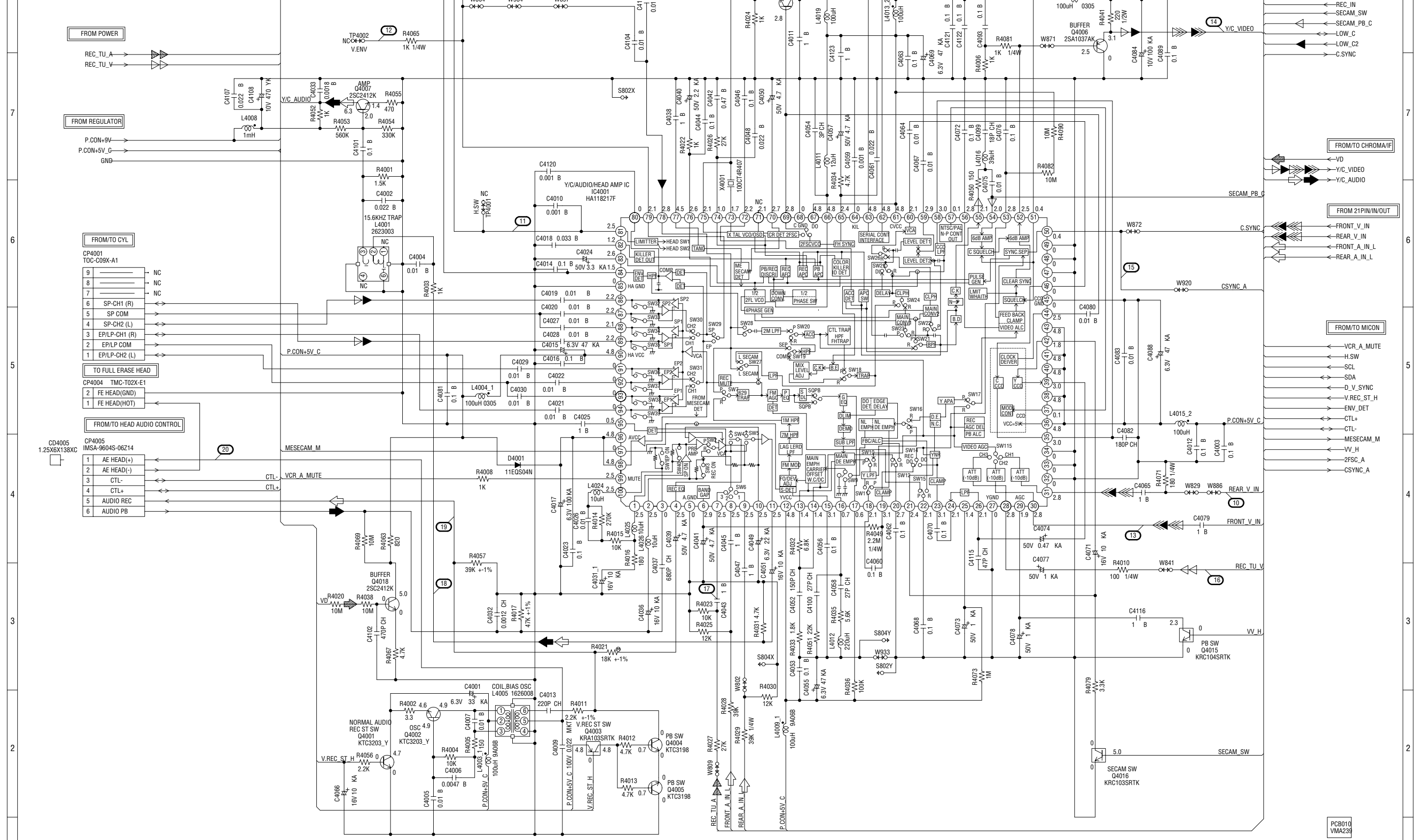


Y/C/AUDIO/HEAD AMP SCHEMATIC DIAGRAM (SYSCON PCB)



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

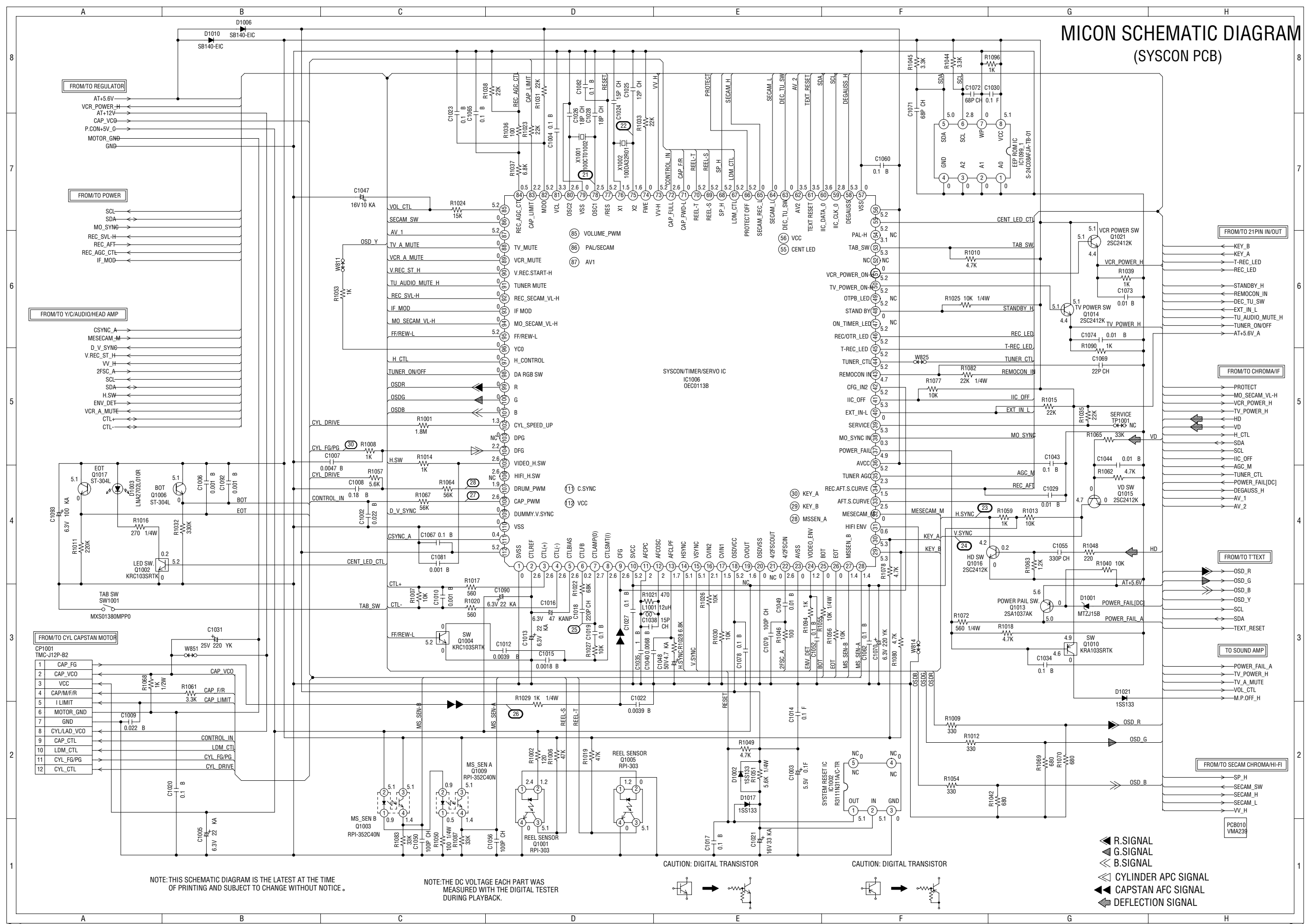
NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR

CAUTION: DIGITAL TRANSISTOR

- ◀ RECORD LUMINANCE SIGNAL
- ▶ PLAYBACK LUMINANCE SIGNAL
- ◀ RECORD COLOR SIGNAL
- ▶ PLAYBACK COLOR SIGNAL
- ◀ TUNER VIDEO SIGNAL
- ▶ AUDIO SIGNAL (REC)
- ◀ AUDIO SIGNAL (PB)
- ▶ DEFLECTION SIGNAL

MICON SCHEMATIC DIAGRAM (SYSCON PCB)

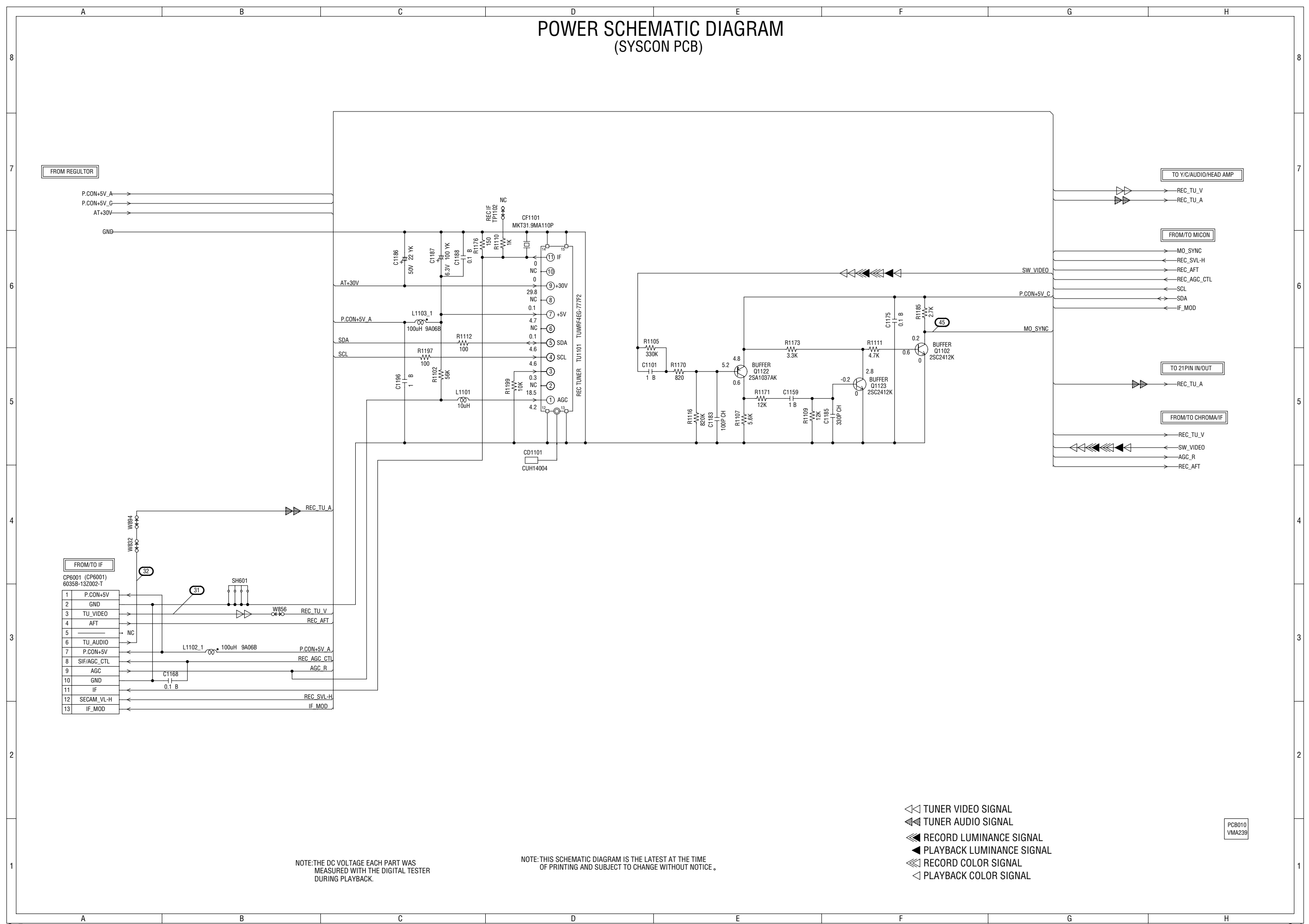


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

- ◀ R.SIGNAL
- ▲ G.SIGNAL
- ◀ B.SIGNAL
- ◀ CYLINDER APC SIGNAL
- ◀ CAPSTAN AFC SIGNAL
- ◀ DEFLECTION SIGNAL

POWER SCHEMATIC DIAGRAM (SYSCON PCB)



FROM REGULATOR

TO Y/C/AUDIO/HEAD AMP

FROM/TO MICON

TO 21PIN IN/OUT

FROM/TO CHROMA/IF

FROM/TO IF

1	P.CON+5V
2	GND
3	TU_VIDEO
4	AFT
5	NC
6	TU_AUDIO
7	P.CON+5V
8	SIF/AGC_CTL
9	AGC
10	GND
11	IF
12	SECAM_VL-H
13	IF_MOD

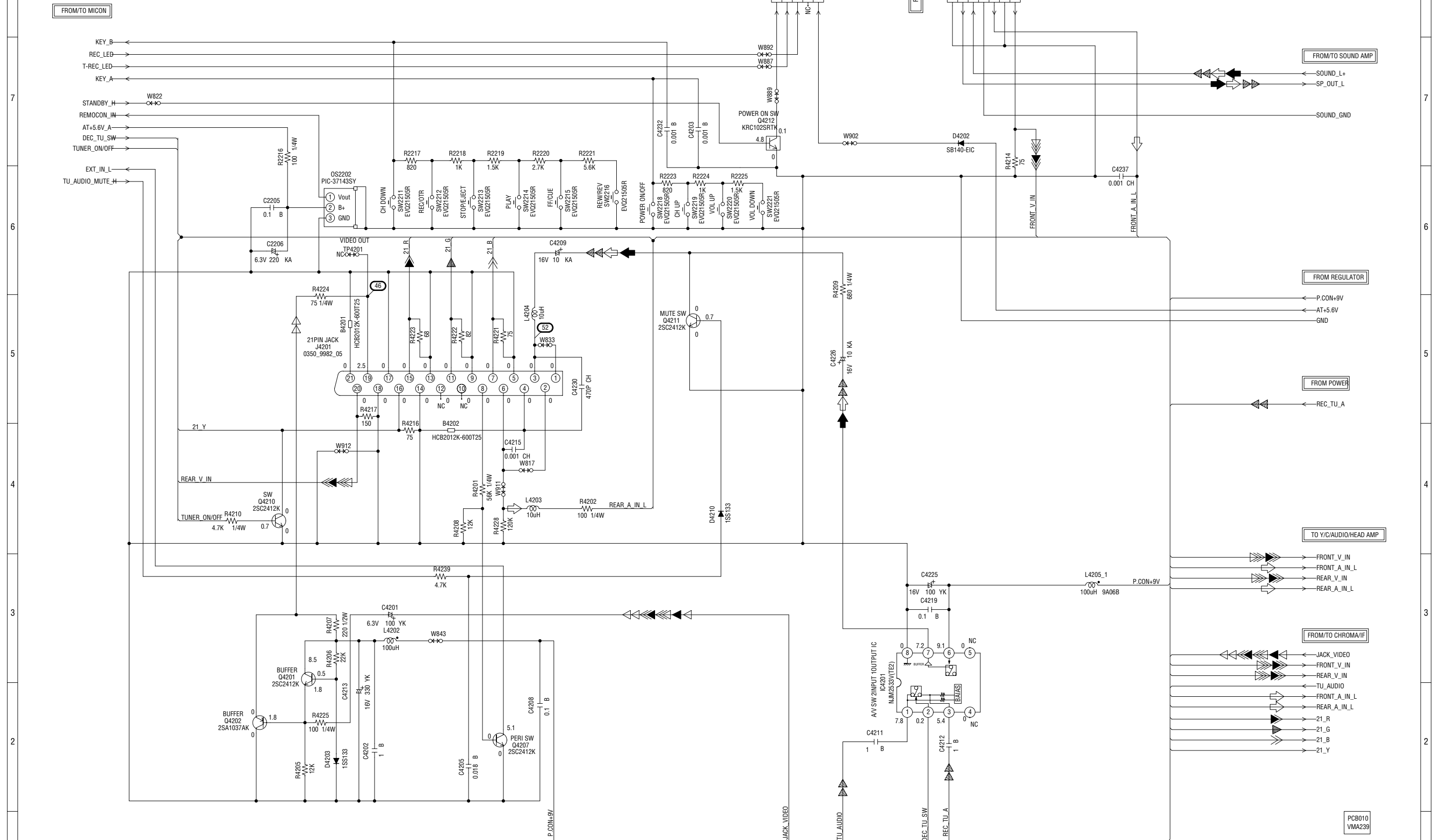
NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

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

- ◁▷ TUNER VIDEO SIGNAL
- ▶▷ TUNER AUDIO SIGNAL
- ◁▷ RECORD LUMINANCE SIGNAL
- ▶▷ PLAYBACK LUMINANCE SIGNAL
- ◁▷ RECORD COLOR SIGNAL
- ▶▷ PLAYBACK COLOR SIGNAL

PC8010
VMA239

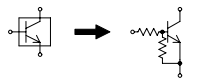
21PIN IN/OUT SCHEMATIC DIAGRAM (SYSCON PCB)



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

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR

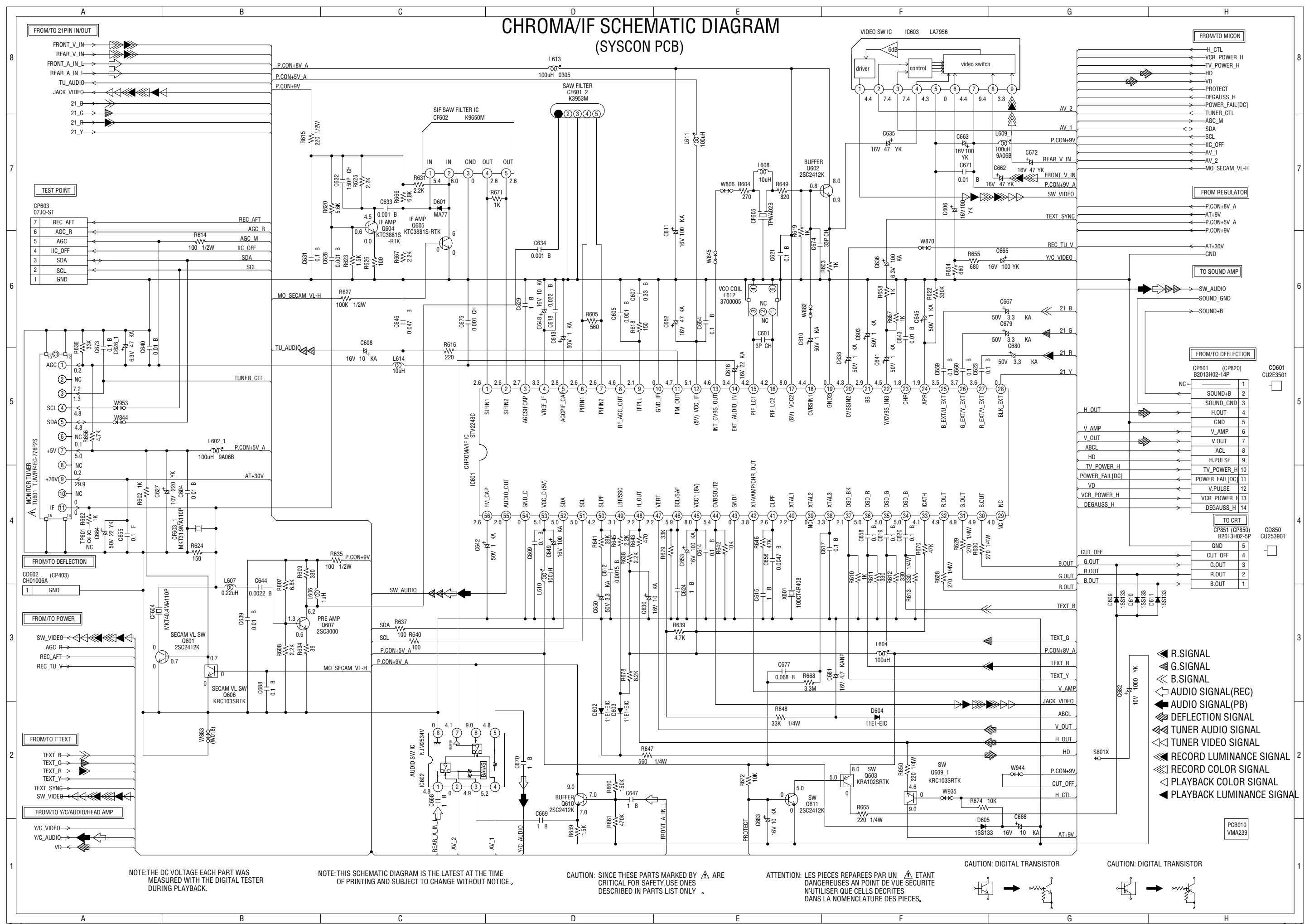


- ◀ AUDIO SIGNAL (REC)
- ▶ AUDIO SIGNAL (PB)
- ◀ TUNER VIDEO SIGNAL
- ▶ TUNER AUDIO SIGNAL

- ◀ RECORD LUMINANCE SIGNAL
- ▶ RECORD COLOR SIGNAL
- ◀ PLAYBACK LUMINANCE SIGNAL
- ▶ PLAYBACK COLOR SIGNAL

- ◀ R.SIGNAL
- ◀ G.SIGNAL
- ◀ B.SIGNAL

CHROMA/IF SCHEMATIC DIAGRAM (SYSCON PCB)



NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

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

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

ATTENTION: LES PIÈCES RÉPARÉES PAR UN ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

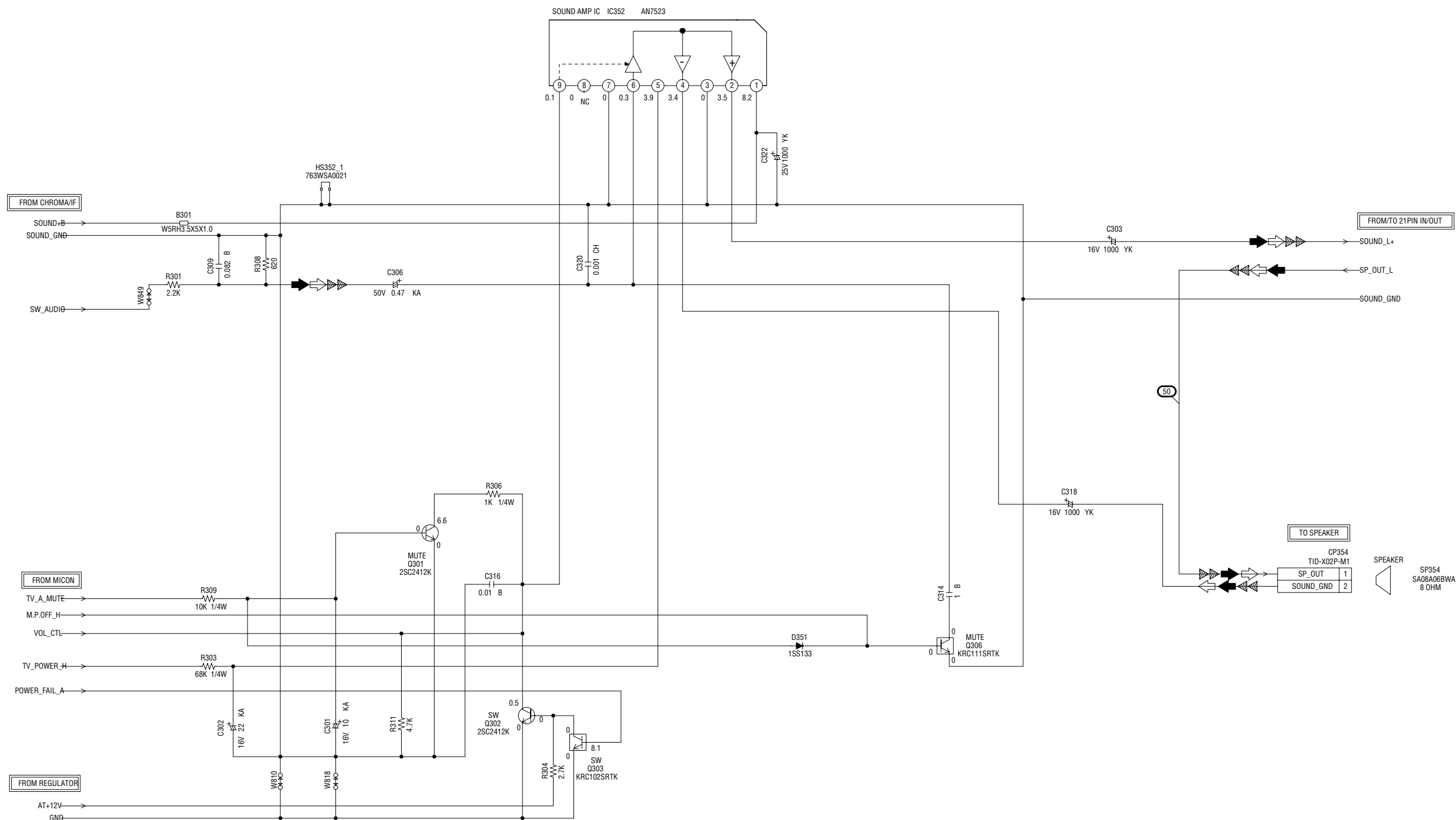
CAUTION: DIGITAL TRANSISTOR

CAUTION: DIGITAL TRANSISTOR



- R.SIGNAL
- G.SIGNAL
- B.SIGNAL
- AUDIO SIGNAL(REC)
- AUDIO SIGNAL(PB)
- DEFLECTION SIGNAL
- TUNER AUDIO SIGNAL
- TUNER VIDEO SIGNAL
- RECORD LUMINANCE SIGNAL
- RECORD COLOR SIGNAL
- PLAYBACK COLOR SIGNAL
- PLAYBACK LUMINANCE SIGNAL

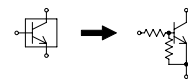
SOUND AMP SCHEMATIC DIAGRAM (SYSCON PCB)



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

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR



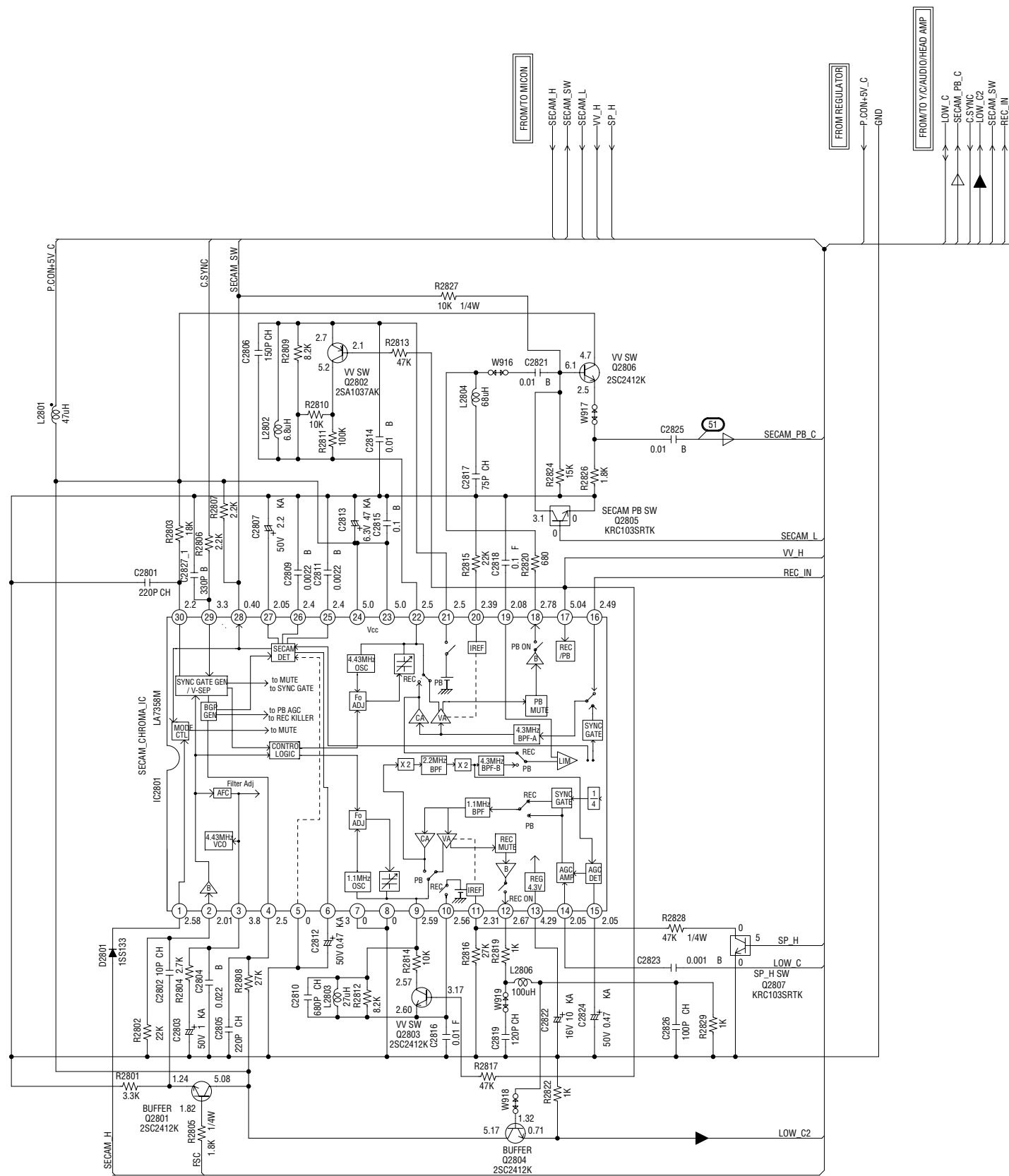
▶ TUNER AUDIO SIGNAL

◀ AUDIO SIGNAL(REC)

◀ AUDIO SIGNAL(PB)

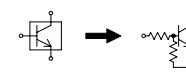
PCB010
VMA239

SECAM CHROMA/HI-FI SCHEMATIC DIAGRAM (SYSCON PCB)



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

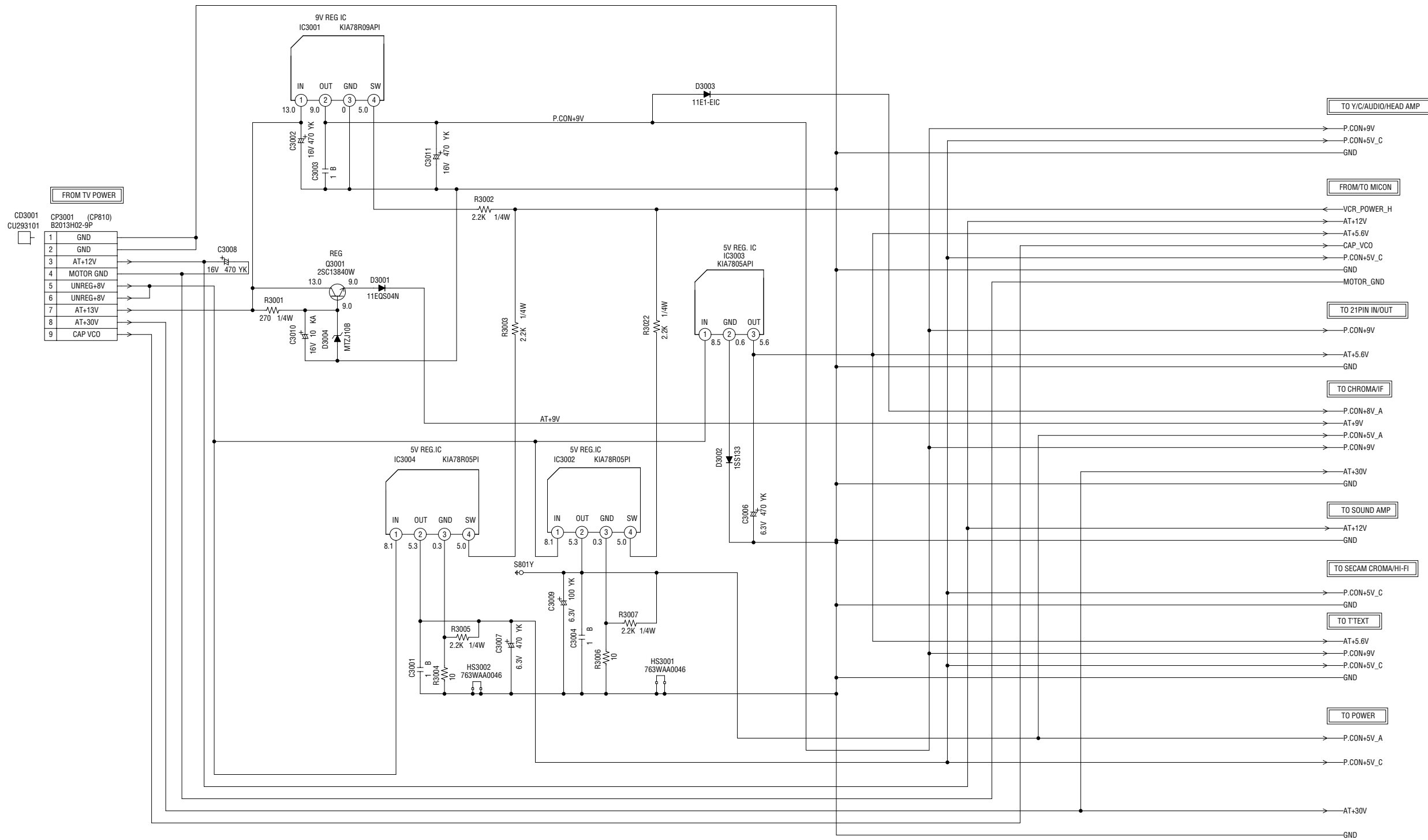
CAUTION: DIGITAL TRANSISTOR



◀ PLAYBACK LUMINANCE SIGNAL
◁ PLAYBACK COLOR SIGNAL

PCB010
VMA239

REGULATOR SCHEMATIC DIAGRAM (SYSCON PCB)



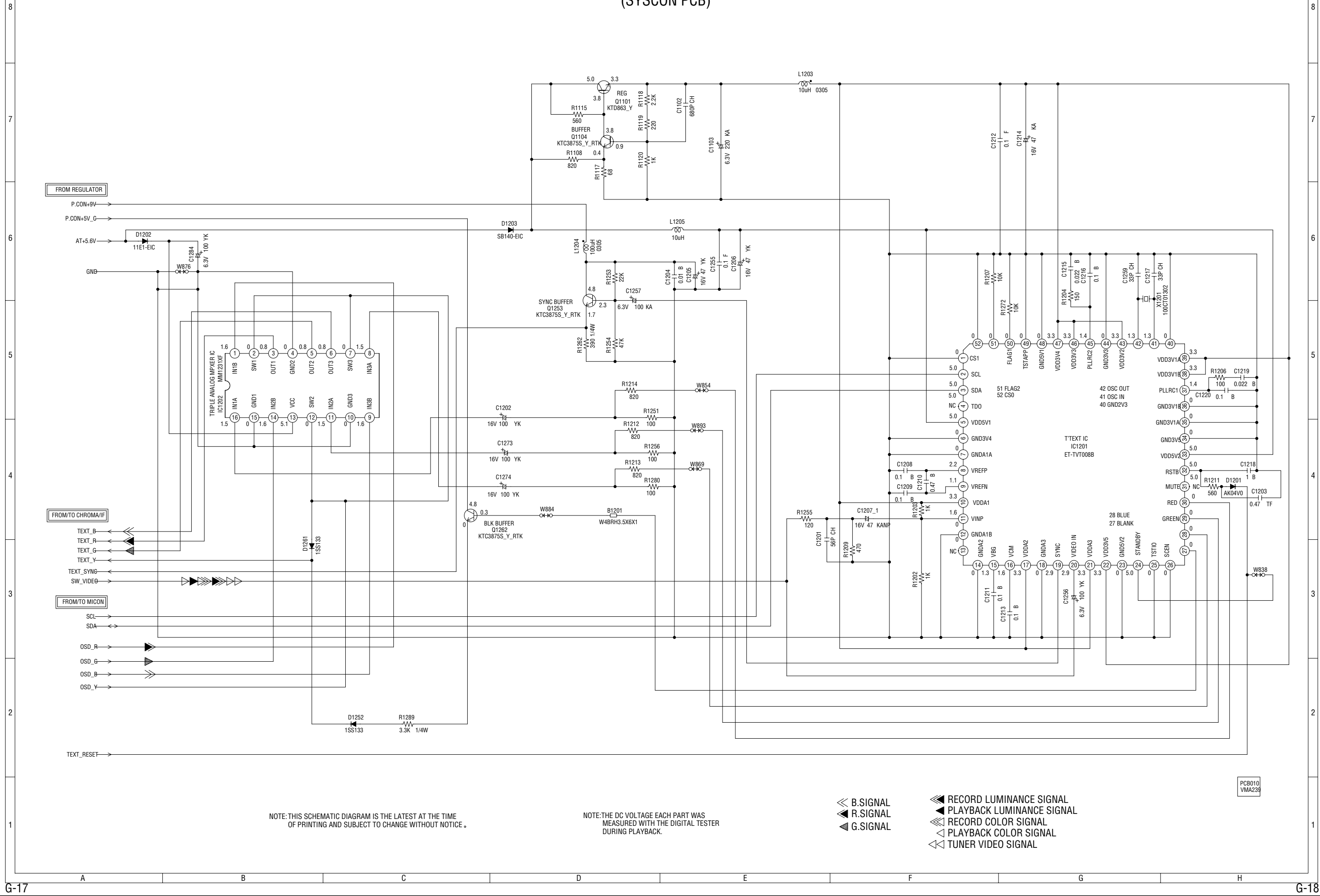
FROM TV POWER	
1	GND
2	GND
3	AT+12V
4	MOTOR GND
5	UNREG+8V
6	UNREG+8V
7	AT+13V
8	AT+30V
9	CAP VCO

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

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

PCB010
VMA239

T'TEXT SCHEMATIC DIAGRAM (SYSCON PCB)



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

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

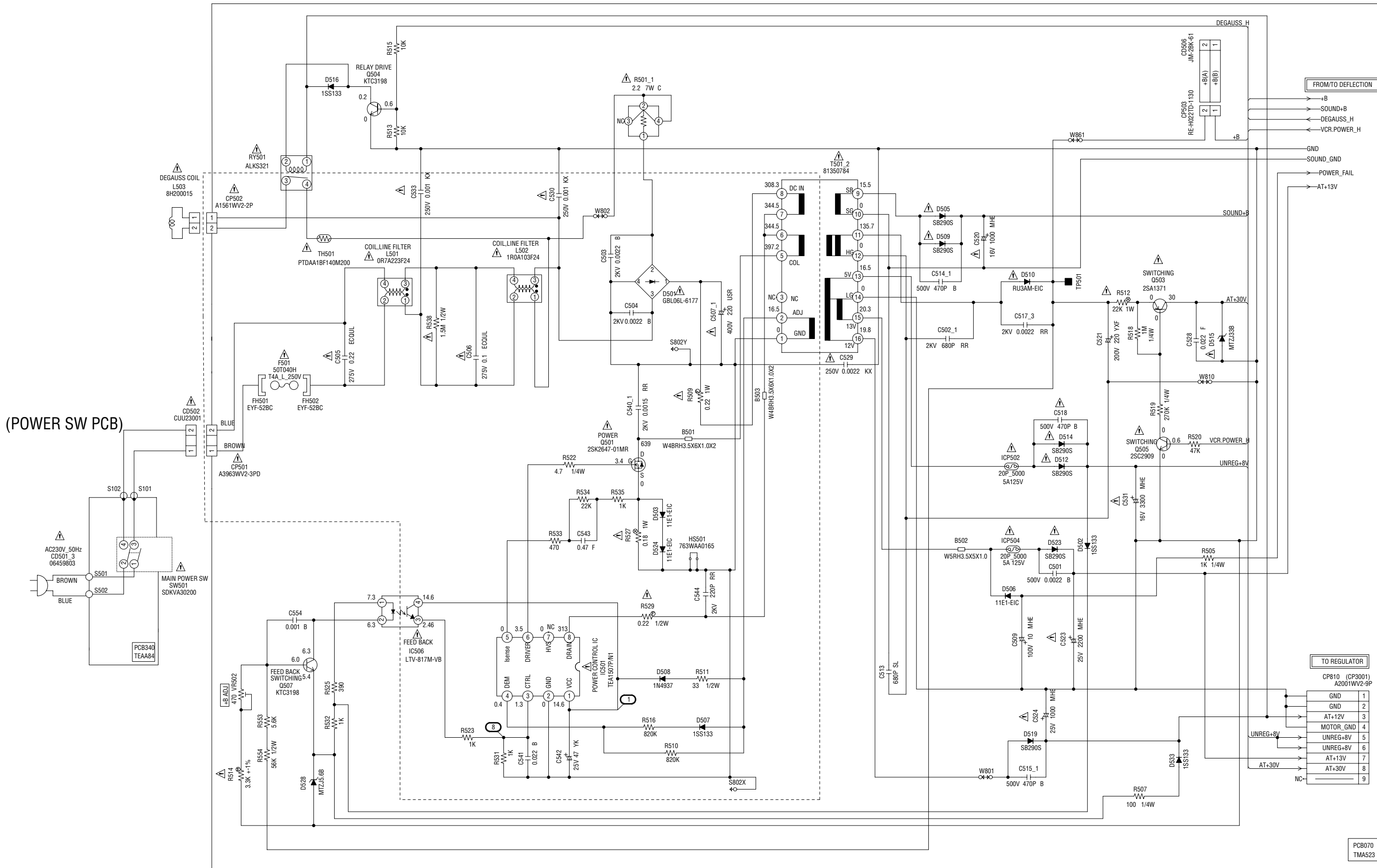
- ◀ B.SIGNAL
- ▶ R.SIGNAL
- ▲ G.SIGNAL

- ◀ RECORD LUMINANCE SIGNAL
- ▶ PLAYBACK LUMINANCE SIGNAL
- ▲ RECORD COLOR SIGNAL
- ▶ PLAYBACK COLOR SIGNAL
- ◀ TUNER VIDEO SIGNAL

PCB010
VMA239

TV POWER SCHEMATIC DIAGRAM (MAIN PCB)

(POWER SW PCB)



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

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.

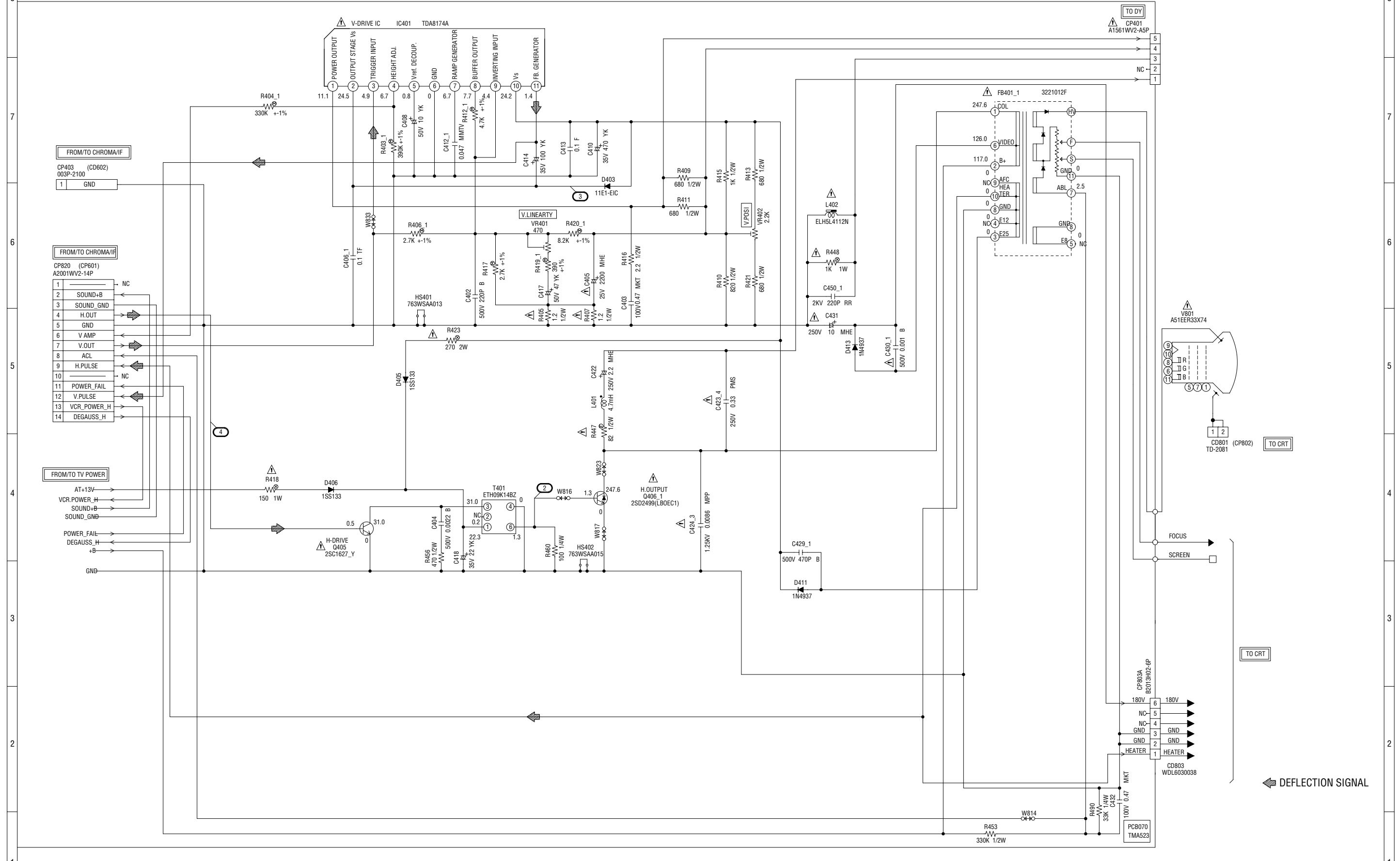
CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

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

TO REGULATOR	
CP810 (CP3001) A2001WV2-9P	
GND	1
GND	2
AT+12V	3
MOTOR_GND	4
UNREG+8V	5
UNREG+8V	6
AT+13V	7
AT+30V	8
NC	9

PCB070 TMA523

DEFLECTION SCHEMATIC DIAGRAM (MAIN PCB)



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.

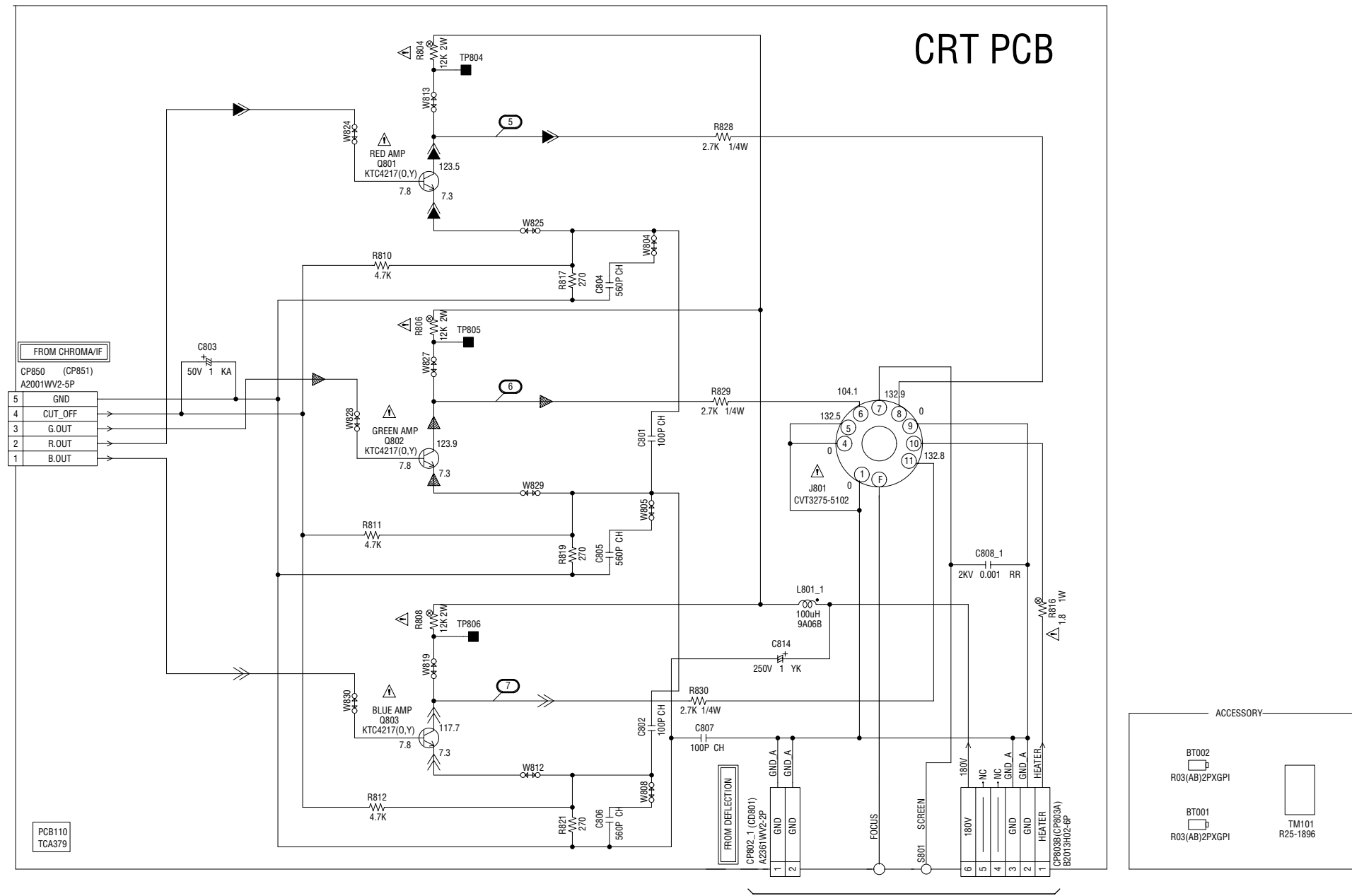
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

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

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

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

CRT SCHEMATIC DIAGRAM (CRT PCB)



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.

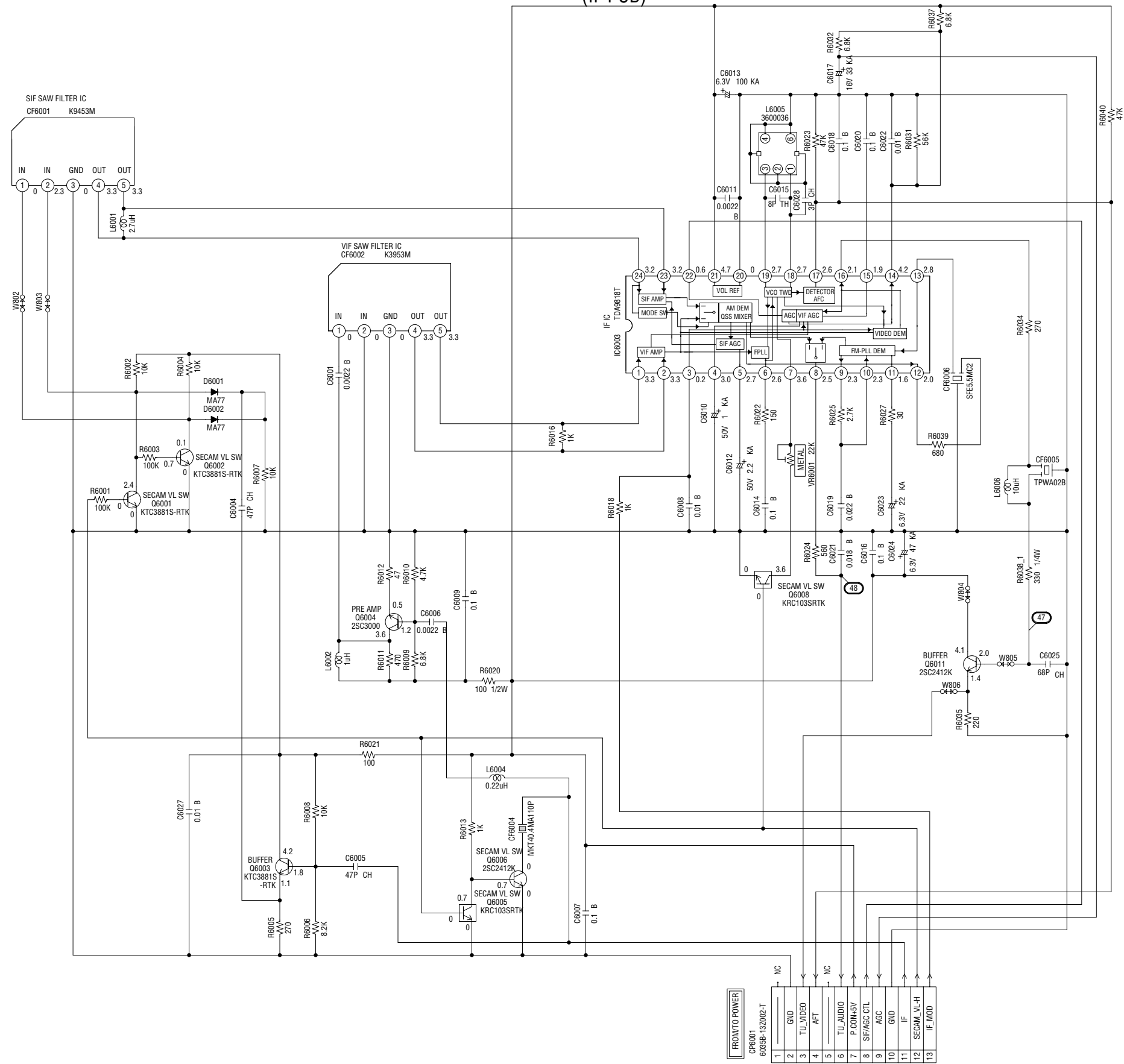
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

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

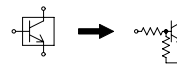
ATTENTION: LES PIECES REPARÉES PAR UN ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIECES.

◀ R.SIGNAL
 ▲ G.SIGNAL
 << B.SIGNAL

IF SCHEMATIC DIAGRAM (IF PCB)



CAUTION: DIGITAL TRANSISTOR

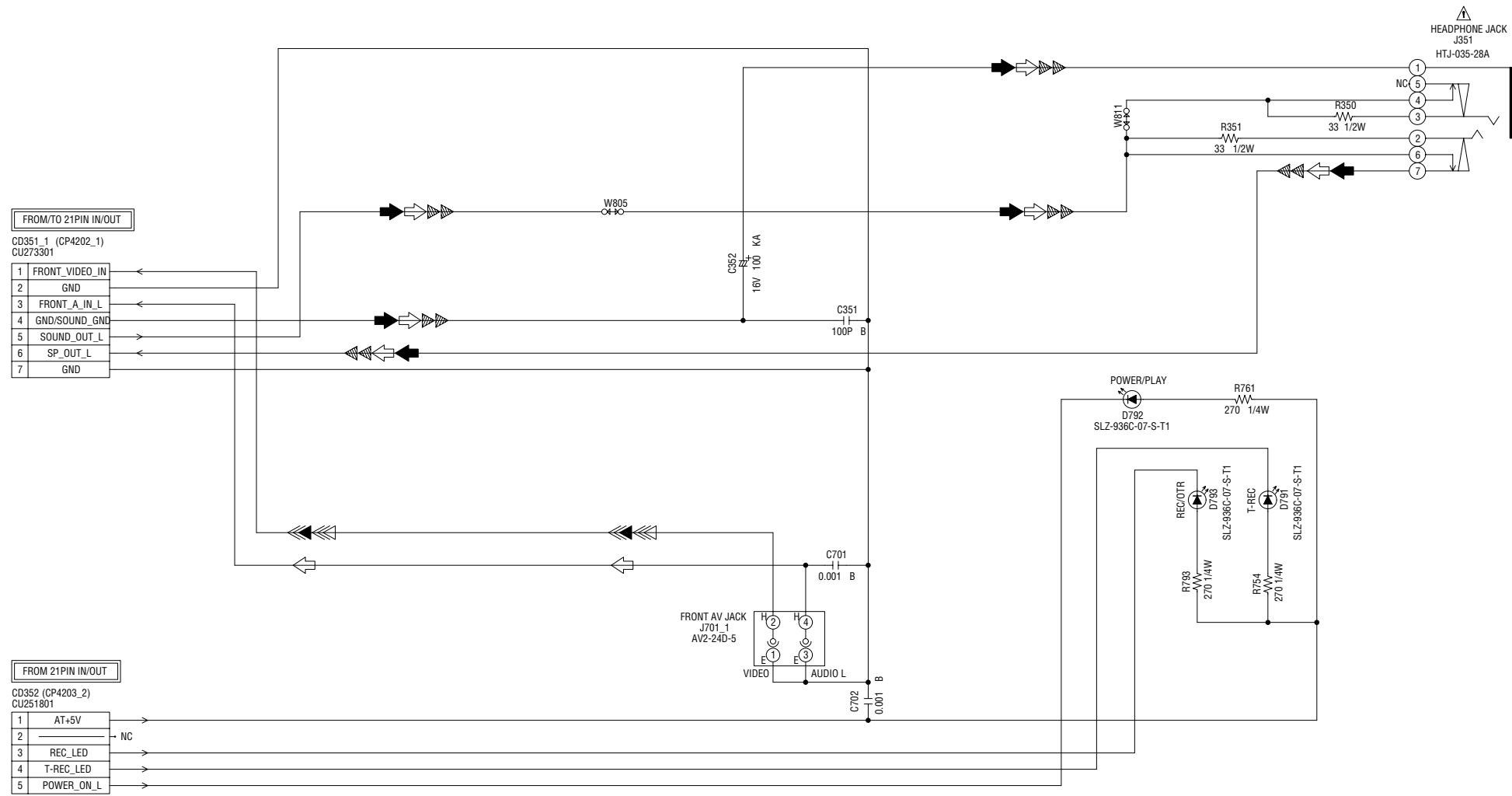


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

PCB350
VE9892

OPERATION SCHEMATIC DIAGRAM (OPERATION PCB)



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.

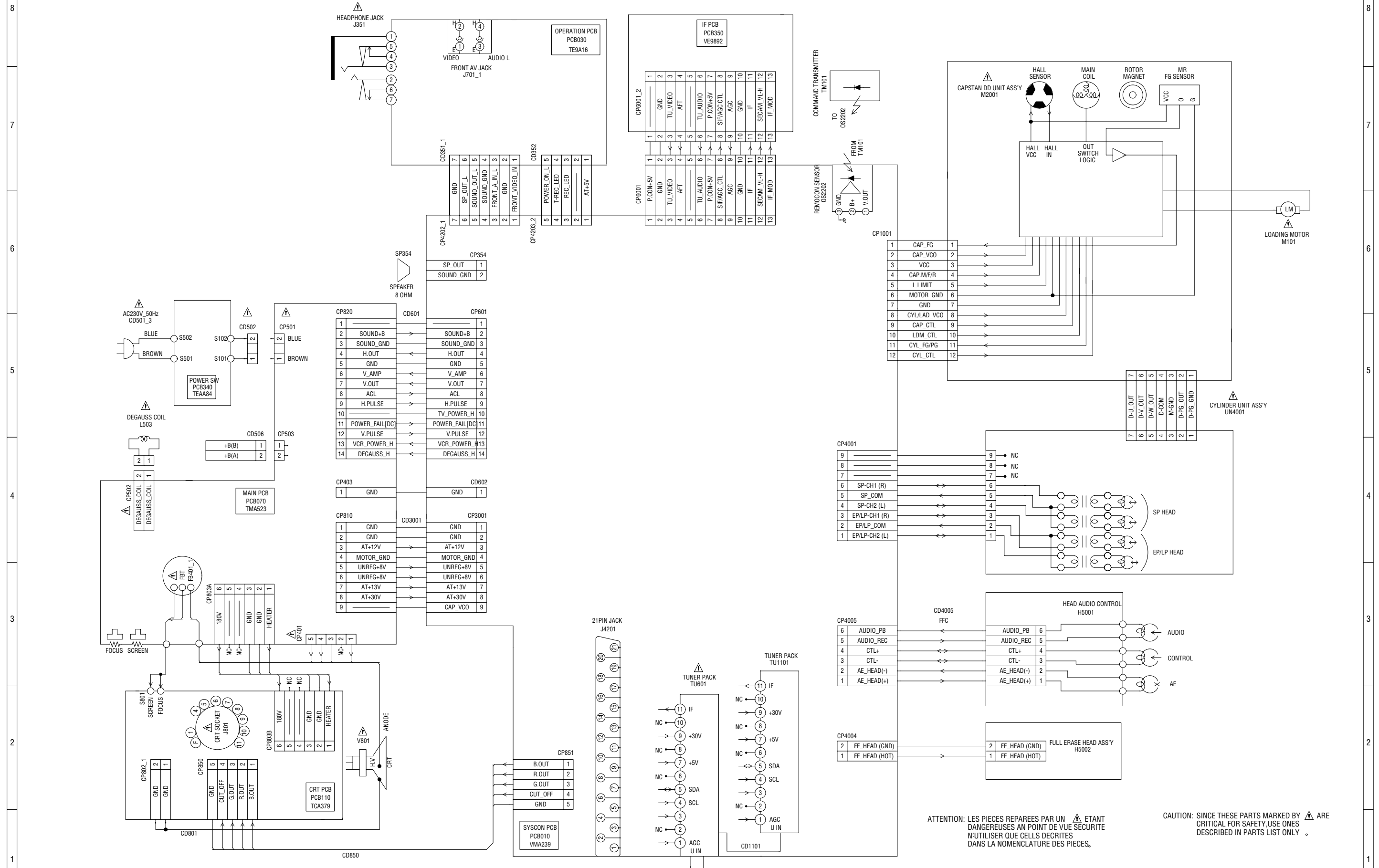
CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

ATTENTION: LES PIÈCES RÉPARÉES PAR UN ÉTANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIÈCES.

- AUDIO SIGNAL (REC)
- AUDIO SIGNAL (PB)
- TUNER AUDIO SIGNAL
- RECORD LUMINANCE SIGNAL
- RECORD COLOR SIGNAL

PCB030
TE9A16

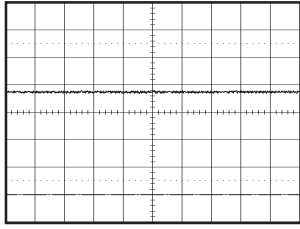
INTERCONNECTION DIAGRAM



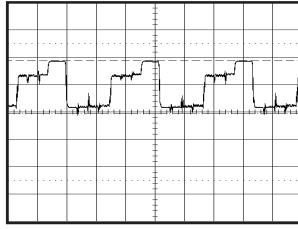
NOTE: THIS INTERCONNECTION DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

WAVEFORMS

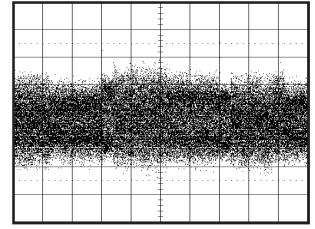
TV POWER



① 5.0V 0.1ms/div

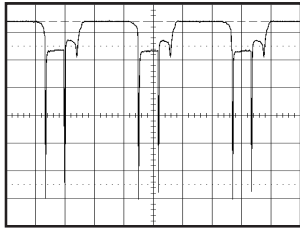


⑥ 50.0V 20μs/div

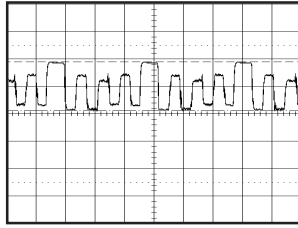


⑫ PB
50mV 5ms/div

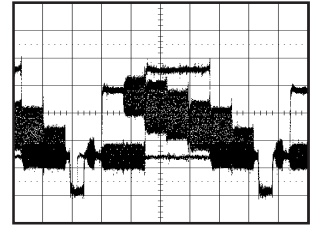
DEFLECTION



② 2.0V 20μs/div

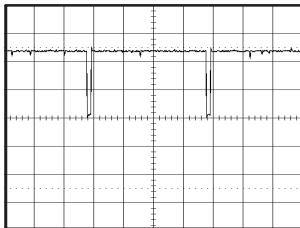


⑦ 50.0V 20μs/div

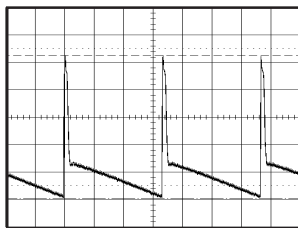


⑬ REC
0.5V 10μs/div

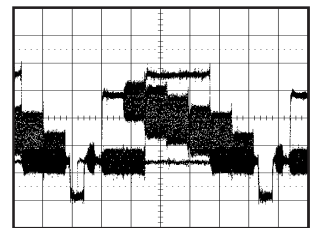
TV POWER



③ 2.0V 5ms/div

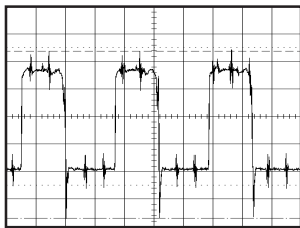


⑧ 10.0V 5ms/div

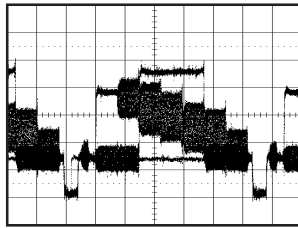


⑭ REC
0.5V 10μs/div

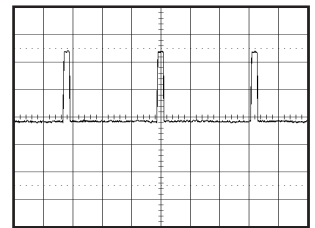
Y/C/AUDIO/HEAD AMP



④ 200mV 20μs/div

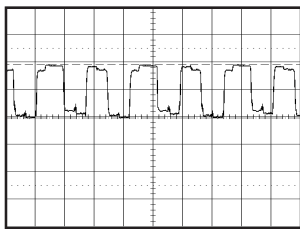


⑩ REC
0.5V 10μs/div

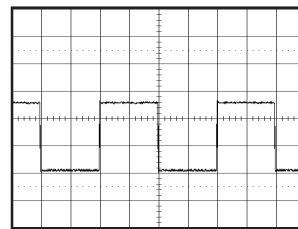


⑮ REC
2.0V 20μs/div

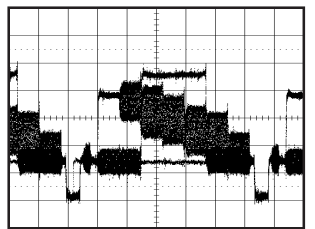
CRT



⑤ 50.0V 20μs/div



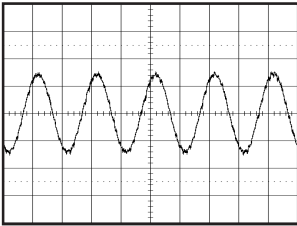
⑪ PB
2.0V 10ms/div



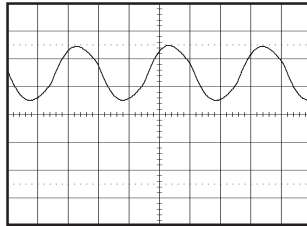
⑯ REC
0.5V 10μs/div

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

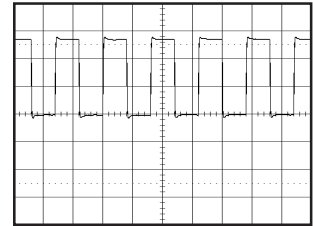
WAVEFORMS



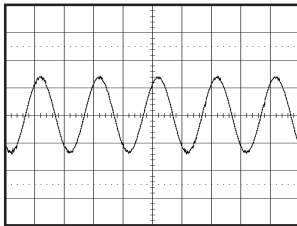
①⑦ REC
100mV 0.5ms/div



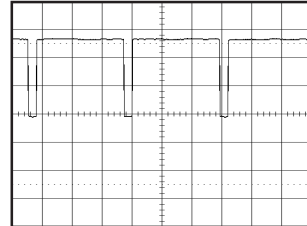
②② REC
1.0V 10µs/div



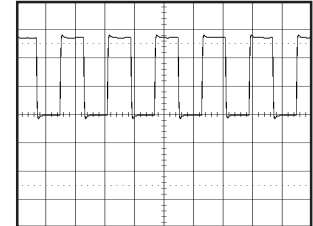
②⑦ PB
2.0V 0.5µs/div



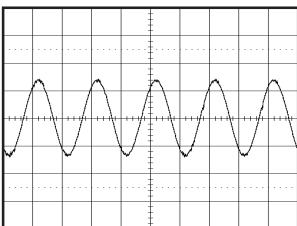
①⑧ REC
0.5V 0.5ms/div



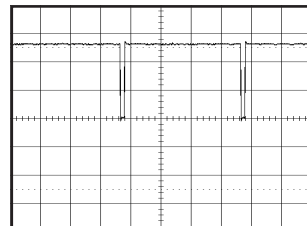
②③ REC
2.0V 20µs/div



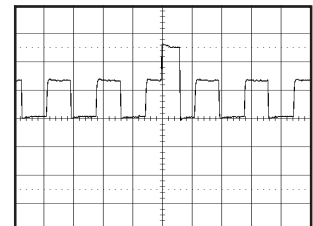
②⑧ PB
2.0V 0.5µs/div



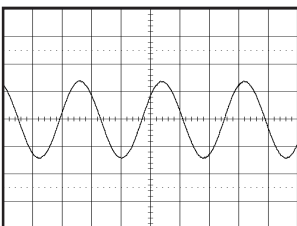
①⑨ 20.0V 2ms/div



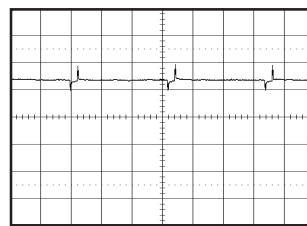
②④ REC
2.0V 5ms/div



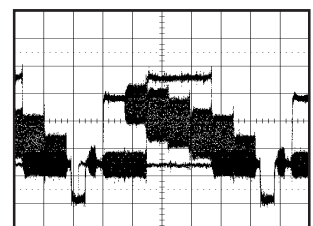
③⑩ REC
2.0V 1ms/div



②⑩ REC
20.0V 5µs/div

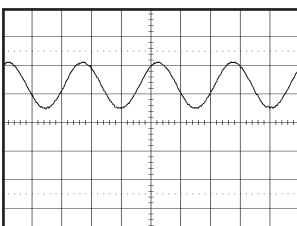


②⑤ REC
2.0V 20µs/div

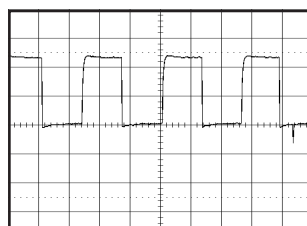


③① REC
0.5V 10µs/div

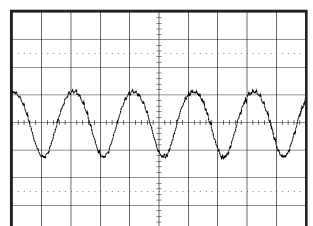
MICON



②① REC
2.0V 1ms/div

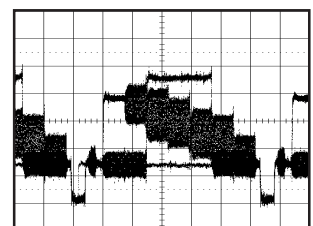


②⑥ PB
2.0V 5ms/div



③② REC
0.5V 0.5ms/div

POWER

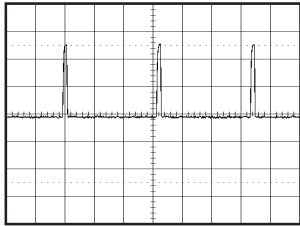


③① REC
0.5V 10µs/div

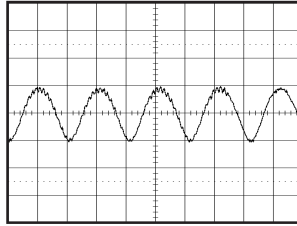
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.

WAVEFORMS

SOUND AMP

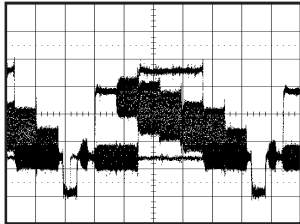


④⑤ REC
2V 20 μ s/div



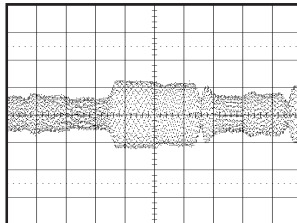
⑤⑩ REC
0.5V 0.5ms/div

21PIN/IN/OUT

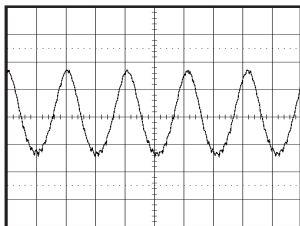


④⑥ REC
0.5V 10 μ s/div

SECAM CHROMA/HI-FI

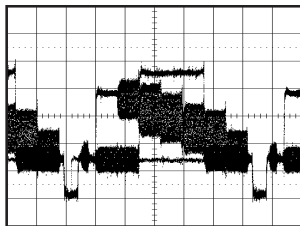


⑤① PB
200mV 5 μ s/div

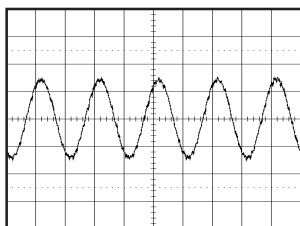


⑤② REC
0.5V 0.5ms/div

IF



④⑦ REC
0.5V 10 μ s/div



④⑧ REC
100mV 0.5ms/div

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram.