

ATTACHMENT K

CIRCUIT DESCRIPTION

Model No. : VCR2510

Brand: SANSUI

The device under application is a Video Cassette Recorder, which is operated by AC commercial power source (AC120V, 60Hz).

The unit contains circuitry for the Power supply, Luminance, Chrominance, System control, Servo, Operation, Head amp, Audio, Tuner and RF converter and so on.

RF Converter output is output in US 3ch or 4ch and Emission frequency is as follows.

Emission Frequency: US 3ch Video carrier: 61.25MHz

Audio carrier: 65.75MHz

US 4ch Video carrier: 67.25MHz

Audio carrier: 71.75MHz

Type of RF Input and Output Connector:

Type "F" Connector 75 ohm (Unbalanced)

The attached block diagram, ATTACHMENT L, describes the circuit functions.

FCC ID: A7RM4C7C

CIRCUIT DESCRIPTION
ATTACHMENT K

Product ID.Code: M4C7C
(Model No.: VCR2510)
Brand Name: SANSUI

TV RECEIVER APPLICATION CHECKLIST

- (X) 1. A statement identifying the production run plan we will be using to show compliance in meeting "TV Receiver, UHF Noise Figures Certification and Compliance Criteria" (July 1982).

: We will use the production run plan C to show compliance in meeting 14dB UHF Noise Figure requirement.

- (X) 2. A statement that NF measurements were made pursuant to OST MP-2, July 1982.

: NF measurements were made pursuant to OST BULLETIN MP-2, July 1982.

- (X) 3. The names of all manufacturing sources for the VHF and UHF tuners as well as the tuner manufacture's part No.

Product ID. Code (Model No.)	VHF/UHF 1 PACK TUNER	
	PART NO.	SOURCE
M4C7C(VCR2510)	0162600016	ALPS

- (X) 4. UHF and VHF tuner part numbers assigned by the receiver manufacturer.

: There are no tuner part assigned by receiver manufacturer.

(X) 5. Frequency bands tuned by receiver.

VHF : 2 - 13 ch

UHF : 14- 69 ch

CATV : 1 -125 ch(101 - 845MHz)

(X) 6. Pursuant to Section 15.117 of the Rules, a statement specifying the receiver design noise figure, in dB.

: Because TV Tuner built in as part of a video tape recorder which uses a power splitter between the antenna terminals of the video tape recorder and input terminals of the TV Tuner, the limits of Noise Figure, pursuant to section 15.117(g)(4), complies with the limits subtracted 4dB from 14dB.

() 7. The length of the UHF lead, from antenna input terminal to the tuner.

:

(X) 8. A numbered electrical schematic for the receiver.

: Attached

(X) 9. The exact chassis number (MFR'S Model No. instead of chassis No.)
(This number is classified with SUFFIX in order to show voltage difference, Radio band difference and so on.)

: Mfr's No. : M4C7C

()10. Picture tube size in inches.

:

(X)11. Type of receiver - color or black and white.

: Color

(X)12. A description of the cabinet material.

: plastic and metal cover

()13. Copy of all the information submitted with the original certification for the basic receiver.

:Attached

(X)14. A statement that the contribution not exceed 0.3dB for the channel.

$$\Delta F(\text{dB}) = 10 \cdot \log_{10} \left[1 + \frac{F2 - 1}{G1F1} \right]$$

where

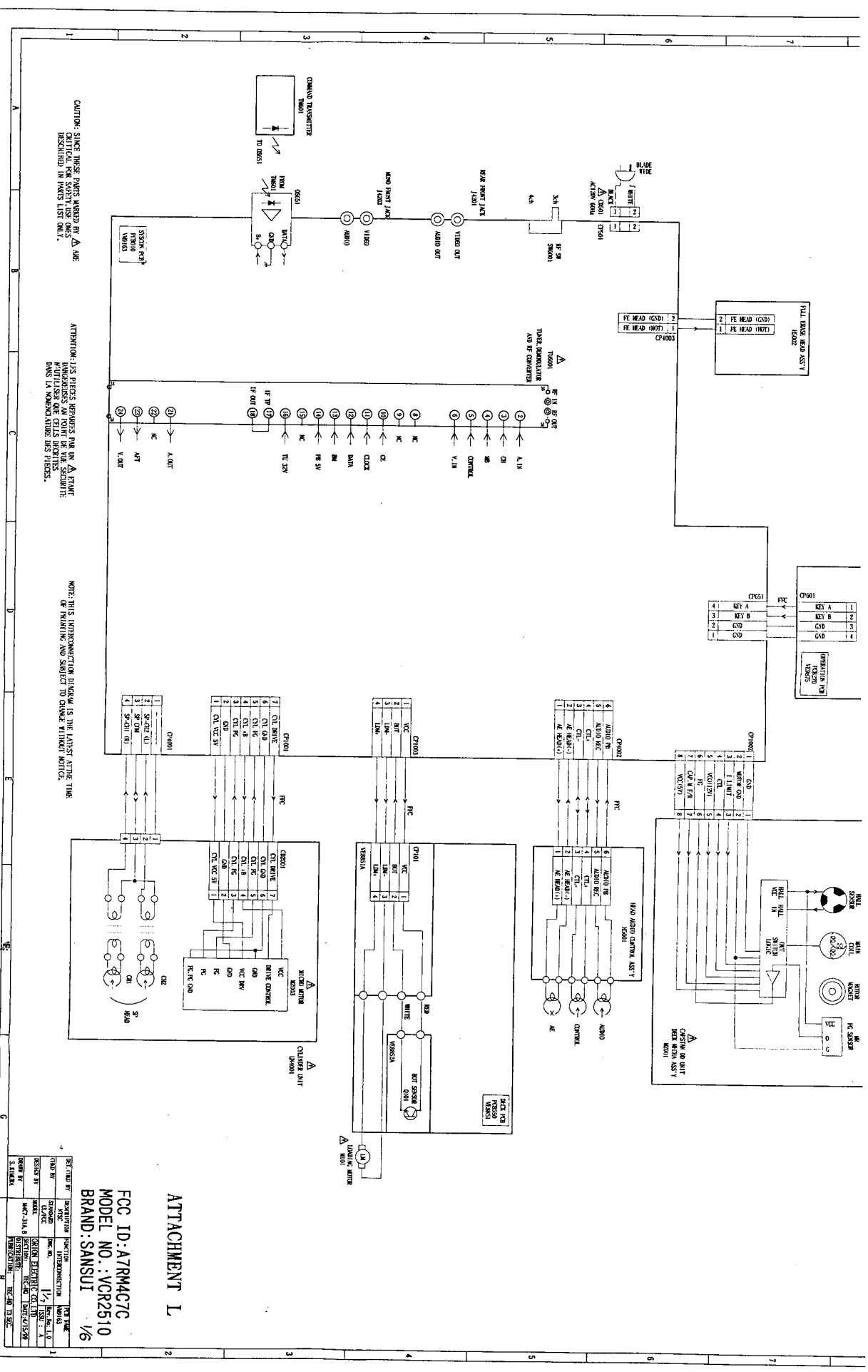
F1 : 7.0 dB ----- typical value

F2 : 8.5 dB ----- N.F. indicator (I.F. Noise Figure)
* See ATTACHMENT H 2/4

G1 : 39.0 dB ----- See ATTACHMENT H 2/4

$$\Delta F = 10 \cdot \log_{10} 1.014 = 0.060 \text{ dB}$$

The contribution does not exceed 0.3dB, so, neglected.

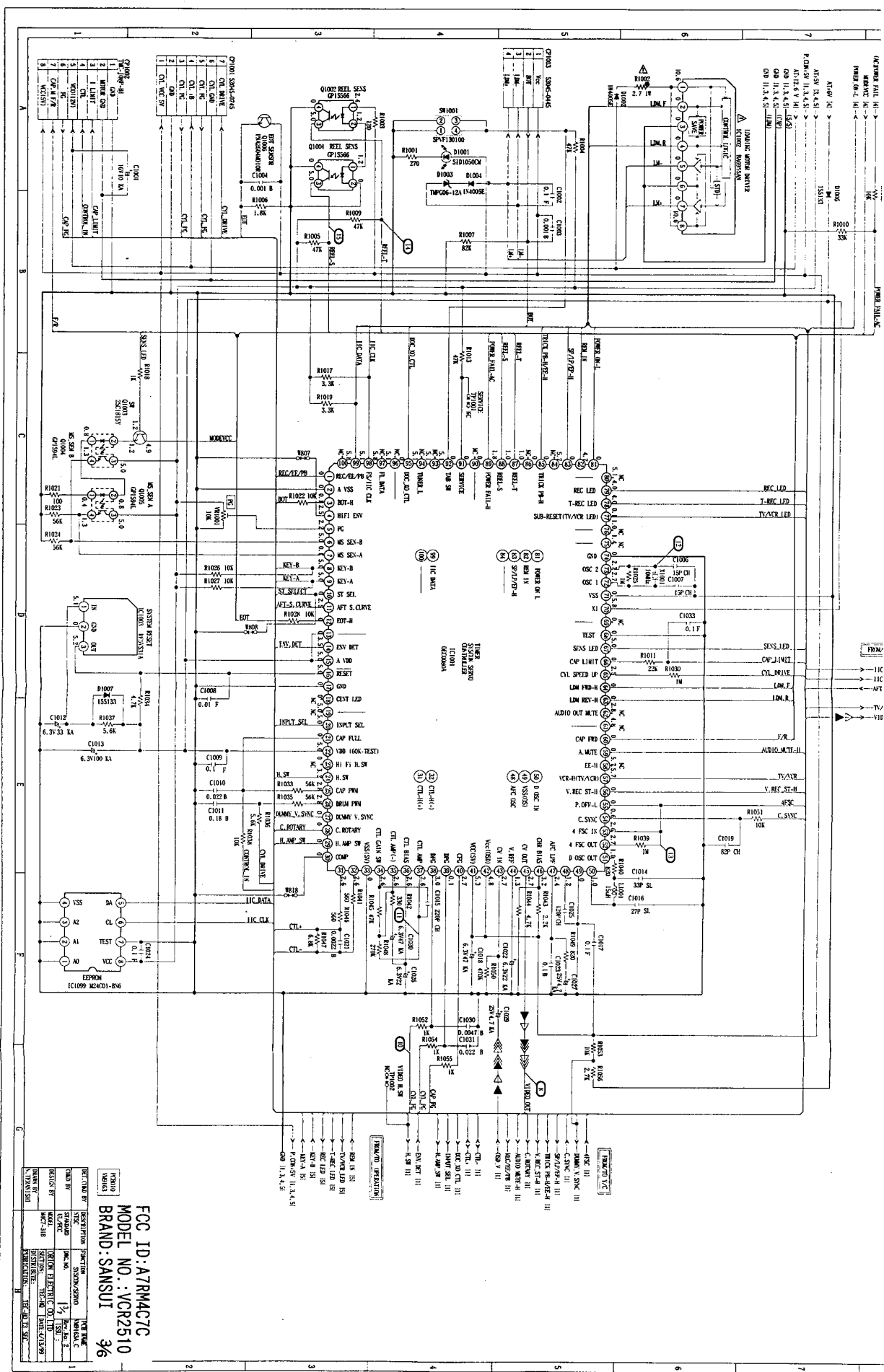


ATTACHMENT L

FCC ID: A7RMAC7C
 MODEL NO.: VCR2510
 BRAND: SANSUI 1/6

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

CAUTION: THESE PARTS MARKED BY A ARE IDENTICAL TO THE PARTS MARKED BY A IN THE PARTS LIST ONLY.



FCC ID: A7RMC7C
 MODEL NO.: VCR2510
 BRAND: SANSUI 36



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

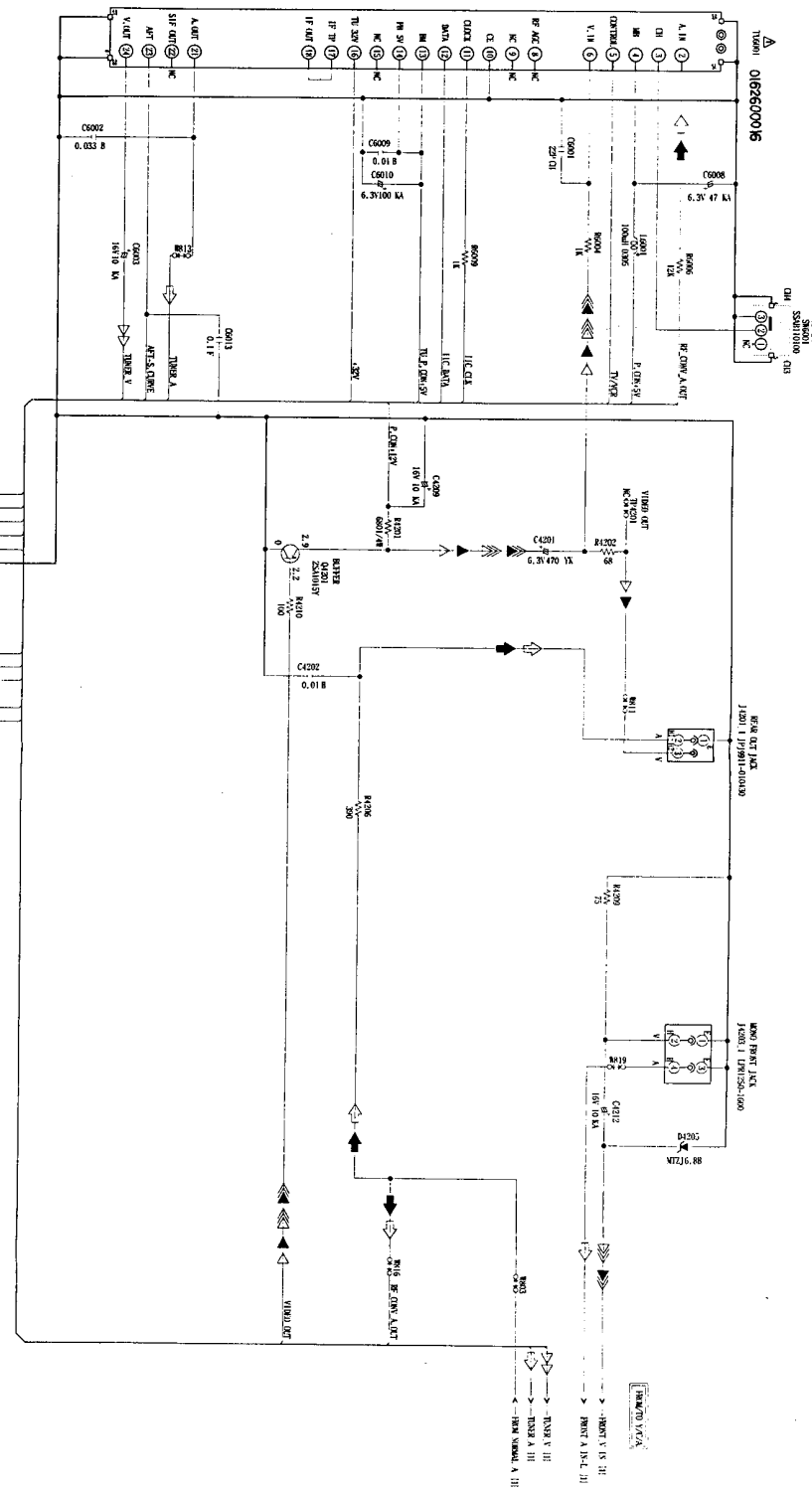
CAUTION: SINCE THESE PARTS WERE MADE BY A.M.E.
CRITICAL FOR SAFETY, USE ONLY
THESE PARTS LIST ONLY.

ATTENTION: THE PHOTOS BEHAVIOR IN THE
PHOTOGRAPHY ARE NOT THE SAME
AS IN THE SCHEMATIC
DIAGRAMS IN THE PARTS LIST ONLY.

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

FROM POWER

FROM/TO
SYSTEM/VIDEO
IIC CLK
IIC DATA
IIC S-CLK
TV/VIDEO
VIDEO OUT



FCC ID: A7RMAC7C
MODEL NO.: VCR2510
BRAND: SANSUI

ITEM	DESCRIPTION	REVISION	DATE
1	REVISION	1	1998.12.1
2	REVISION	2	1999.1.1
3	REVISION	3	1999.1.1
4	REVISION	4	1999.1.1
5	REVISION	5	1999.1.1
6	REVISION	6	1999.1.1
7	REVISION	7	1999.1.1
8	REVISION	8	1999.1.1
9	REVISION	9	1999.1.1
10	REVISION	10	1999.1.1

CAUTION: THE CONTAINS IMPROVED AGAINST FIRE ALARMS.
 ATTENTION: PRÉSENTE CONTIENT CONTRE LES INCENDIES.
 THE L.A. 250V (P.301).

NOTE: THE R. VOLTAGE AT EACH PART HAS
 BEING INDICATED BY THE SAME TYPE, THE L.A. 250V
 BEING INDICATED BY THE SAME TYPE, THE L.A. 250V
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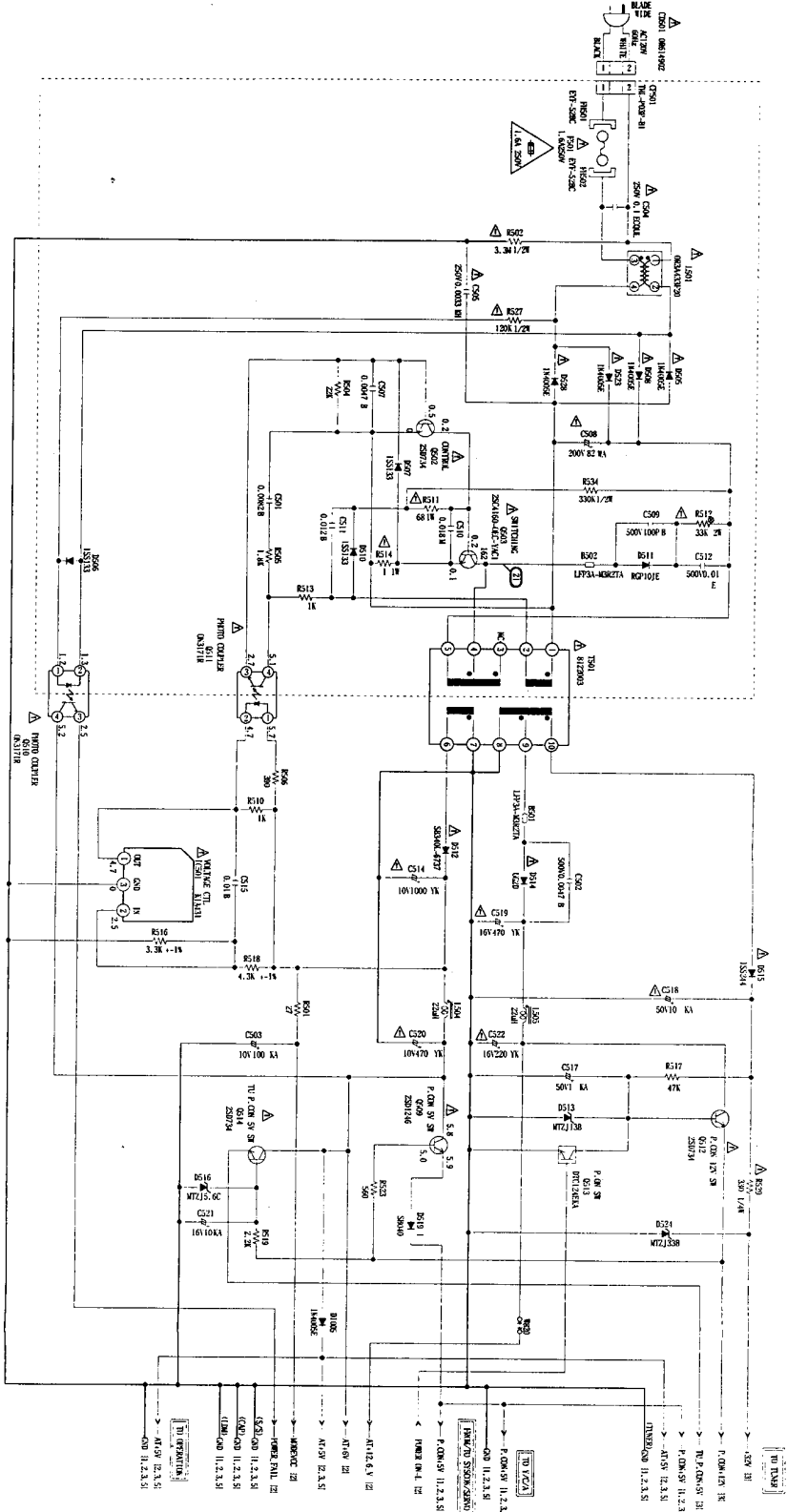
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
 OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.
 ATTENTION: LES FIGURES PRÉCÉDENTES SONT LA DERNIÈRE
 ÉDITION À LA DATE DE LA PRÉSENTATION DES FIGURES.

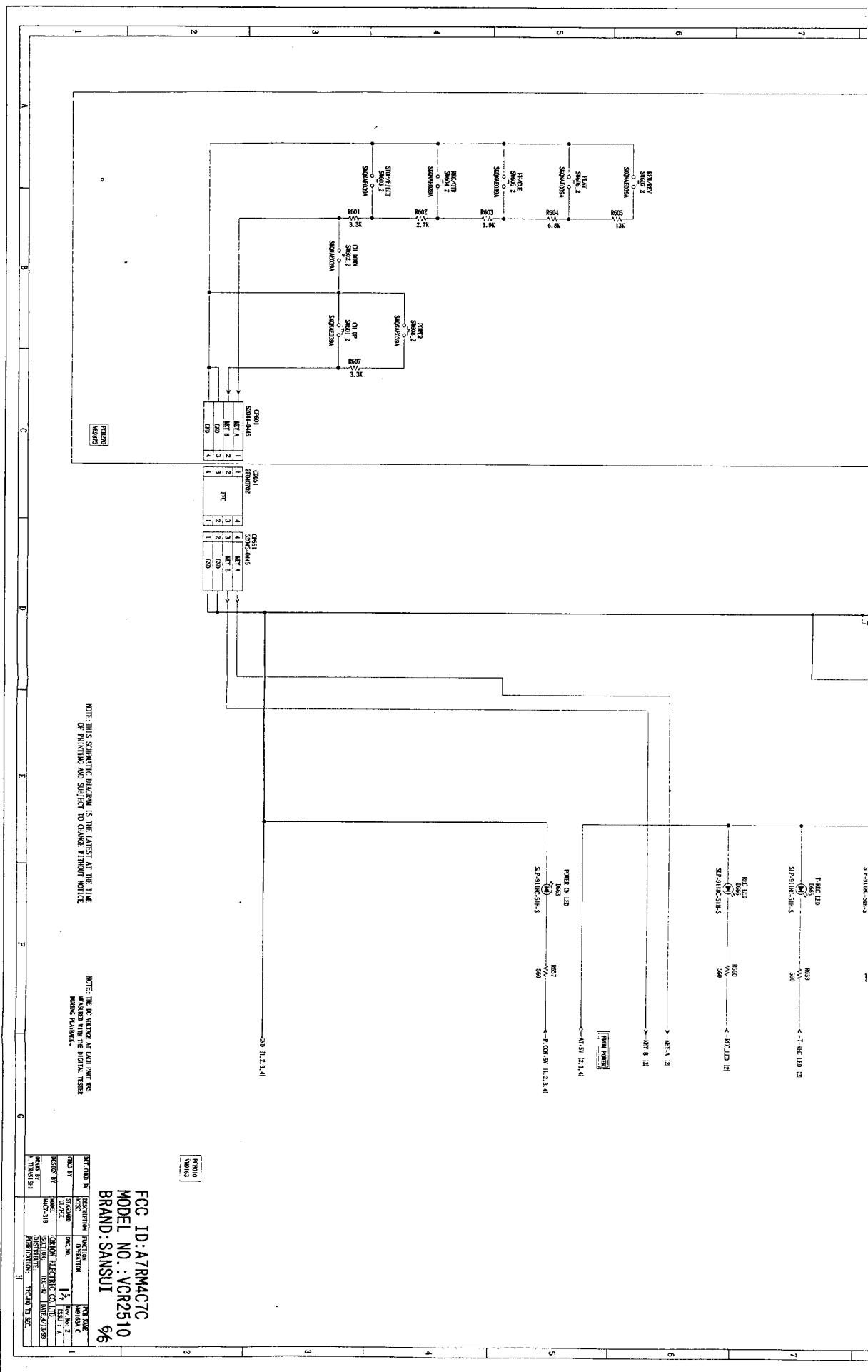
CAUTION: SINCE THESE PARTS MARKED BY A TRIANGLE
 ARE CRITICAL FOR SAFETY USE ONLY.
 ATTENTION: LES FIGURES PRÉCÉDENTES SONT LA DERNIÈRE
 ÉDITION À LA DATE DE LA PRÉSENTATION DES FIGURES.

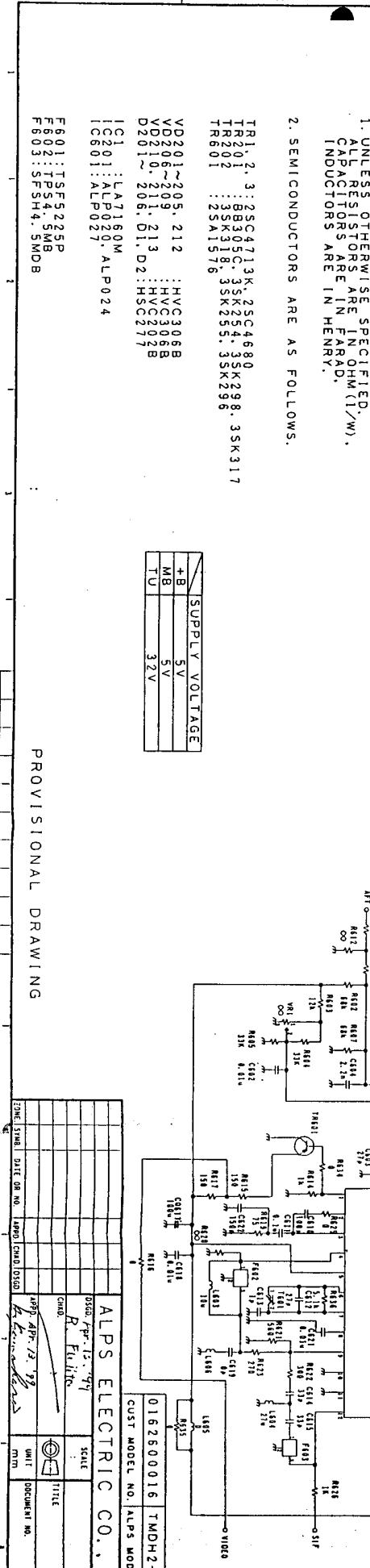
CAUTION: DIGITAL TRANSISTOR

REV.	DATE	DESCRIPTION	BY	CHK.
1	10/10/10	10/10/10	10/10/10	10/10/10
2	10/10/10	10/10/10	10/10/10	10/10/10
3	10/10/10	10/10/10	10/10/10	10/10/10
4	10/10/10	10/10/10	10/10/10	10/10/10
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6	10/10/10	10/10/10	10/10/10	10/10/10
7	10/10/10	10/10/10	10/10/10	10/10/10
8	10/10/10	10/10/10	10/10/10	10/10/10
9	10/10/10	10/10/10	10/10/10	10/10/10
10	10/10/10	10/10/10	10/10/10	10/10/10

FCC ID: A7RMACTC
 MODEL NO.: VCR2510
 BRAND: SANSUI
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2. SEMICONDUCTORS ARE AS FOLLOWS.

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VD201~205. 212 : HVC306B
VD206~209. 213 : HVC306B
VD210. 211. 213 : HVC202B
D201~ 206. 01. D2 : HSC277

IC1 : LA7160M
IC201: ALP020. ALP024
IC601: ALP027

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F601:TSF5225P
F602:TP54.5MB
F603:SF5H4.5MDB
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TUNED DEMODULATOR AND DE-COMVERTED CIRCUIT DIAGRAM

|                                                                                                   |  |                                       |  |
|---------------------------------------------------------------------------------------------------|--|---------------------------------------|--|
| COST MODEL NO./ALPS MODEL NO.                                                                     |  | ALPS ELECTRIC CO., LTD                |  |
| SCALE                                                                                             |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
|  TITLE<br>BOLT |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
| DOCUMENT NO.                                                                                      |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
| UNIT                                                                                              |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
| M/M                                                                                               |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
| DATE ON NO.                                                                                       |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |
| COST MODEL NO.                                                                                    |  | 0000 APR 13 '99<br>R. Fuller<br>Cont. |  |