/TO 21PIN/AV SW

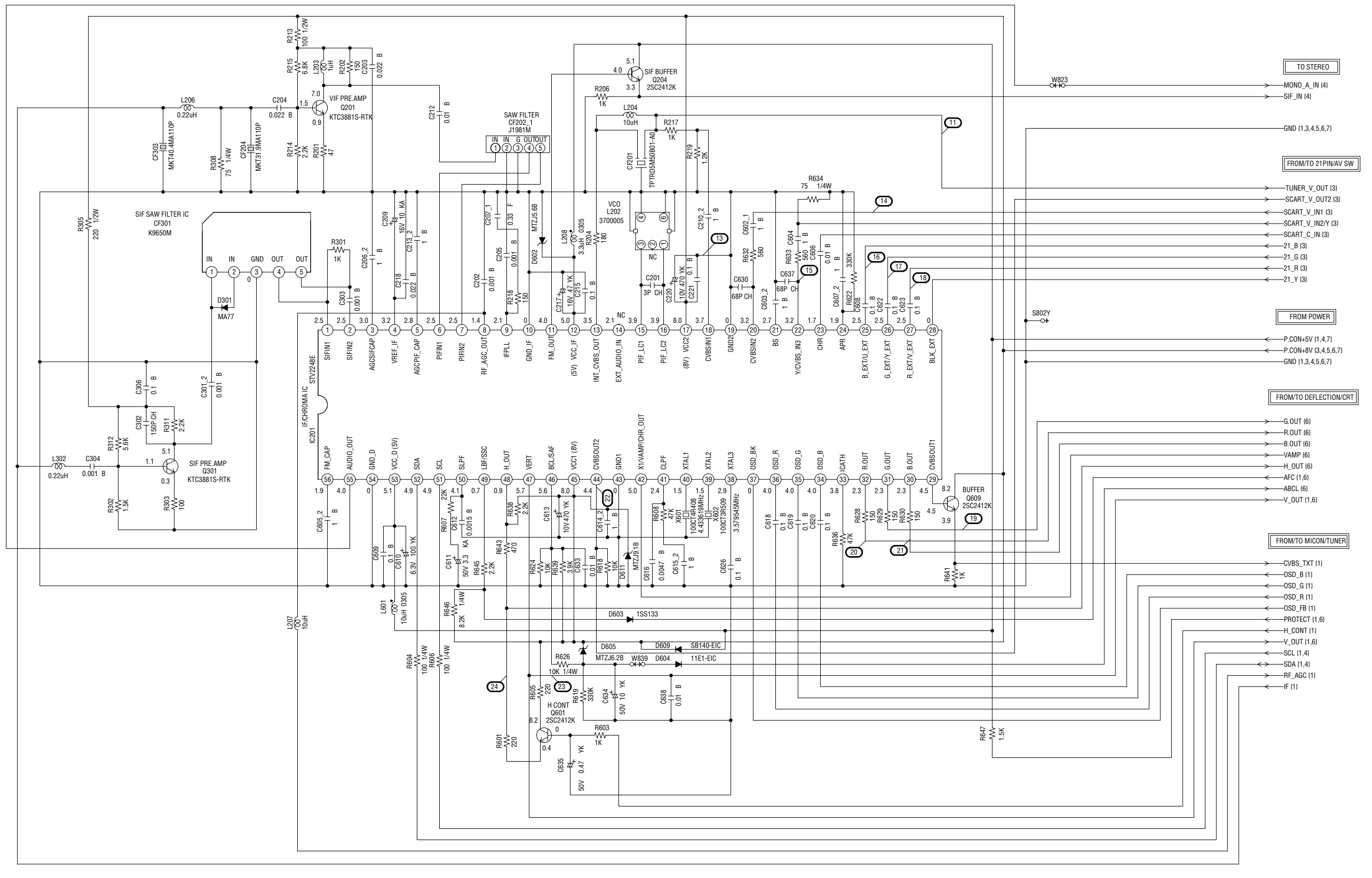
- ← AV1 (3)
- ← FORTH_VCR_1 (3)

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

PCB010
TMC572

IF/CHROMA SCHEMATIC DIAGRAM (MAIN PCB)

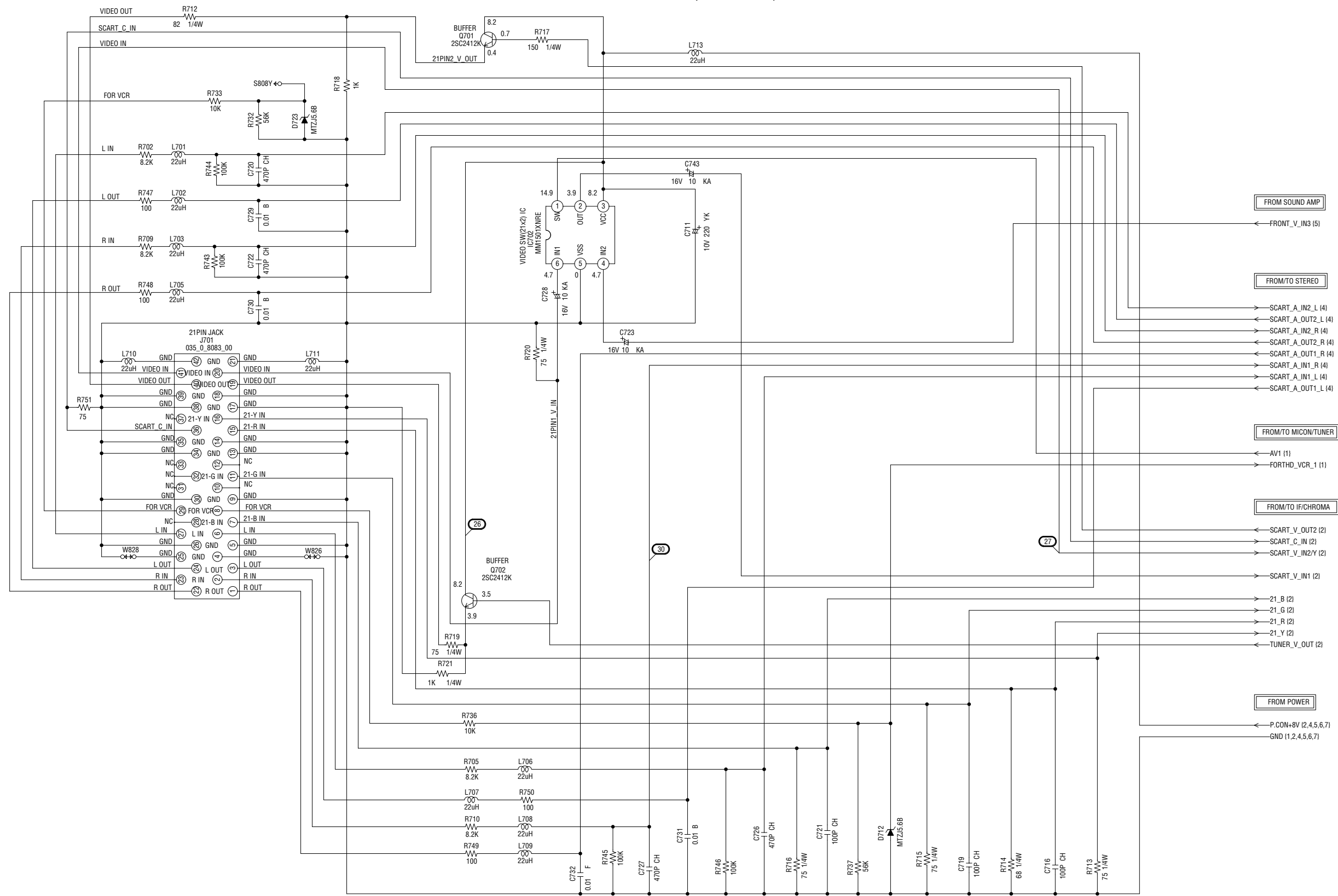


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCB010
TMC572

21PIN/AV SW SCHEMATIC DIAGRAM (MAIN PCB)



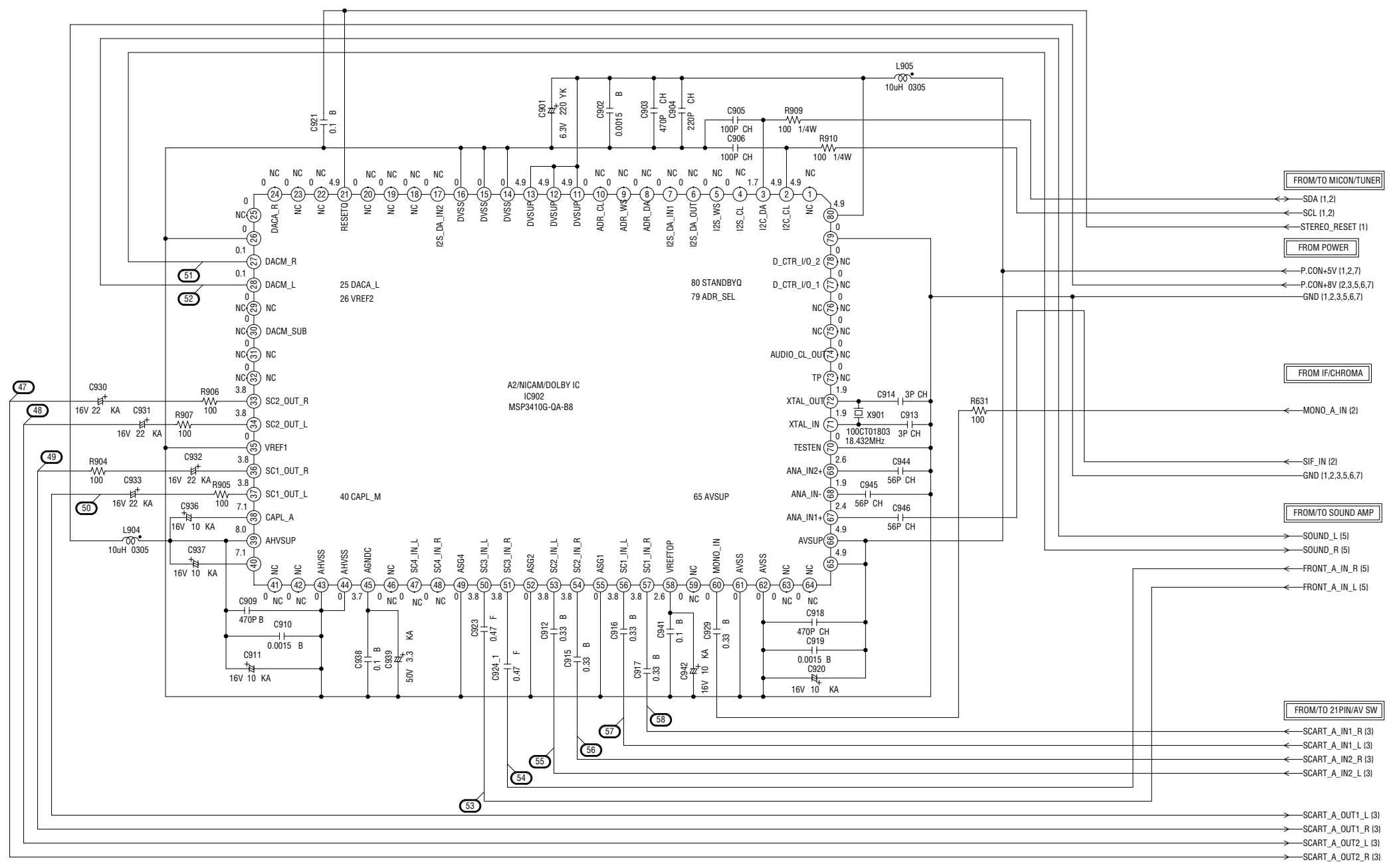
- FROM SOUND AMP
- ← FRONT_V_IN3 (5)
- FROM/TO STEREO
- SCART_A_IN2_L (4)
- ← SCART_A_OUT2_L (4)
- SCART_A_IN2_R (4)
- ← SCART_A_OUT2_R (4)
- SCART_A_IN1_R (4)
- ← SCART_A_IN1_L (4)
- ← SCART_A_OUT1_L (4)
- FROM/TO MICON/TUNER
- ← AV1 (1)
- FORTH_VCR_1 (1)
- FROM/TO IF/CHROMA
- ← SCART_V_OUT2 (2)
- SCART_C_IN (2)
- SCART_V_IN2/Y (2)
- SCART_V_IN1 (2)
- 21_B (2)
- 21_G (2)
- 21_R (2)
- 21_Y (2)
- ← TUNER_V_OUT (2)
- FROM POWER
- ← P.CON+8V (2,4,5,6,7)
- ← GND (1,2,4,5,6,7)

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PCB010
TMC572

STEREO SCHEMATIC DIAGRAM (MAIN PCB)

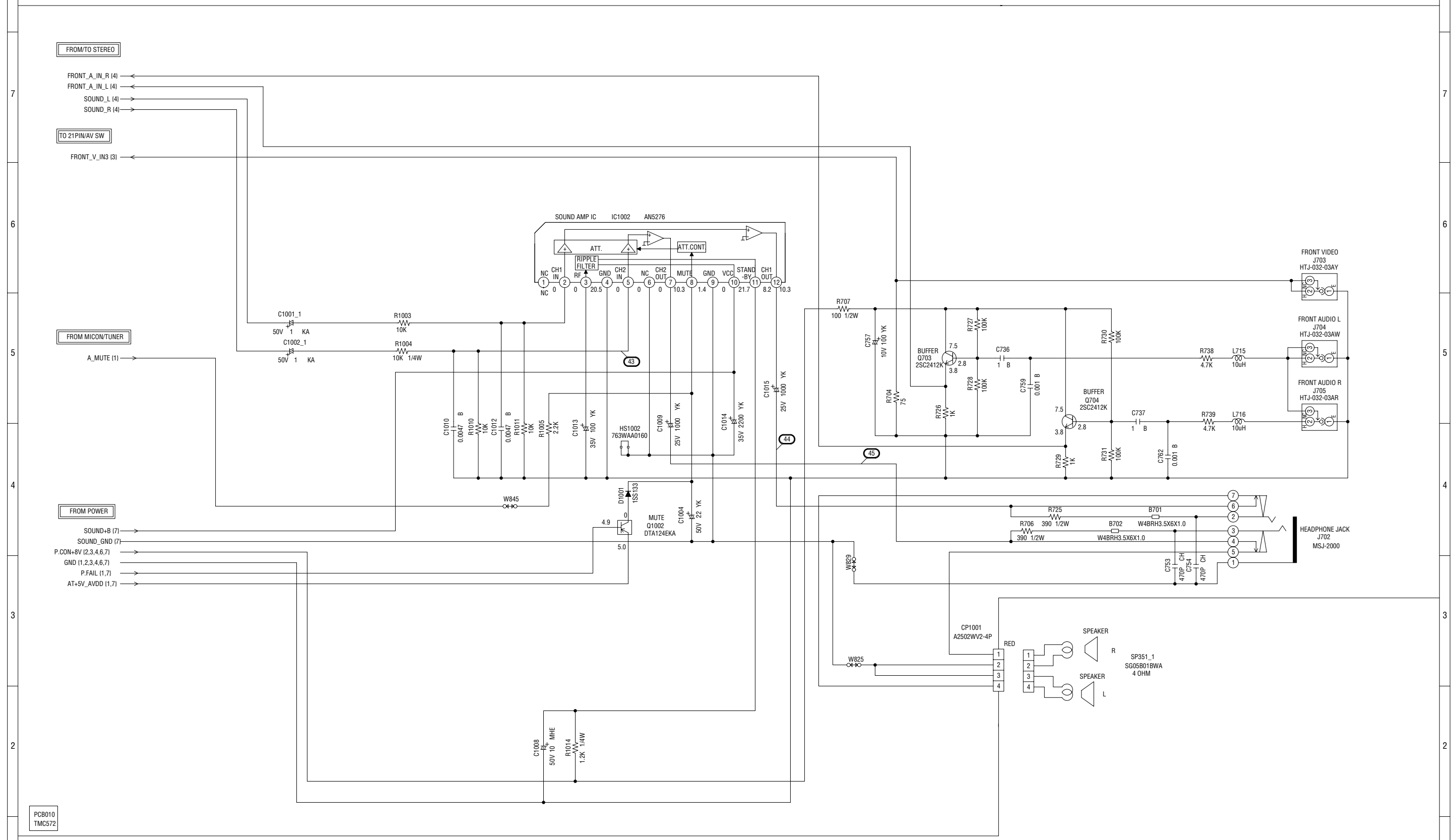


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

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PC8010
TMC572

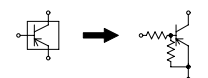
SOUND AMP SCHEMATIC DIAGRAM (MAIN PCB)



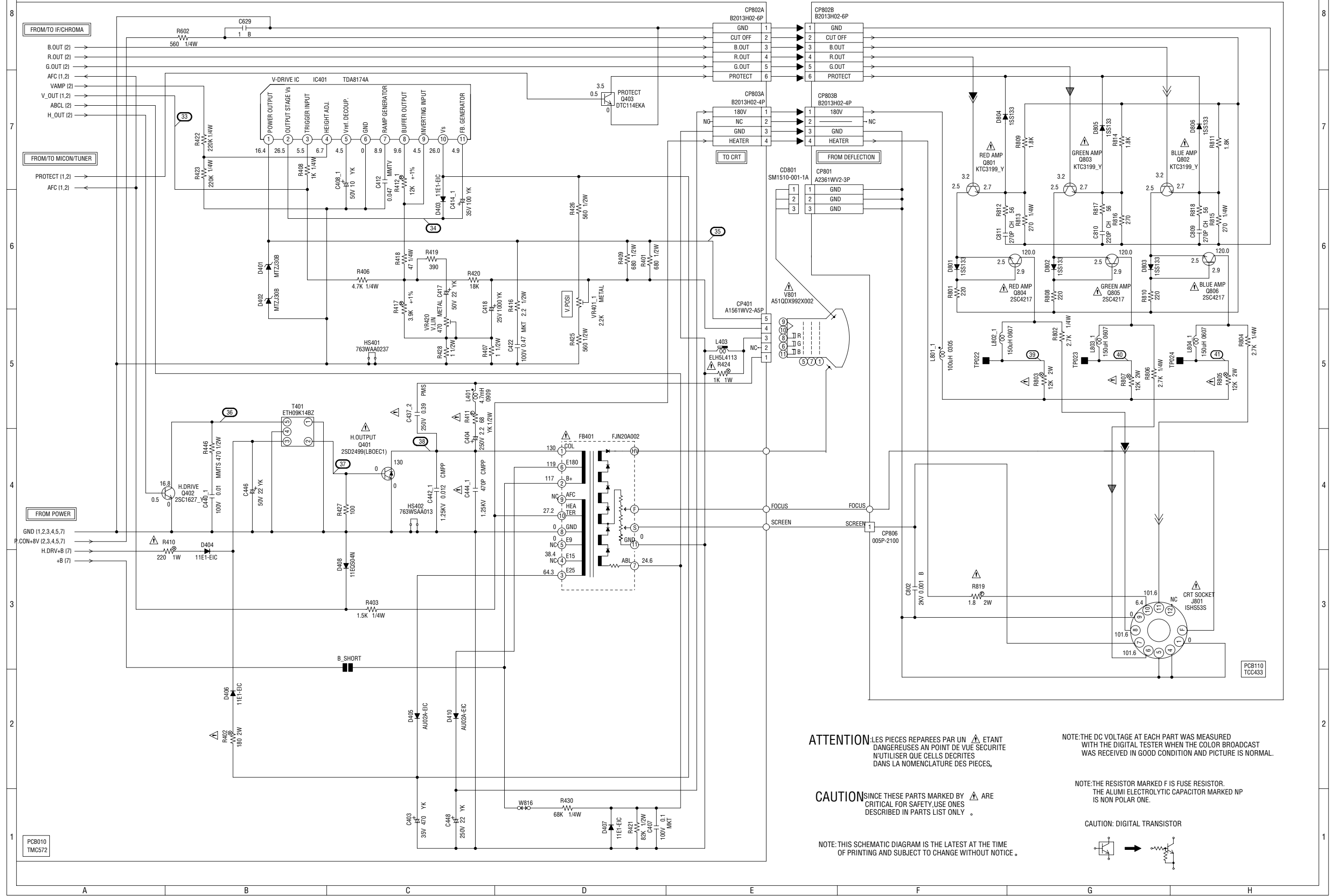
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR



DEFLECTION/CRT SCHEMATIC DIAGRAM (MAIN PCB)



ATTENTION: LES PIÈCES REPAREES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIÈCES.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

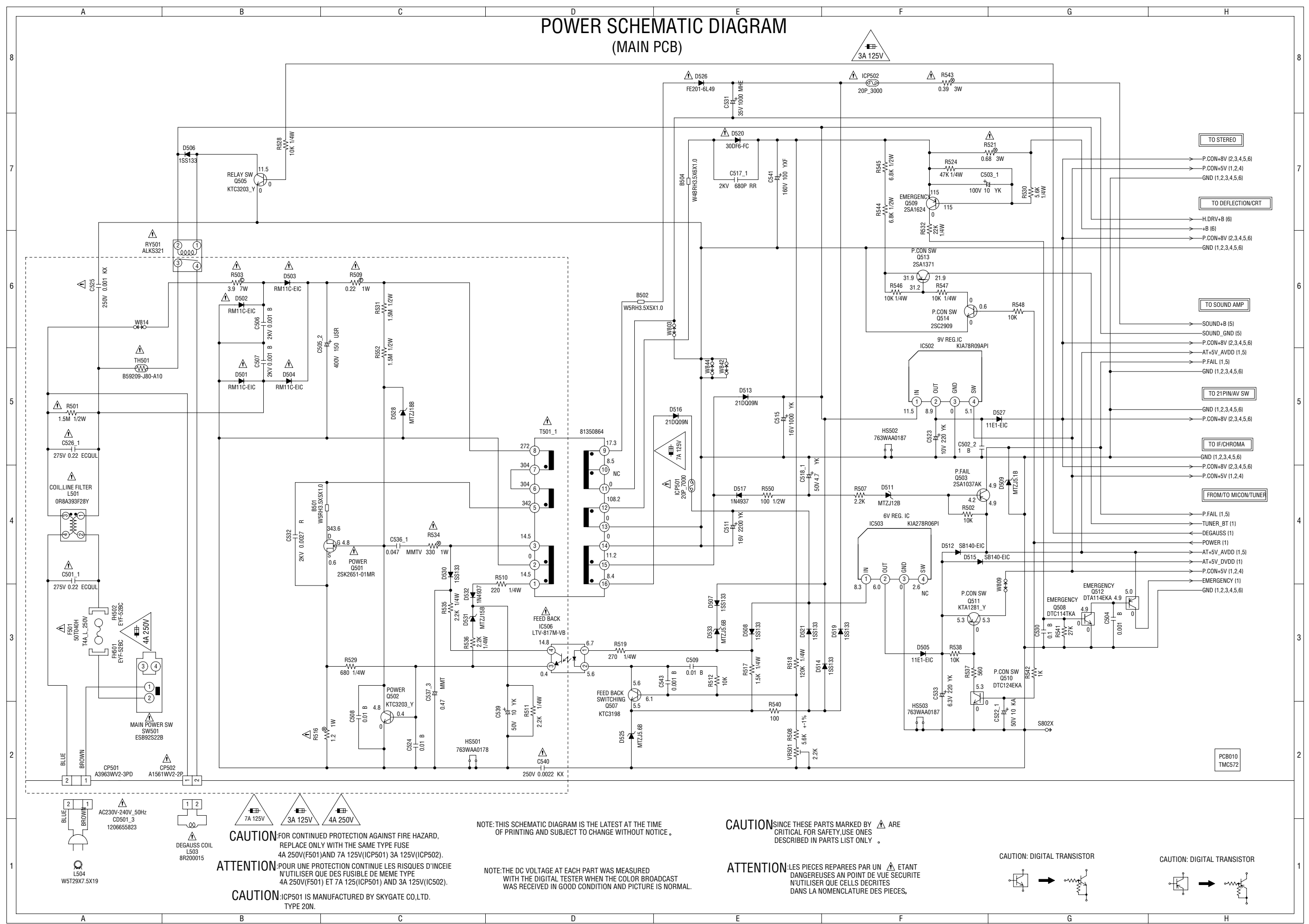
NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

CAUTION: DIGITAL TRANSISTOR



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POWER SCHEMATIC DIAGRAM (MAIN PCB)



CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE
4A 250V(F501) AND 7A 125V(ICP501) 3A 125V(ICP502).

ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE N'UTILISER QUE DES FUSIBLE DE MEME TYPE
4A 250V(F501) ET 7A 125V(ICP501) AND 3A 125V(IC502).

CAUTION: ICP501 IS MANUFACTURED BY SKYGATE CO.,LTD. TYPE 20N.

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CAUTION: SINCE THESE PARTS MARKED WITH ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

ATTENTION: LES PIECES REPARÉES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

CAUTION: DIGITAL TRANSISTOR

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