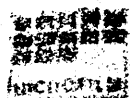
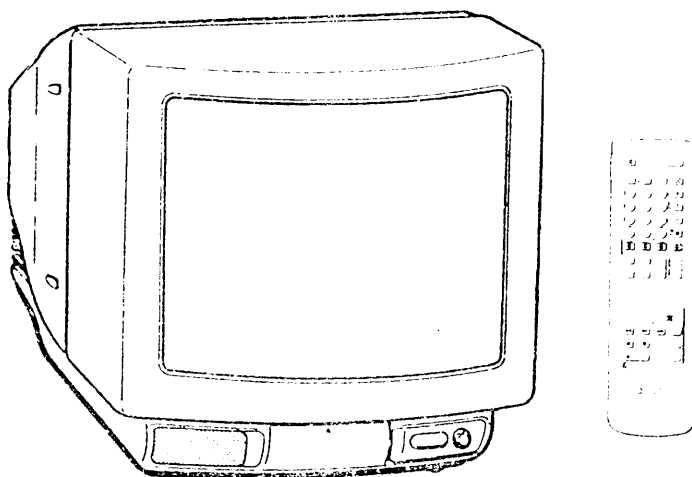


SERVICE MANUAL

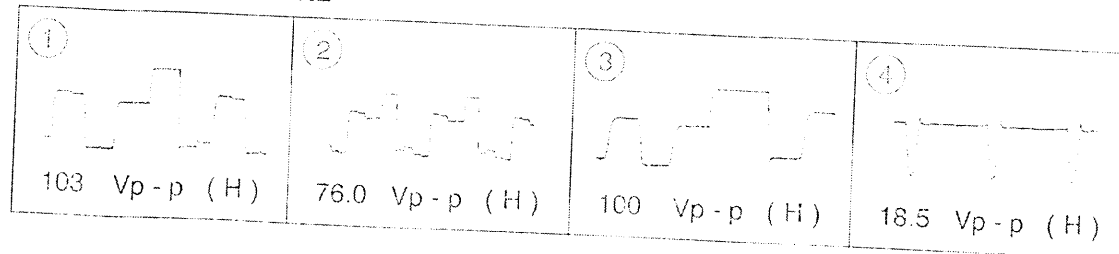
BE-3B CHASSIS

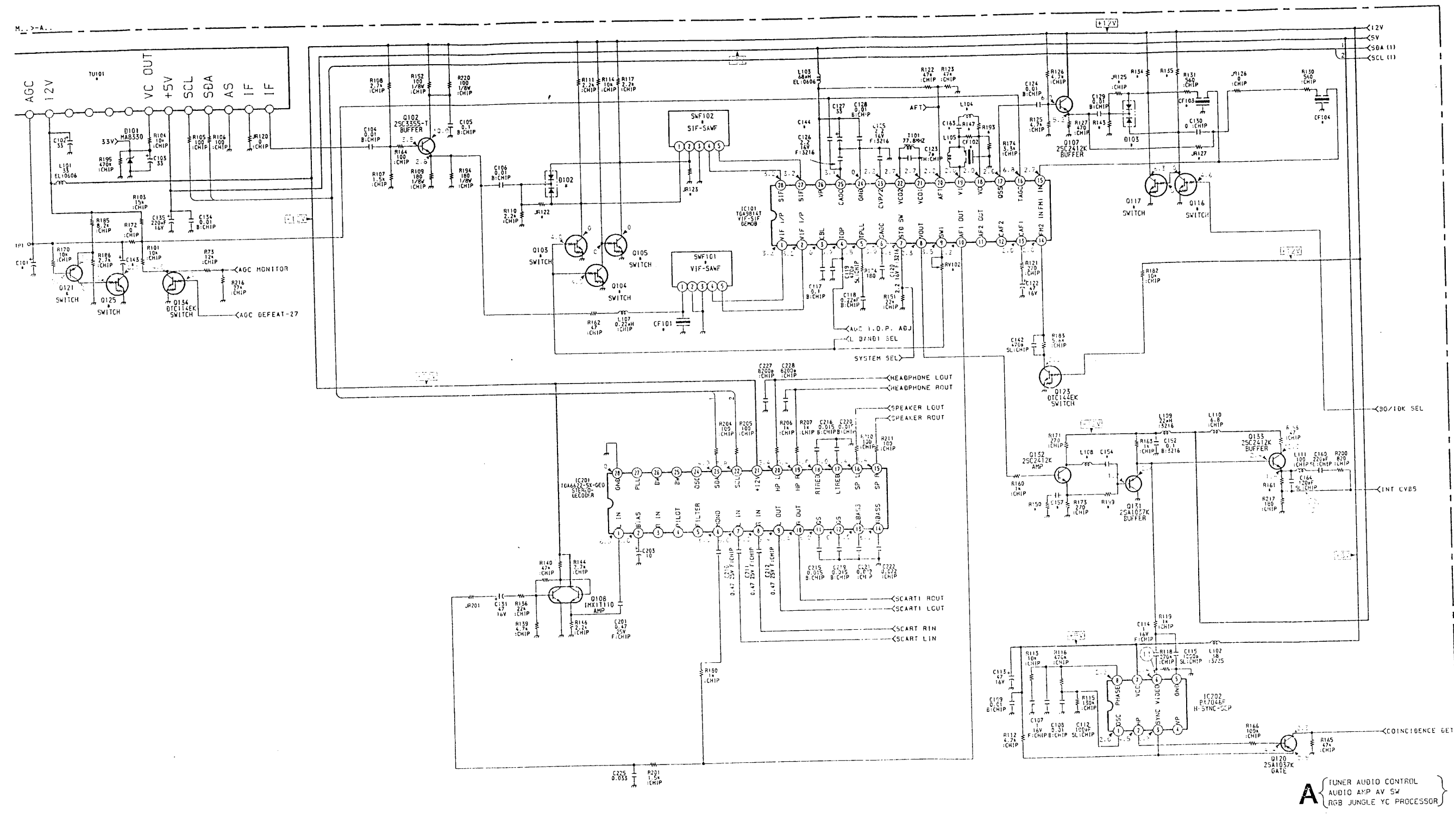
| MODEL | COMMANDER | DEST. | CHASSIS NO. | MODEL | COMMANDER | DEST. | CHASSIS NO. |
|-----------|-----------|---------|-------------|-----------|-----------|---------|-------------|
| KV-M2540D | RM-833 | AEP | SCC-G77G-A | KV-M2541E | RM-833 | Spanish | SCC-G82E-A |
| KV-M2541D | RM-833 | AEP | SCC-G77F-A | KV-M2541L | RM-833 | IRISH | SCC-G83D-A |
| KV-M2541A | RM-833 | Italian | SCC-G81F-A | KV-M2541U | RM-833 | UK | SCC-G87D-A |
| KV-M2540B | RM-833 | French | SCC-G85F-A | KV-M2540K | RM-833 | OIRT | SCC-G86E-A |
| KV-M2540E | RM-833 | Spanish | SCC-G82F-A | KV-M2541K | RM-833 | OIRT | SCC-G86D-A |



TRINITRON[®] COLOR TV
SONY[®]

KV-M254

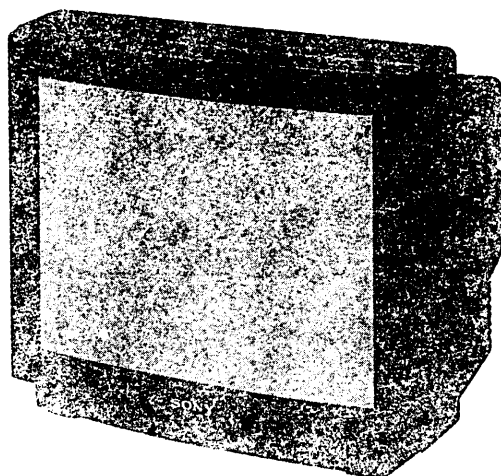




KV-X2141D/X2541D/X2941D

RM-816

SERVICE MANUAL



AE-1C CHASSIS

AEP Model

KV-X2141D

Chassis No. SCC- F07M-A

KV-X2541D

Chassis No. SCC- F07N-A

KV-X2941D

Chassis No. SCC- F07L-A

[KV-X2141D/X2541D/X2941D]

SPECIFICATIONS

Television system. B/G/H
 Colour system. PAL/SECAM, NTSC3.58, NTSC4.43
 Stereo system. GERMAN stereo.
 Channel coverage. VHF: E2-E12 UHF: E21-E69
 CABLE TV (1) : S1-S41
 CABLE TV (2) : S01-S05, M1-M10, U1-U10.
 Picture tube. Hi-Black Trinitron tube
 Approx. 55 cm [21 inch]
 (Approx. 51 cm picture measured diagonally)
 100°-degree deflection
 Approx. 63 cm [25 inch]
 (Approx. 59 cm picture measured diagonally)
 110°-degree deflection
 Approx. 72 cm [29 inch]
 (Approx. 68 cm picture measured diagonally)
 110°-degree deflection
 Rear Input/Output
 Sockets : Ⓒ - 1/21-pin Euro connector:
 (CENELEC standard) inputs for Audio/
 Video signals and RGB.
 Outputs for Audio and Video signals.
 Ⓒ 2/ Ⓒ 21-pin Euro connector: inputs
 Audio / Video and S-Video signals.
 Ⓒ Audio output (variable) - phono jacks

Front Input/Output
 Sockets. Ⓒ Video input - phono jack.
 Ⓒ Audio inputs - (L,R) phono jacks.
 Ⓒ S-Video input - 4pin DIN.
 Headphone jack output : stereo mini jack.
 Sound output. 15W+15W (Music)
 Power consumption. 87Wh (KV-X2141D)
 101Wh (KV-X2541D)
 109Wh (KV-X2941D)
 Dimensions. Approx. 513 x 438 x 474mm (w/h/d) 21inch
 Approx. 575 x 489 x 480mm (w/h/d) 25inch
 Approx. 656 x 554 x 512mm (w/h/d) 29inch
 Weight. Approx. 25.5kg 21inch
 Approx. 35kg 25 inch
 Approx. 52kg 29inch
 Supplied accessories. RM-816 Remote Commander (1)
 IEC designation R6 batteries (2)

[RM-816]

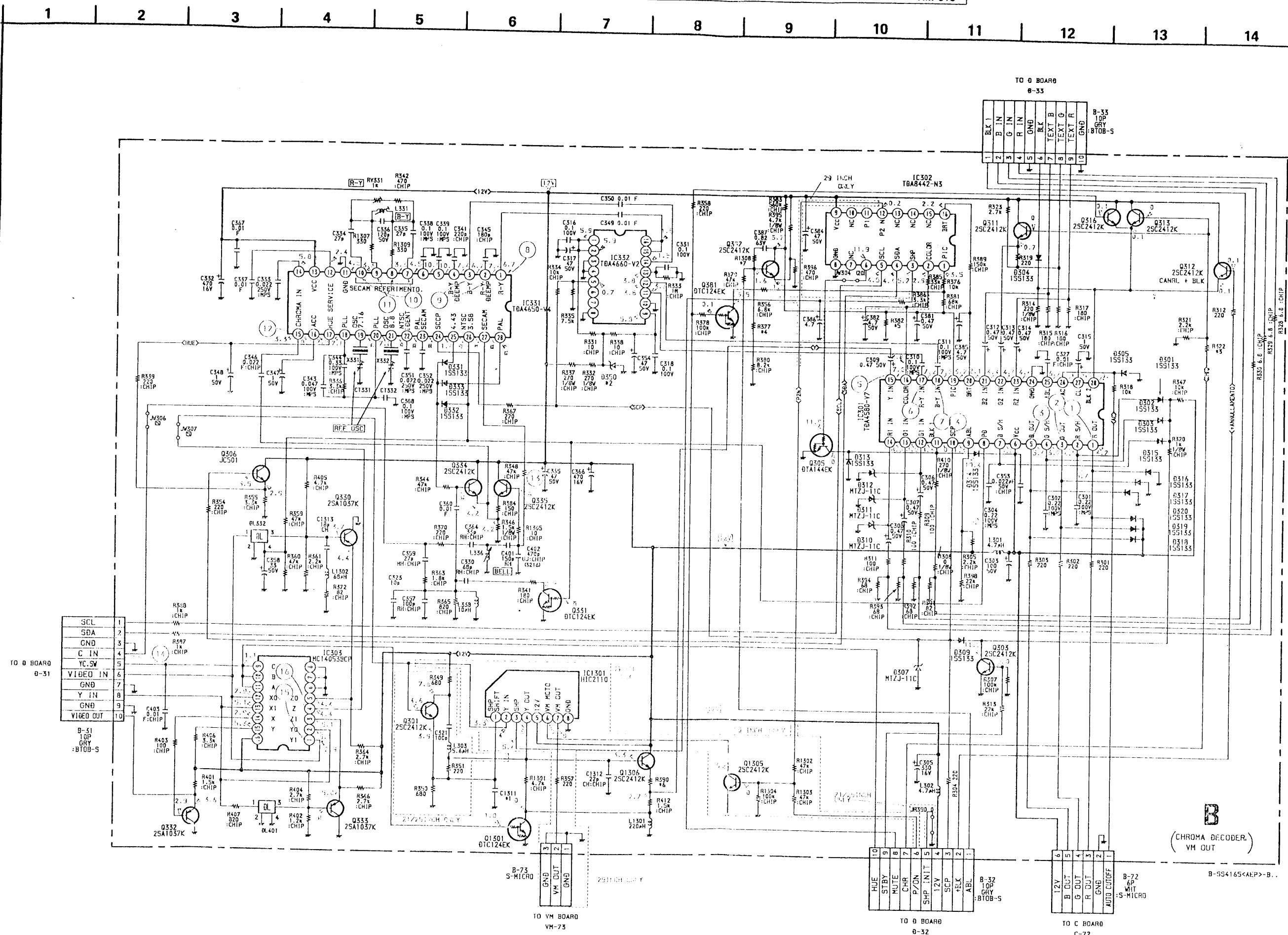
Remote control system infrared control
 Power requirements. 3V dc
 2 batteries IEC designation
 R6 (size AA)
 Dimensions. Approx. 75 x 221 x 23mm (w/h/d)
 Weight. Approx. 230g (including batteries).

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV

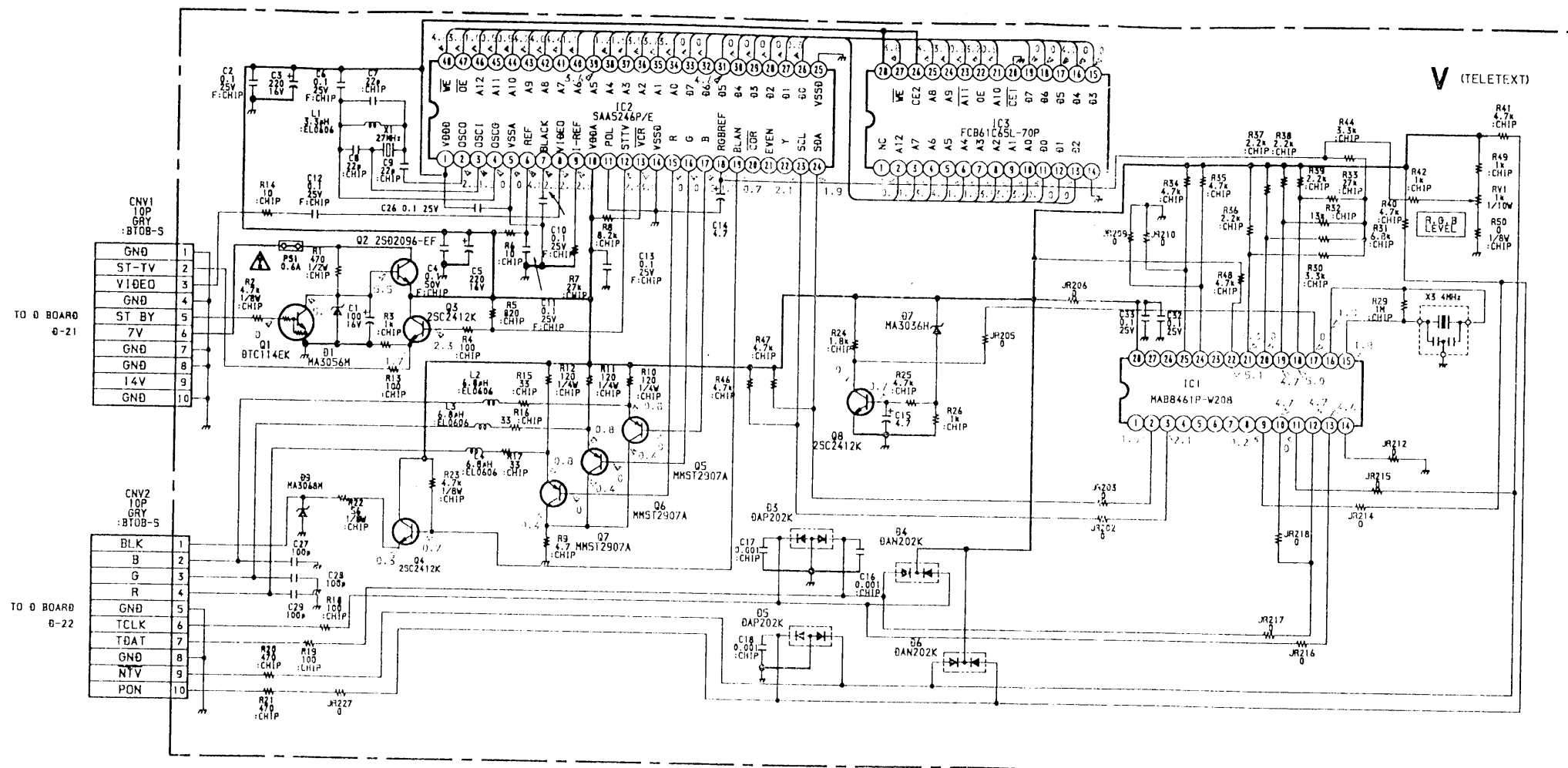
SONY



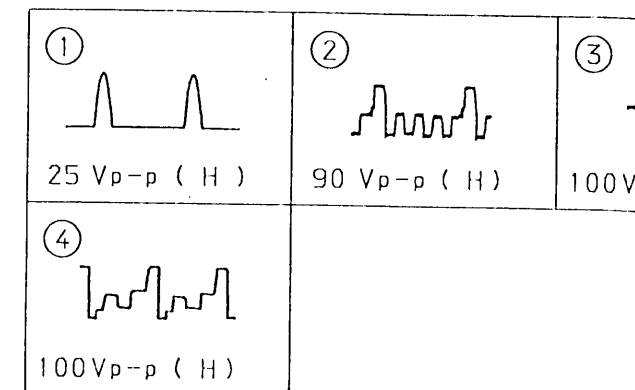
| B Board | |
|---------|------|
| IC301 | VID |
| IC302 | D/A |
| IC303 | Y/C |
| IC331 | CO |
| IC332 | IH-I |
| IC1301 | SH |
| Q301 | Y A |
| Q303 | STE |
| Q305 | AN |
| Q306 | VID |
| Q311 | ON |
| Q312 | CAN |
| Q313 | ON |
| Q316 | FAS |
| Q330 | VID |
| Q331 | NTS |
| Q332 | VID |
| Q333 | Y A |
| Q334 | PAL |
| Q335 | SEQ |
| Q381 | MU |
| Q1301 | Y BU |
| Q1305 | Y O |
| Q1306 | Y O |
| D301 | ACC |
| D302 | ACC |
| D303 | ACC |
| D304 | DEC |
| D305 | PRC |
| D307 | PRC |
| D309 | PRC |
| D310 | PRC |
| D311 | PRC |
| D312 | PRC |
| D313 | PRC |
| D314 | PRC |
| D315 | PRC |
| D316 | PRC |
| D317 | PRC |
| D318 | PRC |
| D319 | PRC |
| D320 | PRC |
| D331 | SEC |
| D332 | SEC |
| D333 | SEC |
| D350 | PRC |

| B Board * Mark List | |
|------------------------|----|
| *1 C1311 | 56 |
| *2 D350 | MI |
| *3 R322 | 1K |
| *4 R377 | 33 |
| *5 R382 | 27 |
| *6 R390 | 22 |
| *7 R1308 | 0 |

| | |
|-------|------|
| IC301 | (8) |
| IC331 | (9) |
| | (19) |
| | (21) |
| | (23) |
| | (23) |
| | (25) |
| | (26) |
| | (27) |
| Q331 | (B) |
| | (C) |
| Q333 | (B) |
| Q334 | (B) |
| Q335 | (B) |



Waveform C Board

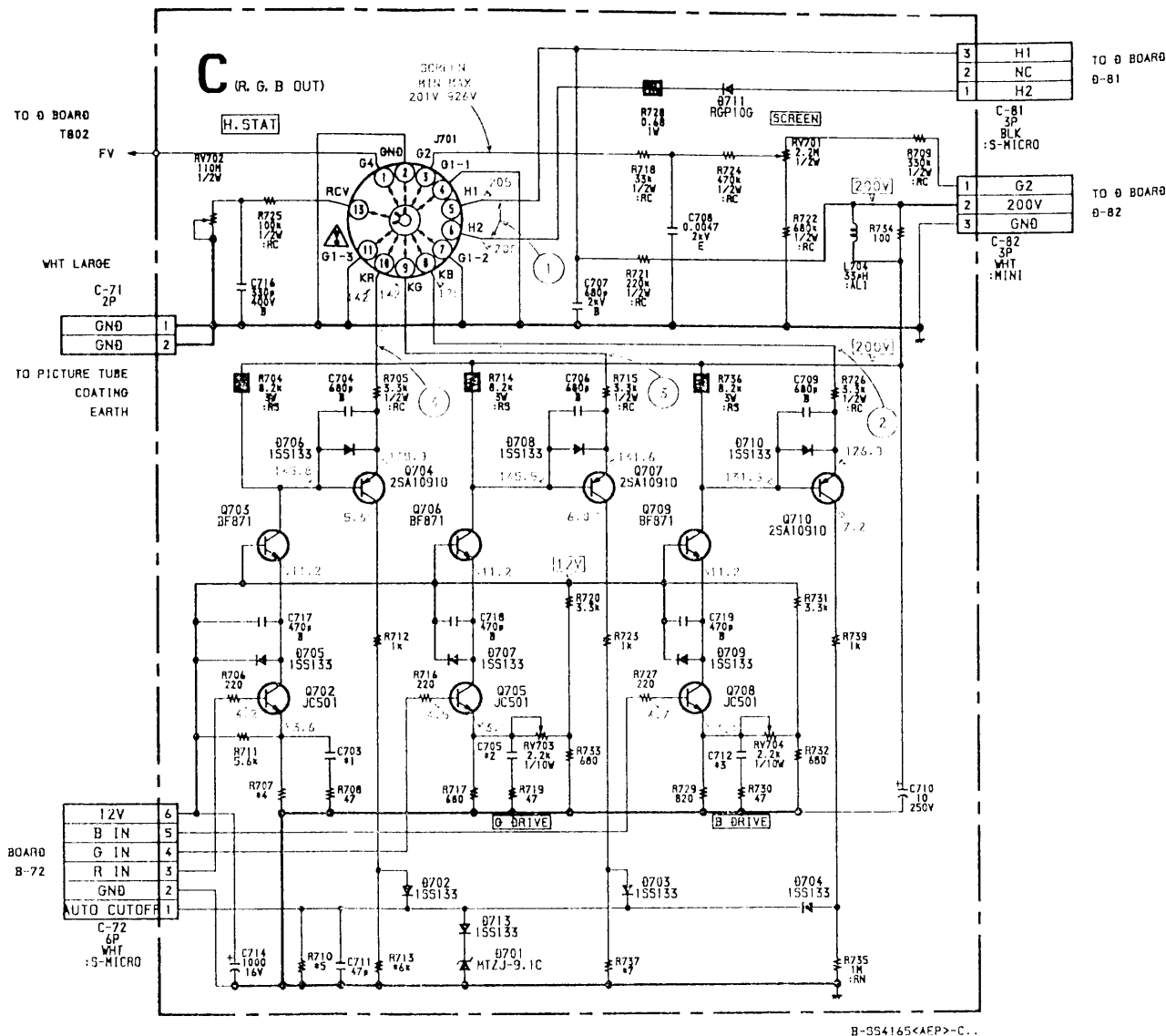
C Board
* Mark List

| | 21 inch | 25 inch |
|----|---------|---------|
| *1 | C703 | 270pF |
| *2 | C705 | 180pF |
| *3 | C712 | 270pF |
| *4 | R707 | 430 |
| *5 | R710 | 100K |
| *6 | R713 | 160K |
| *7 | R737 | 390K |

V Board

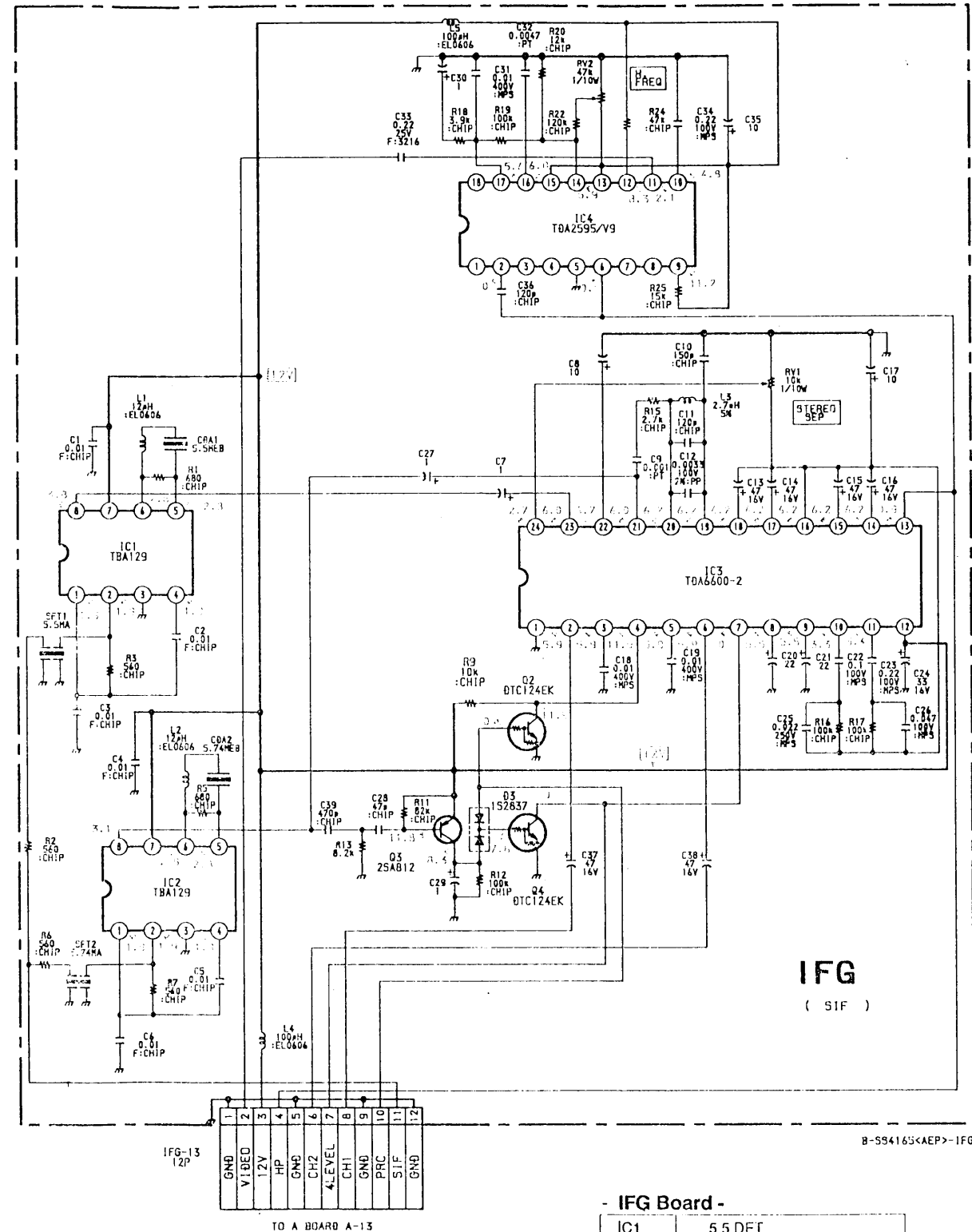
| | |
|-----|-------------|
| IC1 | MICRO-CONT |
| IC2 | IVT |
| IC3 | STATIC-RAM |
| Q1 | STAND-BY |
| Q2 | 5V REG |
| Q3 | SYNC BUFFER |
| Q4 | BLK OUT |
| Q5 | B OUT |
| Q6 | G OUT |
| Q7 | R OUT |
| Q8 | RESET |
| D1 | 5V REG |
| D3 | PROTECT |
| D4 | PROTECT |
| D5 | PROTECT |
| D6 | PROTECT |
| D7 | PROTECT |
| D9 | PROTECT |

17 18 19 20 21 22 23 24 25 26 27 28 29 30



C Board

| | |
|------|--------------------|
| Q702 | R DRIVE |
| Q703 | R OUT |
| Q704 | ACO MEASURING |
| Q705 | G DRIVE |
| Q706 | G OUT |
| Q707 | ACO MEASURING |
| Q708 | B DRIVE |
| Q709 | B OUT |
| Q710 | ACO MEASURING |
| D701 | PROTECT |
| D702 | PROTECT |
| D703 | PROTECT |
| D704 | PROTECT |
| D705 | PROTECT |
| D706 | PROTECT |
| D707 | PROTECT |
| D708 | PROTECT |
| D709 | PROTECT |
| D710 | PROTECT |
| D711 | HEATER VOLTAGE REC |
| D713 | PROTECT |

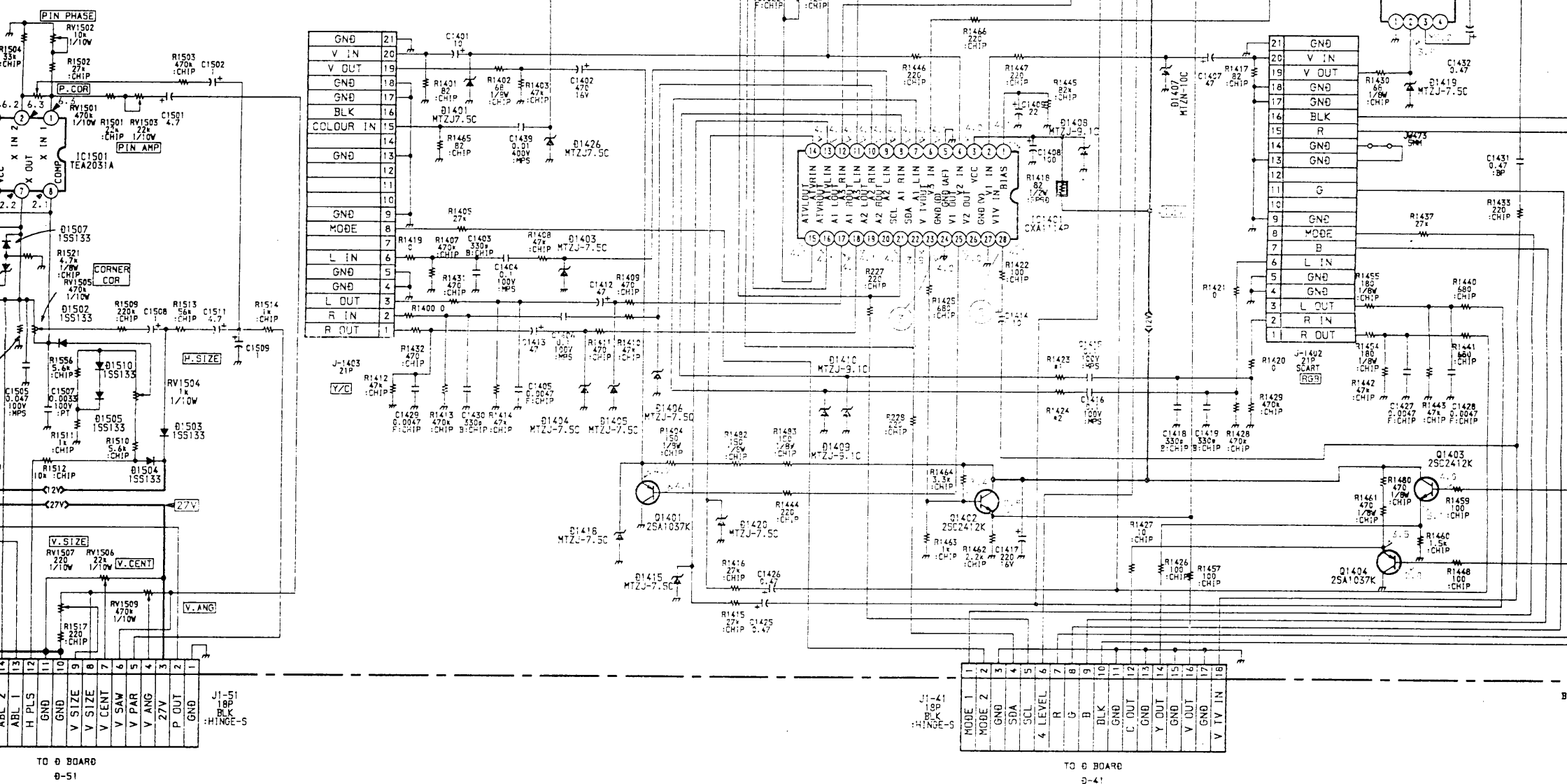


- IFG Board -

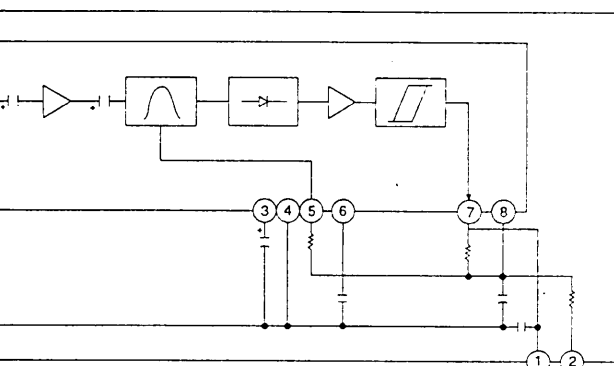
| | |
|-----|-------------------|
| IC1 | 5.5 DET |
| IC2 | SIF DET AMP |
| IC3 | H FREQ AMP |
| IC4 | HORIZ COMBINATION |
| Q2 | SW |
| Q3 | SW |
| Q4 | SW |
| Q5 | SW |

| 25 inch | 29 inch |
|-------------|---------|
| 0.022/250V | |
| 820P | |
| 0.0068/400V | |
| 680K | |
| 470K | 390K |
| 15MM JW | 1 1W |

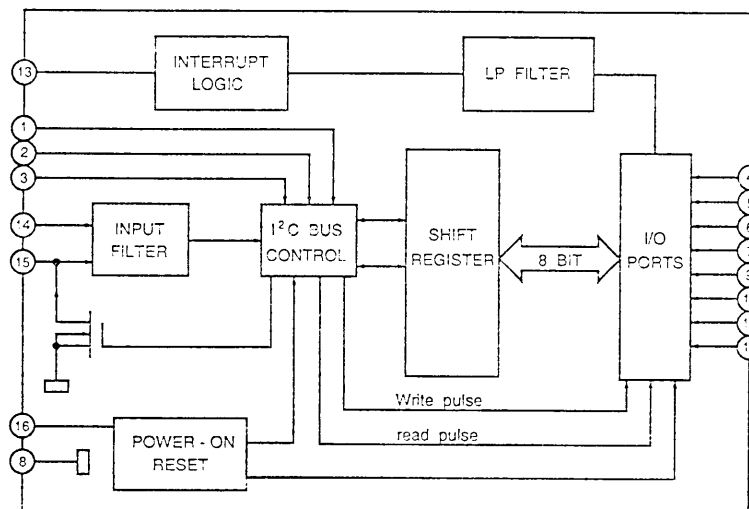
NOT MOUNTED



X1610-11



A Board IC103 PCF8574



J1 Board IC201 TDA6200

