

# JVC

## SCHEMATIC DIAGRAMS

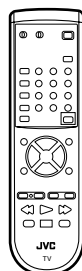
### COLOR TELEVISION

BASIC CHASSIS

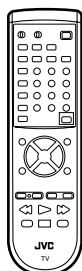
GC

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| <b>AV-32D202</b> /AG | <b>AV-32D302</b> /AG | <b>AV-32D502</b> /AG |
| <b>AV-32D202</b> /AH | <b>AV-32D302</b> /AH | <b>AV-32D502</b> /AH |
| <b>AV-32D202</b> /AM | <b>AV-32D302</b> /AM | <b>AV-32D502</b> /AM |
| <b>AV-32D202</b> /AR | <b>AV-32D302</b> /AR | <b>AV-32D502</b> /AR |

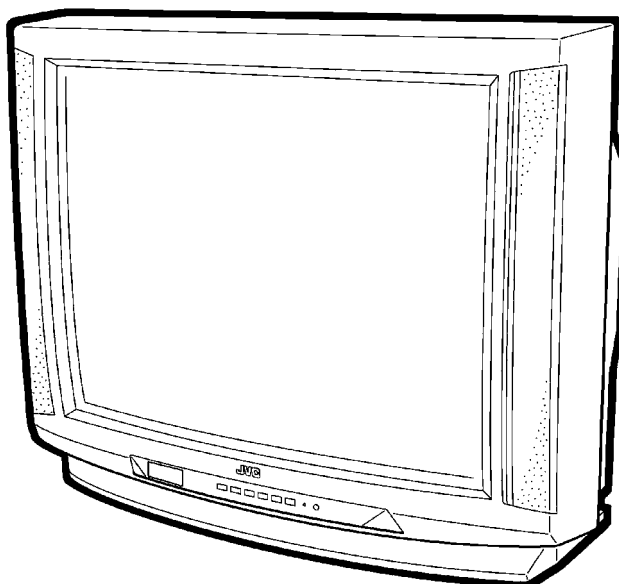
CD-ROM No. SML200201



**RM-C303G**  
[AV-32D202]  
[AV-32D302]



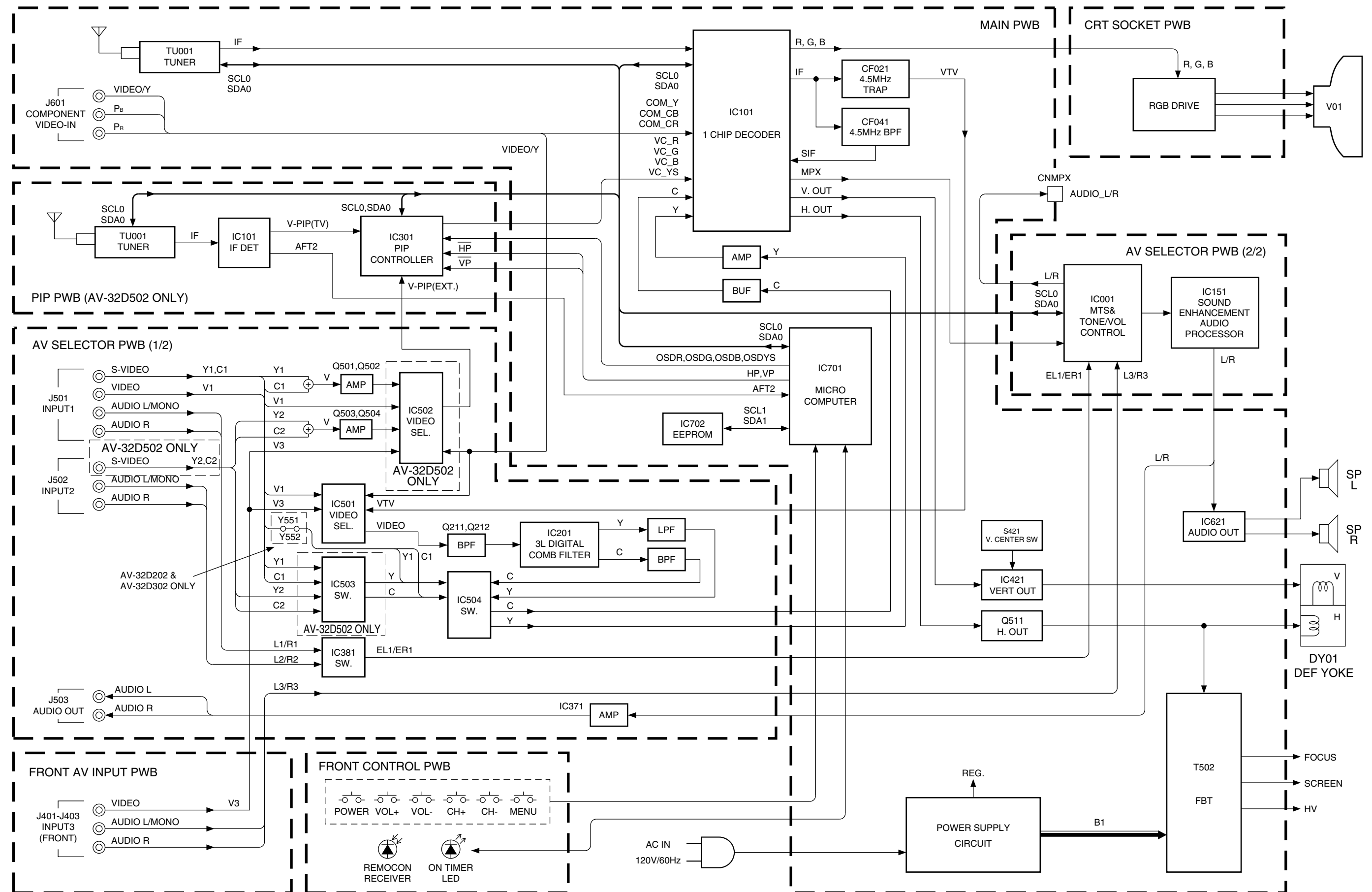
**RM-C301G**  
[AV-32D502]



AV-32D202  
AV-32D302  
AV-32D502

AV-32D202  
AV-32D302  
AV-32D502

# BLOCK DIAGRAM



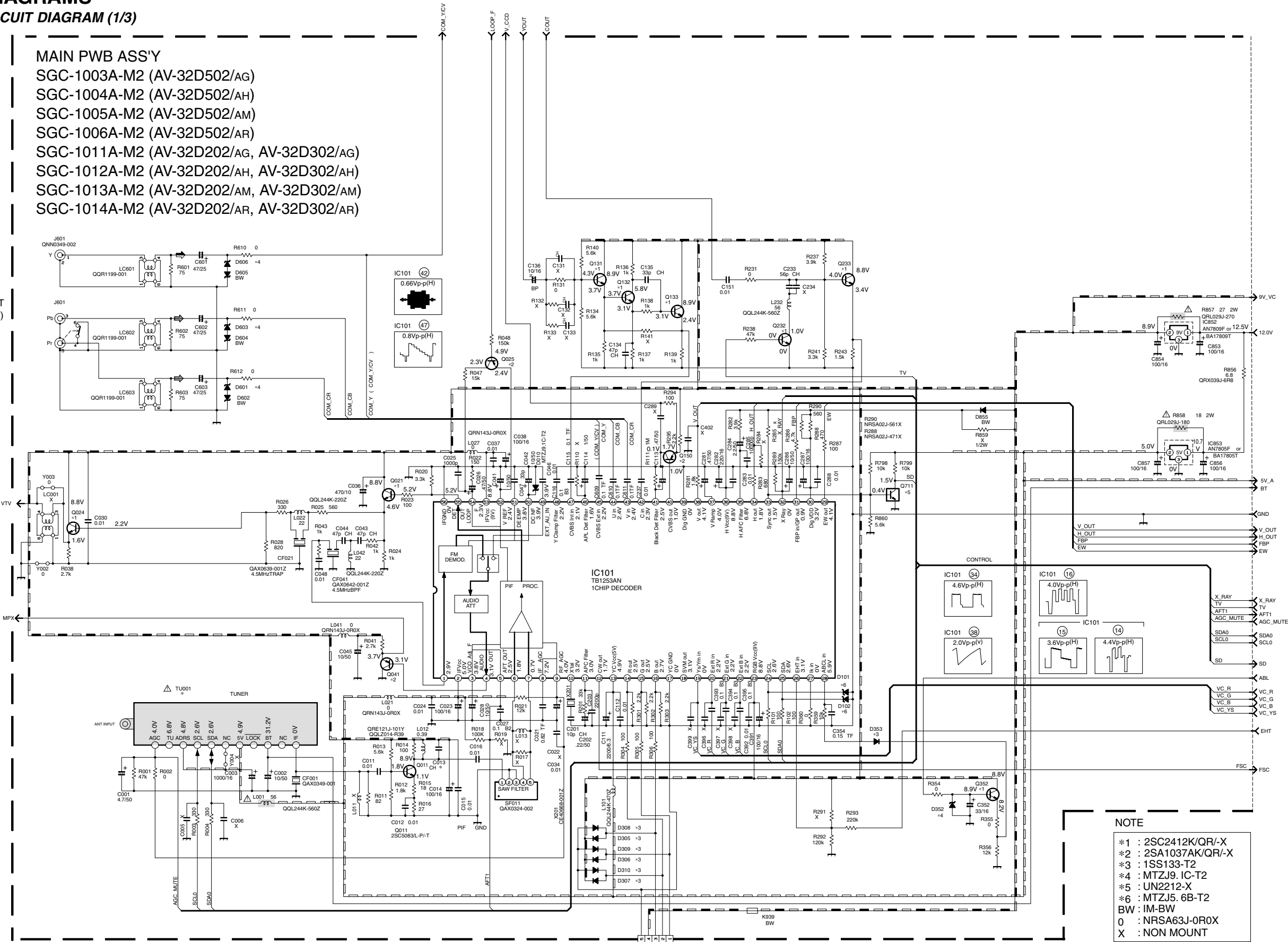
CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/3)

MAIN PWB ASS'Y

- SGC-1003A-M2 (AV-32D502/AG)
- SGC-1004A-M2 (AV-32D502/AH)
- SGC-1005A-M2 (AV-32D502/AM)
- SGC-1006A-M2 (AV-32D502/AR)
- SGC-1011A-M2 (AV-32D202/AG, AV-32D302/AG)
- SGC-1012A-M2 (AV-32D202/AH, AV-32D302/AH)
- SGC-1013A-M2 (AV-32D202/AM, AV-32D302/AM)
- SGC-1014A-M2 (AV-32D202/AR, AV-32D302/AR)

INPUT-2  
(COMPONENT  
VIDEO INPUT)



\* DIFFERENCE LIST(\*PARTS)

|         | SGC-1003A-M2 | SGC-1004A-M2 | SGC-1005A-M2 | SGC-1006A-M2 | SGC-1011A-M2 | SGC-1012A-M2 | SGC-1013A-M2 | SGC-1014A-M2 |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| C013    | 150pF        | 150pF        | 150pF        | 150pF        | NOT USED     | NOT USED     | NOT USED     | NOT USED     |
| Δ TU001 | QAU0247-1    | QAU0247-1    | QAU0247-1    | QAU0247-1    | QAU0176-1    | QAU0176-1    | QAU0176-1    | QAU0176-1    |

No.51799C

2-5

2-6

No.51799C

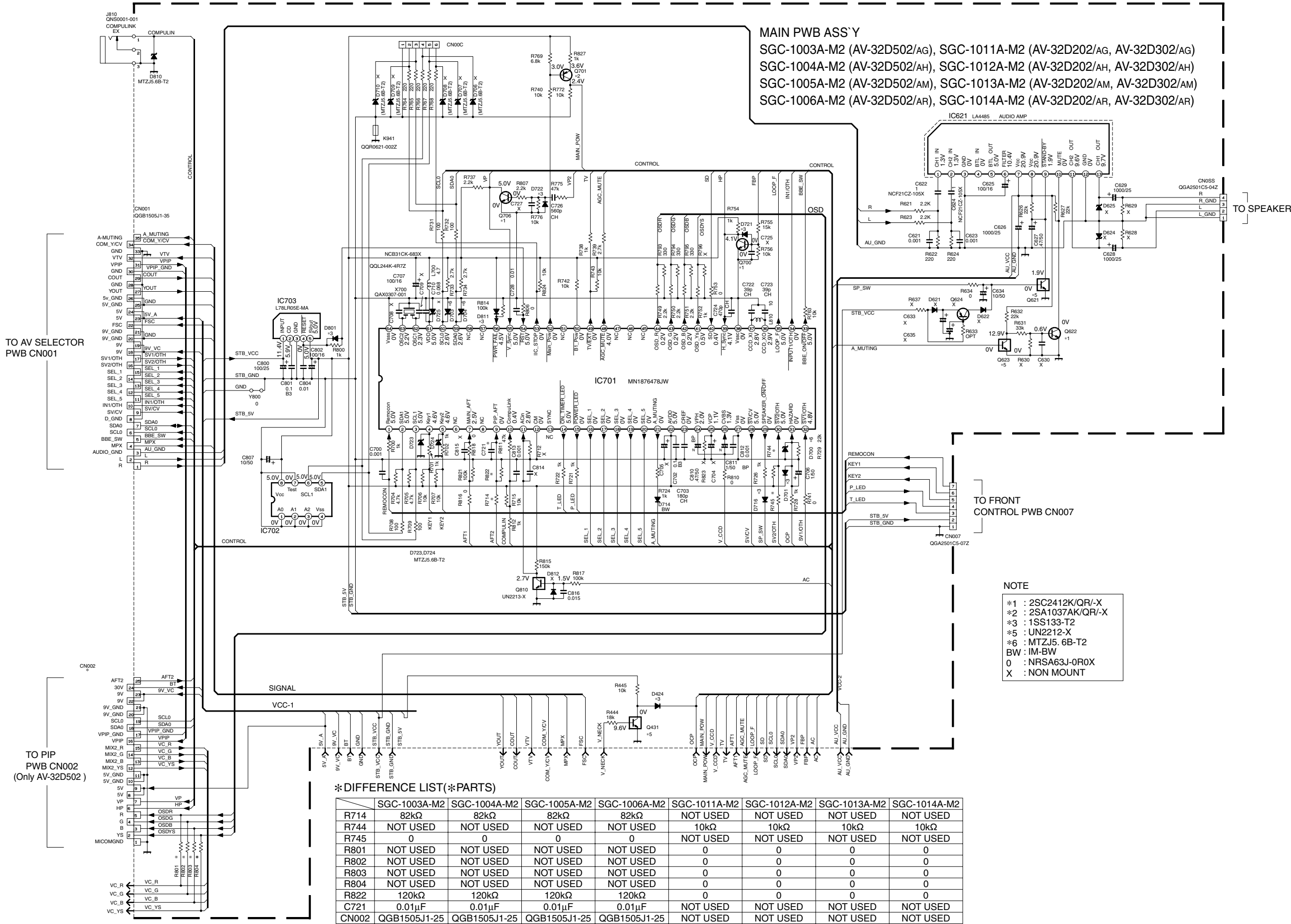
NOTE

- \*1 : 2SC2412K/QR/-X
- \*2 : 2SA1037AK/QR/-X
- \*3 : 1SS133-T2
- \*4 : MTZJ9. IC-T2
- \*5 : UN2212-X
- \*6 : MTZJ5. 6B-T2
- BW : IM-BW
- 0 : NRSA63J-0R0X
- X : NON MOUNT

MAIN PWB CIRCUIT DIAGRAM (2/3)

AV-32D202  
AV-32D302  
AV-32D502

AV-32D202  
AV-32D302  
AV-32D502



AV-32D202  
AV-32D302  
AV-32D502

SGC-1003A-M2 (AV-32D502/AG), SGC-1011A-M2 (AV-32D202/AG, AV-32D302/AG)  
SGC-1004A-M2 (AV-32D502/AH), SGC-1012A-M2 (AV-32D202/AH, AV-32D302/AH)  
SGC-1005A-M2 (AV-32D502/AM), SGC-1013A-M2 (AV-32D202/AM, AV-32D302/AM)  
SGC-1006A-M2 (AV-32D502/AR), SGC-1014A-M2 (AV-32D202/AR, AV-32D302/AR)

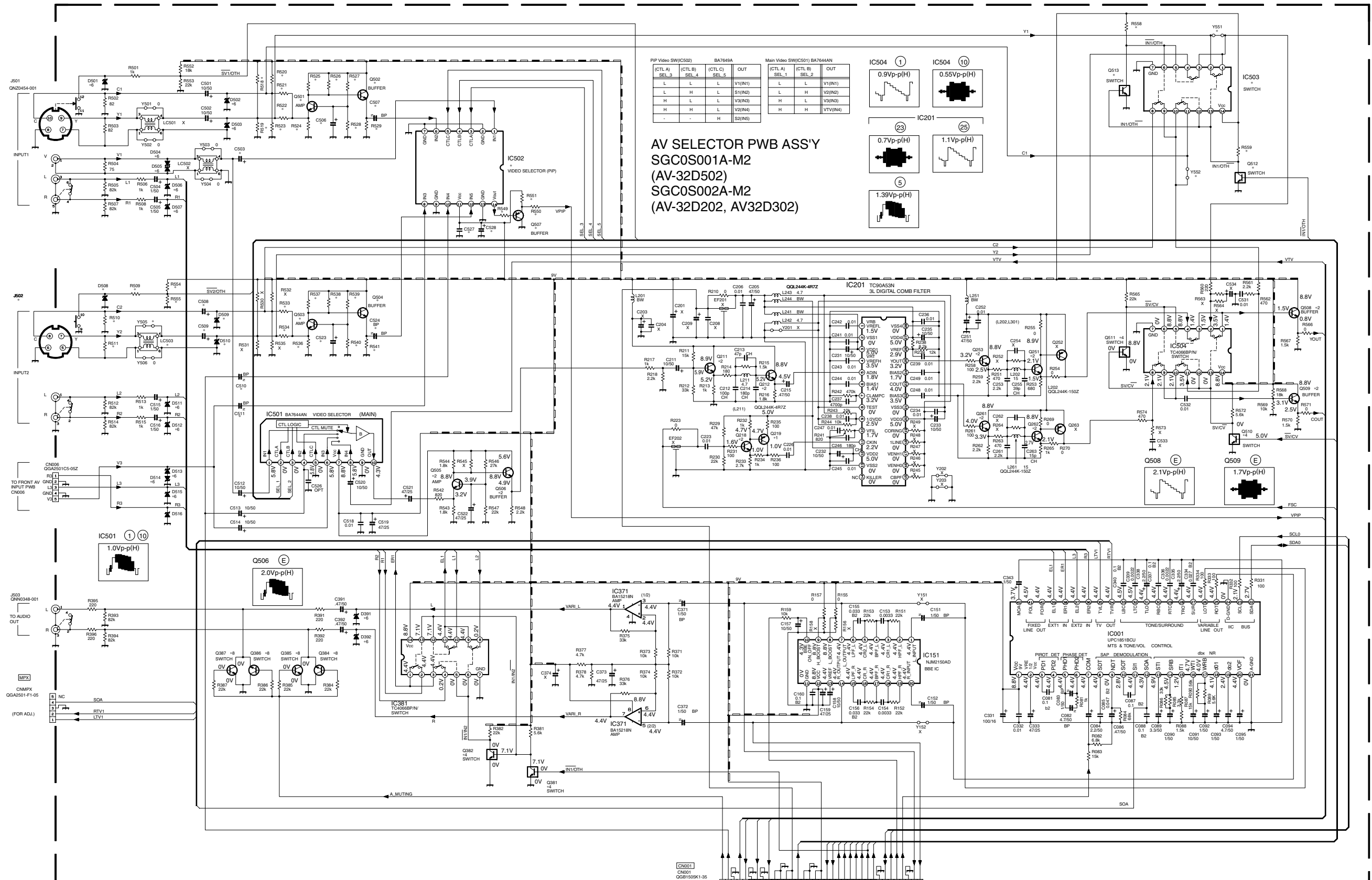
|       | SGC-1003A-M2 | SGC-1004A-M2 | SGC-1005A-M2 | SGC-1006A-M2 | SGC-1011A-M2 | SGC-1012A-M2 | SGC-1013A-M2 | SGC-1014A-M2 |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| R434  | 180Ω         | 180Ω         | 220Ω         | 180Ω         | 180Ω         | 180Ω         | 220Ω         | 180Ω         |
| R505  | 820Ω         | 1kΩ          | 1kΩ          | 1kΩ          | 820Ω         | 1kΩ          | 1kΩ          | 1kΩ          |
| R545  | 8.2kΩ        | 8.2kΩ        | 15kΩ         | 8.2kΩ        | 8.2kΩ        | 8.2kΩ        | 15kΩ         | 8.2kΩ        |
| R553  | 18Ω          | 18Ω          | 10Ω          | 18Ω          | 18Ω          | 18Ω          | 10Ω          | 18Ω          |
| △C510 | 6000pF       | 5300pF       | 5300pF       | 5300pF       | 6000pF       | 5300pF       | 5300pF       | 5300pF       |
| △C515 | 0.75μF       | 0.56μF       | 0.56μF       | 0.56μF       | 0.75μF       | 0.56μF       | 0.56μF       | 0.56μF       |
| △L511 | QQR1027-003  | QQR1027-003  | QQR1027-003  | CE41029-00A  | QQR1027-003  | QQR1027-003  | QQR1027-003  | CE41029-00A  |
| △L521 | QQLZ1018-560 | QQLZ1018-560 | QQLZ1026-640 | QQLZ1026-540 | QQLZ1018-560 | QQLZ1018-560 | QQLZ1026-640 | QQLZ1026-540 |

|    |                   |
|----|-------------------|
| *2 | : 2SA1037AK/QR/-X |
| *3 | : 1SS133-T2       |
| *4 | : QQR0582-001Z    |
| BW | : IM-BW           |
| 0  | : NRSA63J-0R0X    |
| X  | : NON MOUNT       |

AV-32D202  
AV-32D302  
AV-32D502

AV-32D202  
AV-32D302  
AV-32D502

AV SELECTOR PWB CIRCUIT DIAGRAM



AV SELECTOR PWB ASS'Y  
SGC0S001A-M2  
(AV-32D502)  
SGC0S002A-M2  
(AV-32D202, AV32D302)

\*DIFFERENCE LIST(\*PARTS)

| IC502        | IC503    | Q501       | Q502     | Q503     | Q504     | Q507     | Q512     | Q513     | D508     | D509     | D510     | R509     | R510     | R511      | R518     | R519     | R520     | R521     | R522     |          |
|--------------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|
| SGC0S001A-M2 | BA7648A  | TC4068BP/N | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED  | NOT USED | 15k      | 10k      | 15k      | NOT USED | NOT USED |
| SGC0S002A-M2 | NOT USED | NOT USED   | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED  | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |
| R523         | R524     | R525       | R526     | R527     | R528     | R529     | R533     | R534     | R536     | R537     | R538     | R539     | R540     | R541      | R549     | R550     | R551     | R554     | R555     |          |
| SGC0S001A-M2 | NOT USED | 1.8k       | 1.8k     | 10k      | 27k      | 18k      | 5.6k     | 1.5k     | 1.5k     | 1.8k     | 1.8k     | 10k      | 27k      | 18k       | 5.6k     | 4700     | 0        | 1.5k     | 18k      | 22k      |
| SGC0S002A-M2 | NOT USED | 10k        | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED  | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |
| R558         | R559     | C503       | C506     | C507     | C508     | C509     | C510     | C511     | C523     | C524     | C527     | C528     | J502     | Y505      | Y506     | Y551     | Y552     |          |          |          |
| SGC0S001A-M2 | 22k      | 5.6k       | 10µ/50V  | 47µ/25V  | 10µ/16V  | 10µ/10V  | 10µ/50V  | 10µ/16V  | 10µ/16V  | 47µ/5V   | 10µ/16V  | 0.01µ    | 47µ/25V  | 0         | 0        | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |
| SGC0S002A-M2 | NOT USED | NOT USED   | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED | QNZ0346-1 | NOT USED | NOT USED | NOT USED | 0        | 0        |          |

NOTE

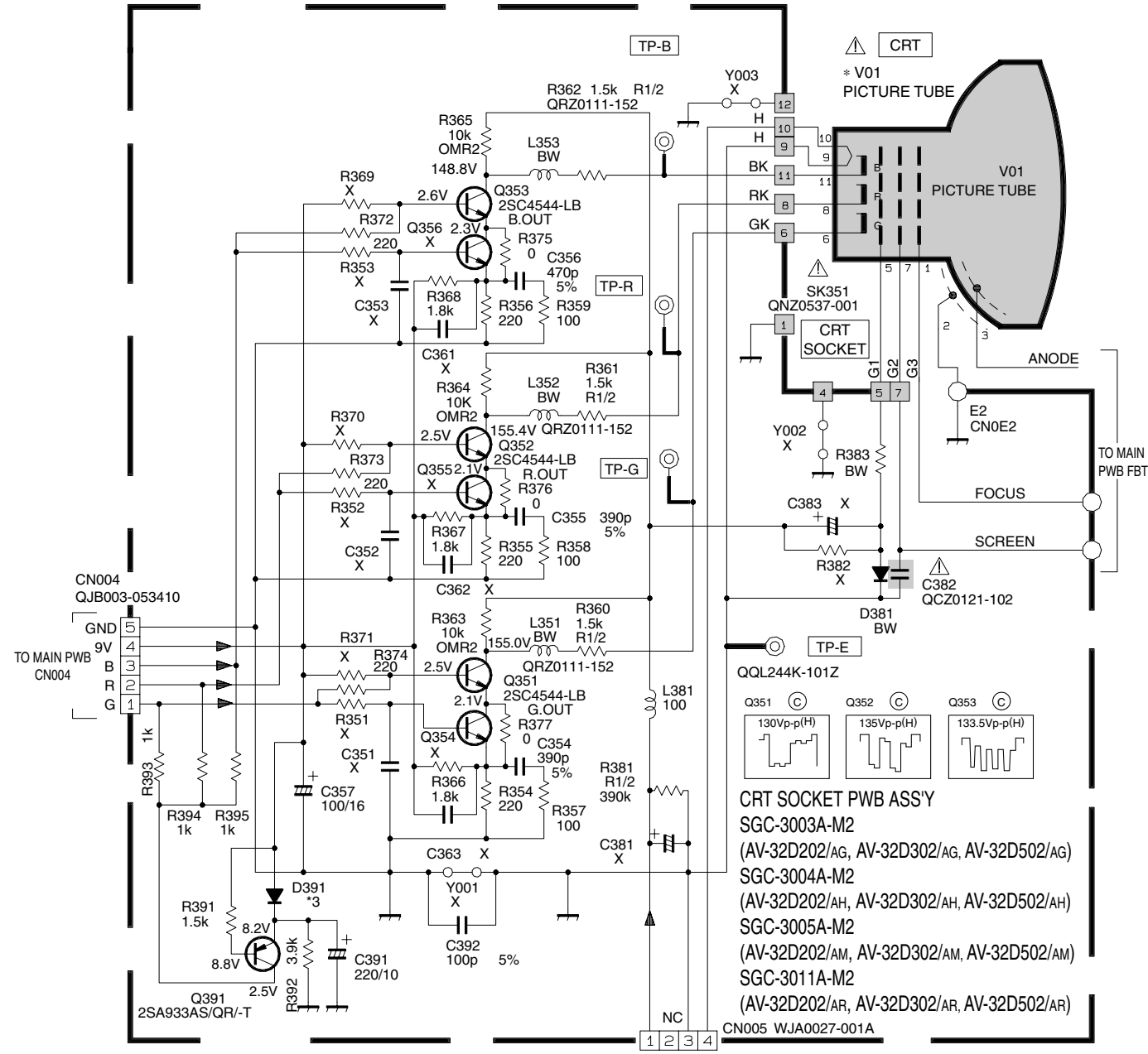
- \*1 : 2SA1037AK/QR/-X
- \*2 : 2SC2412K/QR/-X
- \*4 : UN2212-X
- \*6 : MTZJ9-IC-T2
- \*8 : DTC323TK-X
- BW : IM-BW
- 0 : NRS463J-0R0X
- X : NON MOUNT

**PIP PWB ASS'Y SGC0P001A-M2**

**NOTE**  
 \*1 : 2SA1037AK/QR/-X  
 \*2 : 2SC2412K/QR/-X  
 \*5 : 1S5133-T2  
 BW : IM-BW  
 0 : NRSA63J-0R0X  
 X : NON MOUNT

\*1 : 2SA1037AK/QR/-X  
\*2 : 2SC2412K/QR/-X  
\*5 : 1SS133-T2  
BW : IM-BW  
0 : NRSA63J-0R0X  
X : NON MOUNT

CRT SOCKET PWB CIRCUIT DIAGRAM



\*DIFFERENCE LIST(\*PARTS)

|       | SGC-3003A-M2  | SGC-3004A-M2  | SGC-3005A-M2 | SGC-3011A-M2 |
|-------|---------------|---------------|--------------|--------------|
| ⚠ V01 | A80QCF240X14L | A80LJF30X08-G | A80JUA061X06 | A80AEJ15X01  |

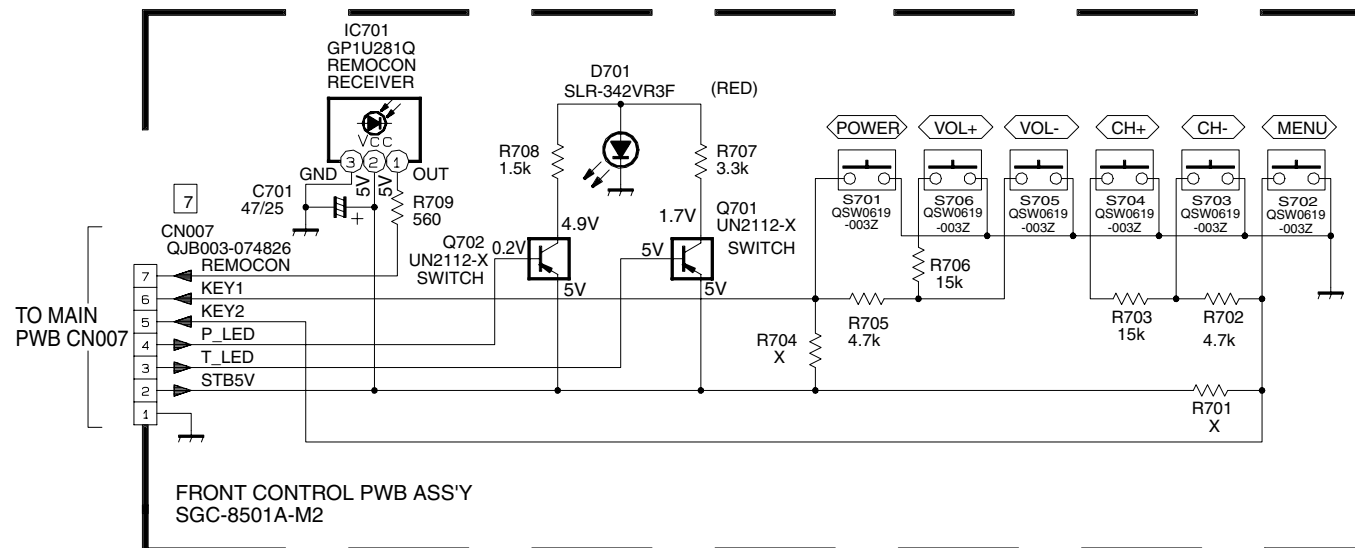
NOTE

\*3 : 1SS133-T2  
BW : IM-BW  
X : NON MOUNT

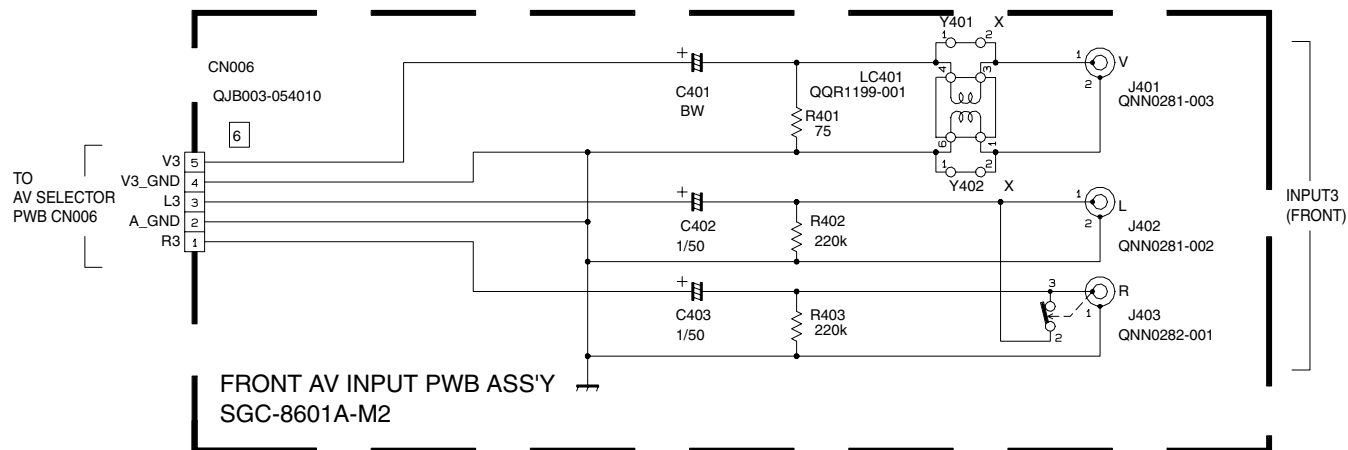
AV-32D202  
AV-32D302  
AV-32D502

# FRONT CONTROL AND FRONT AV INPUT PWB CIRCUIT DIAGRAMS

## - FRONT CONTROL -



## - FRONT AV INPUT -



NOTE

X : NON MOUNT