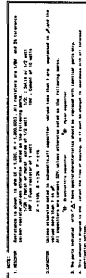
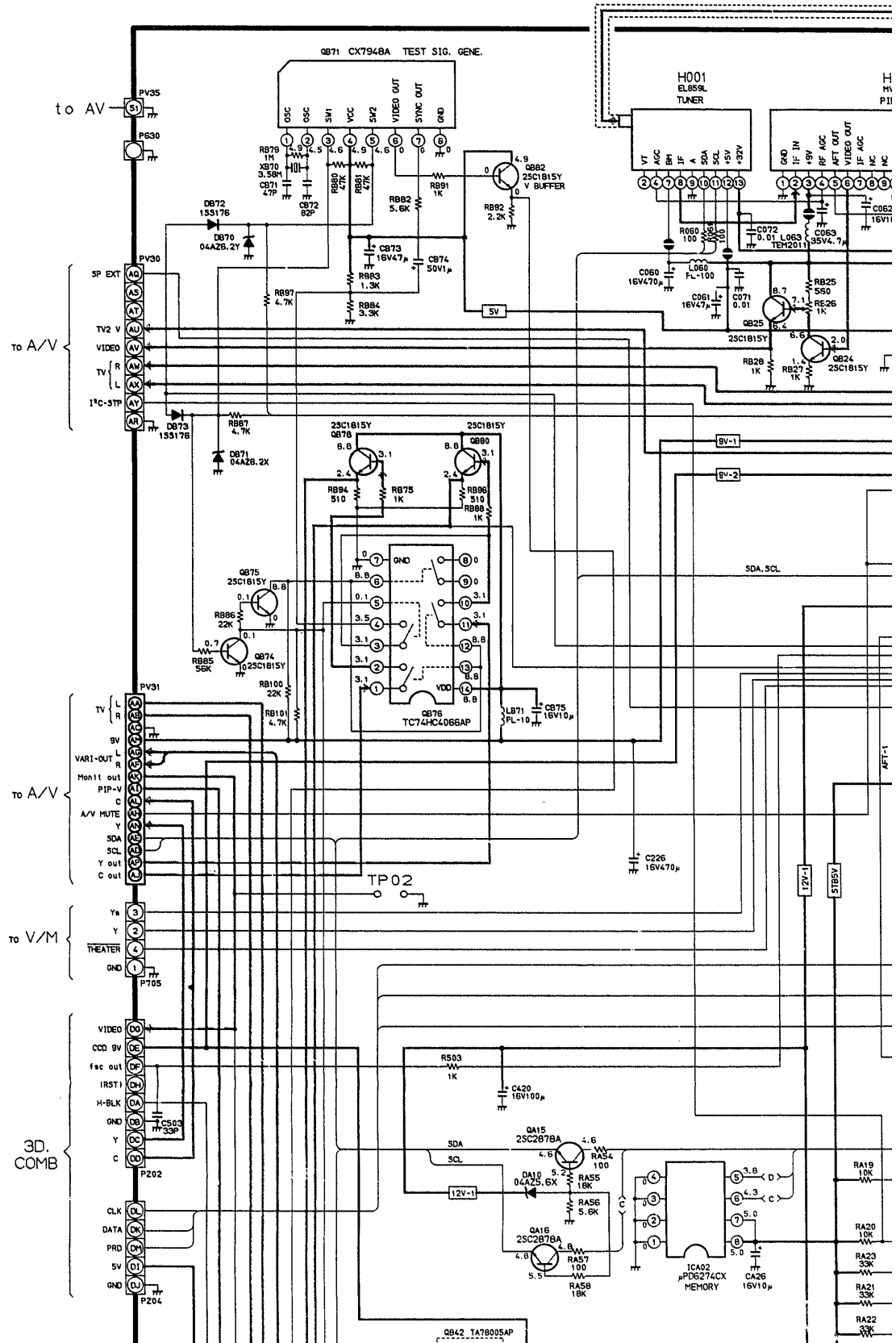


### SCHEMATIC DIAGRAM

### SCHEMATIC DIAGRAM

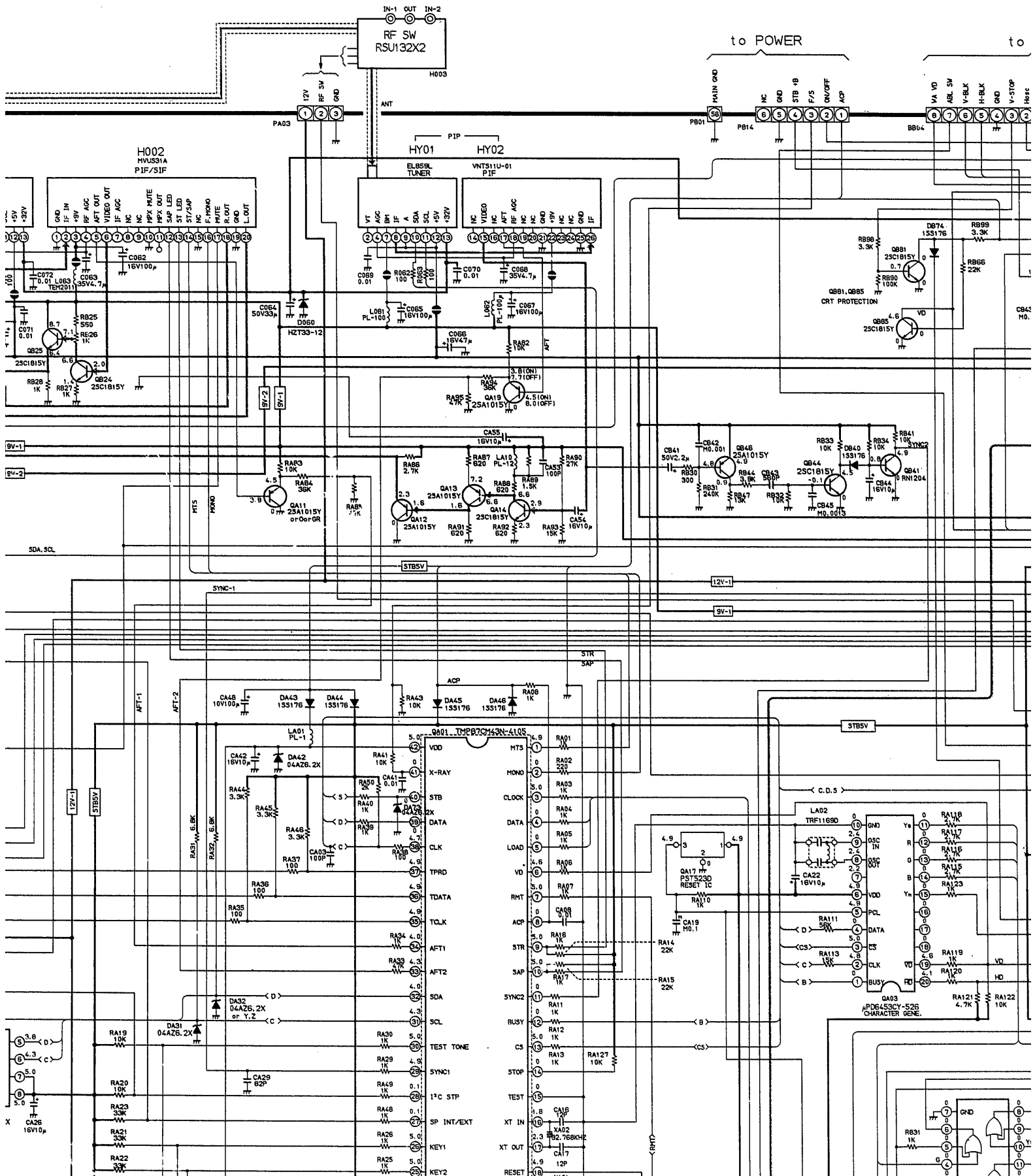


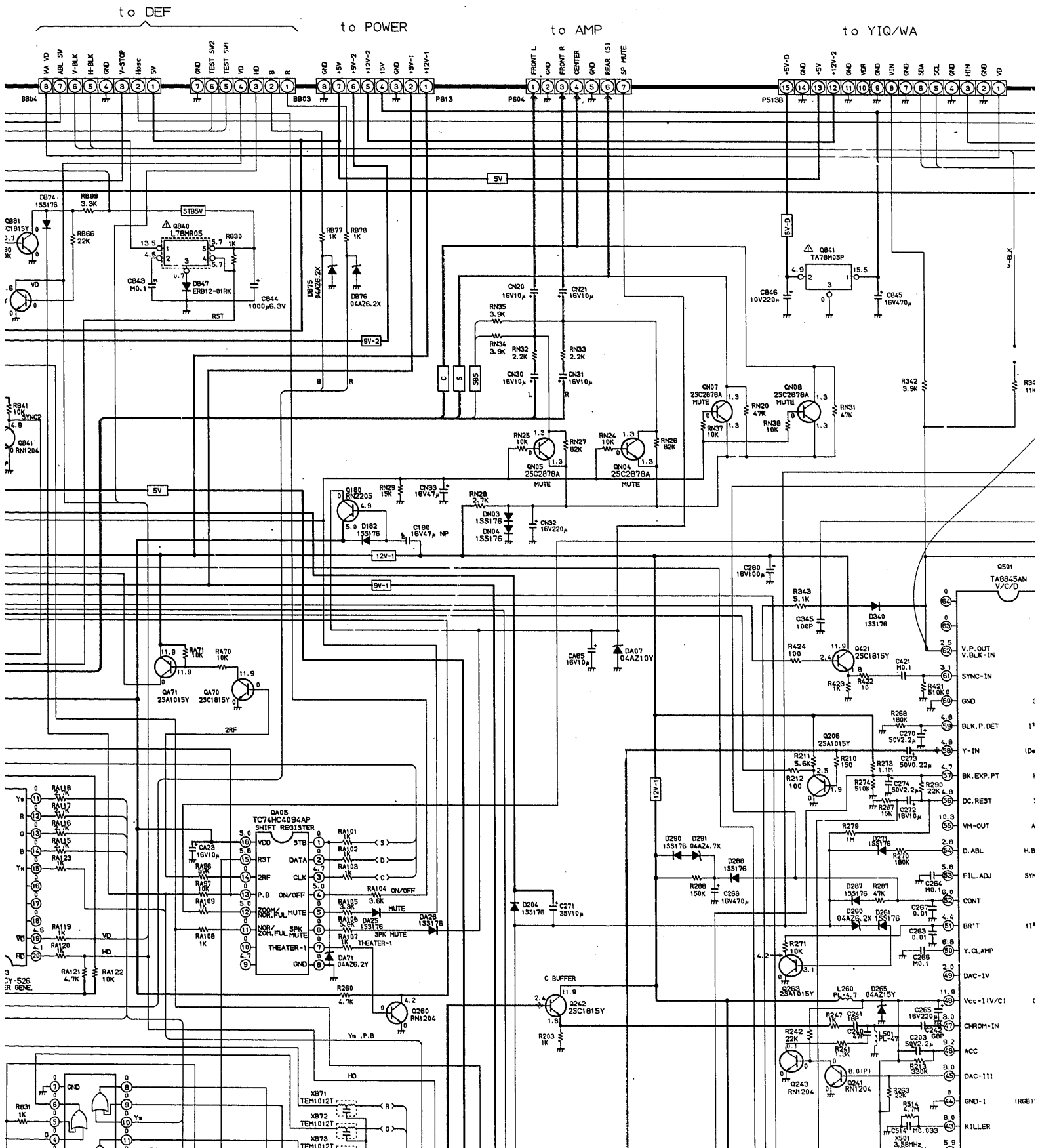
MAIN UNIT PB4364



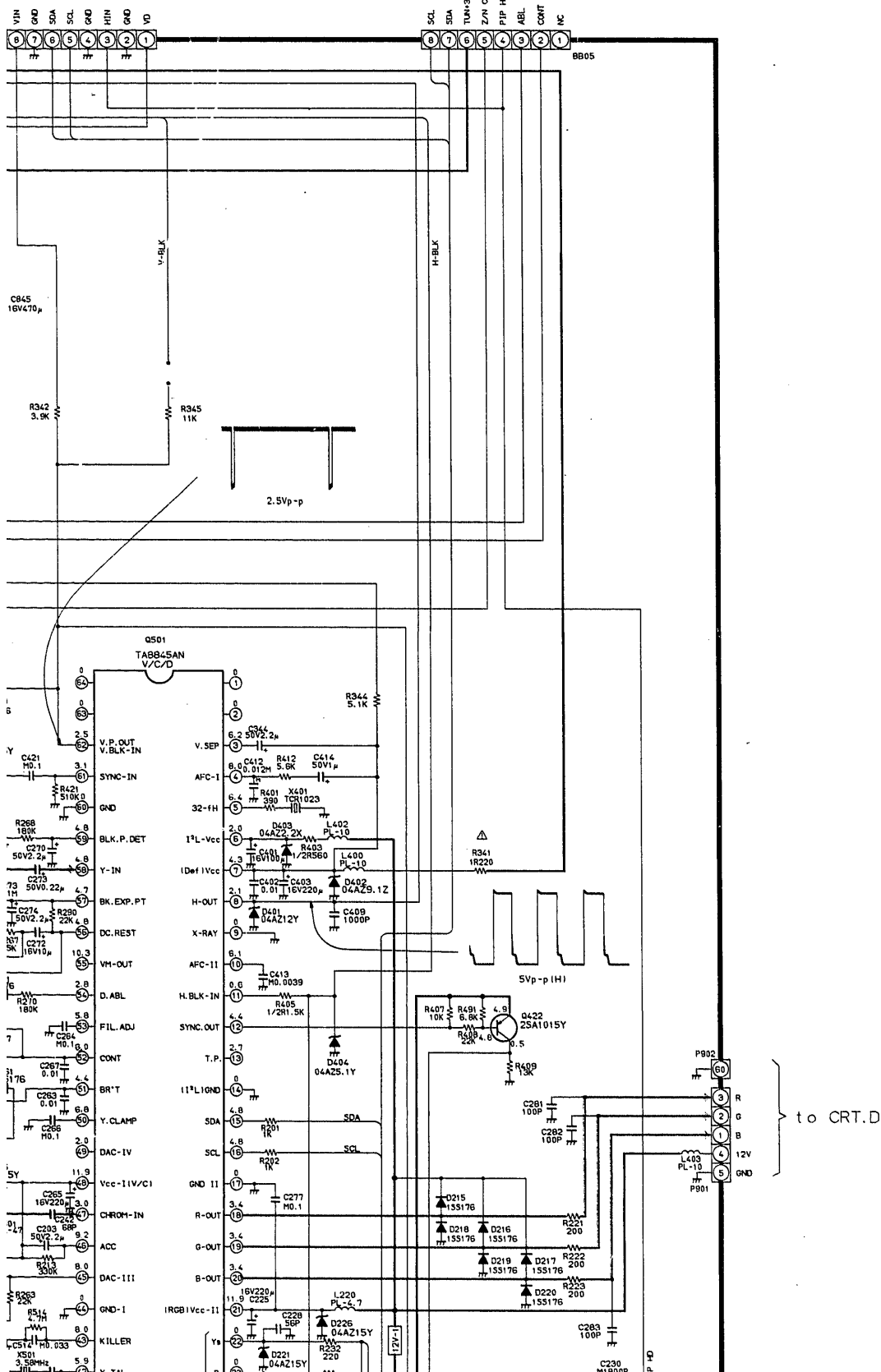
# SCHEMATIC DIAGRAM

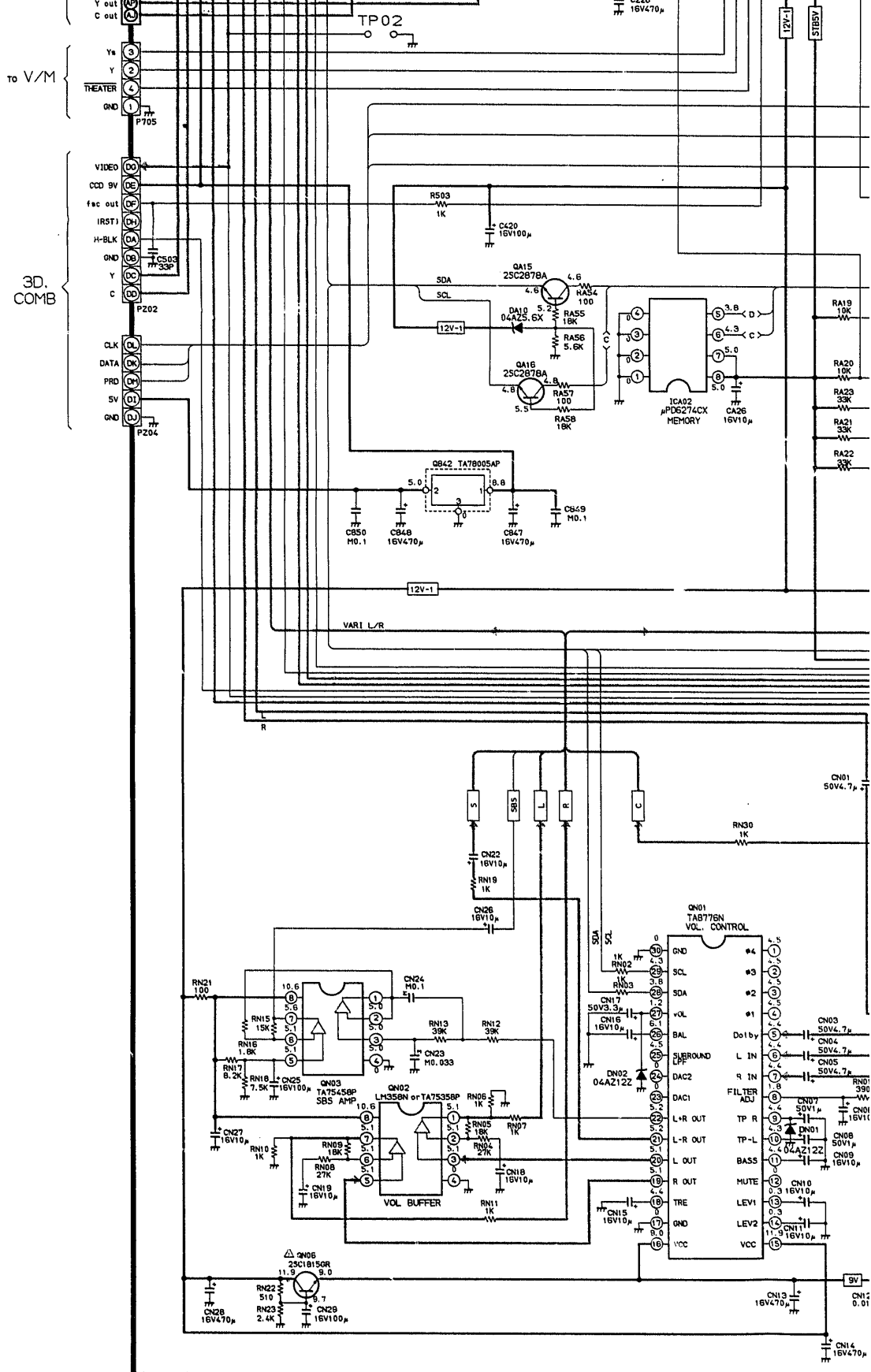
MODEL: TW56D



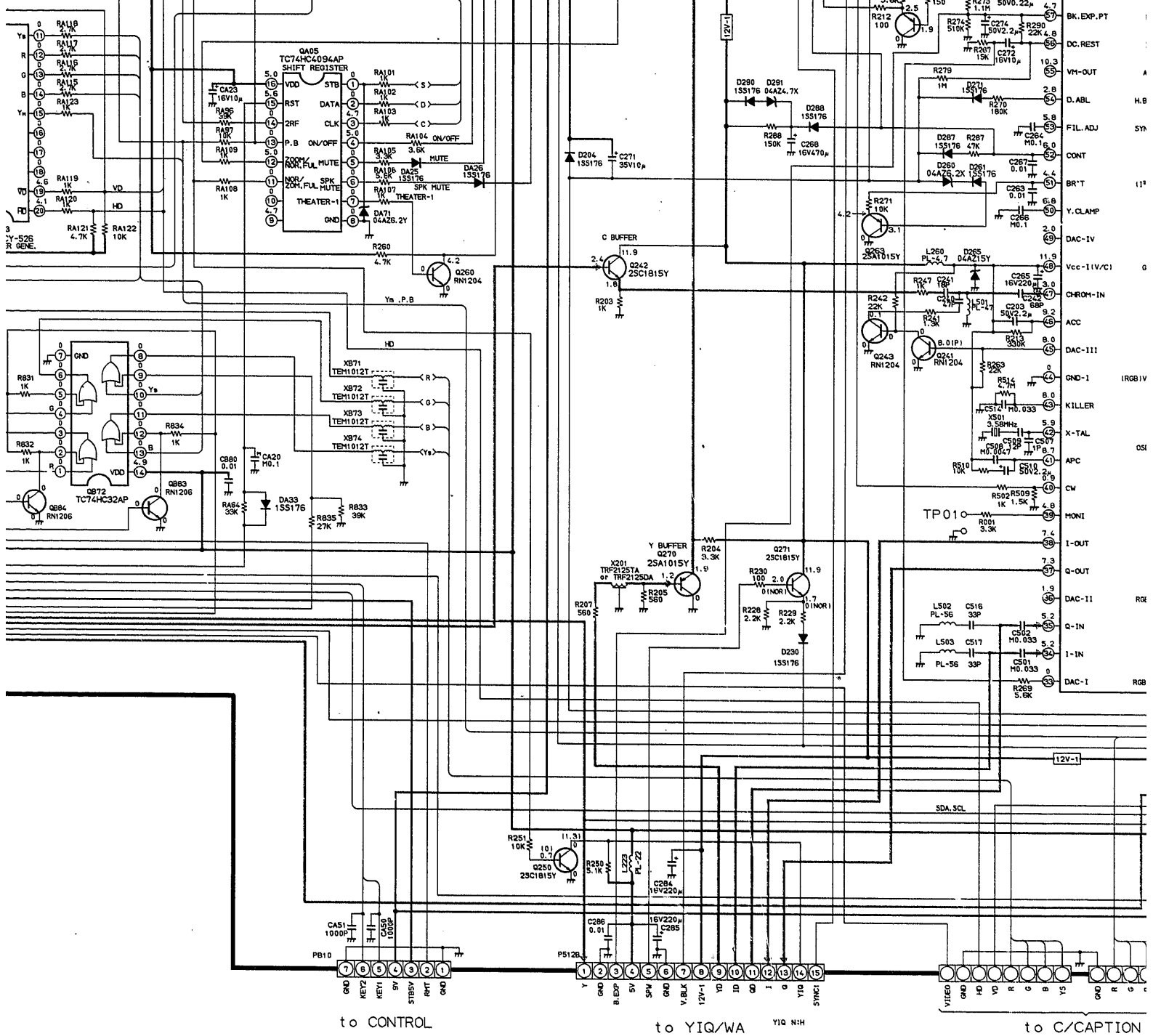


to DEF







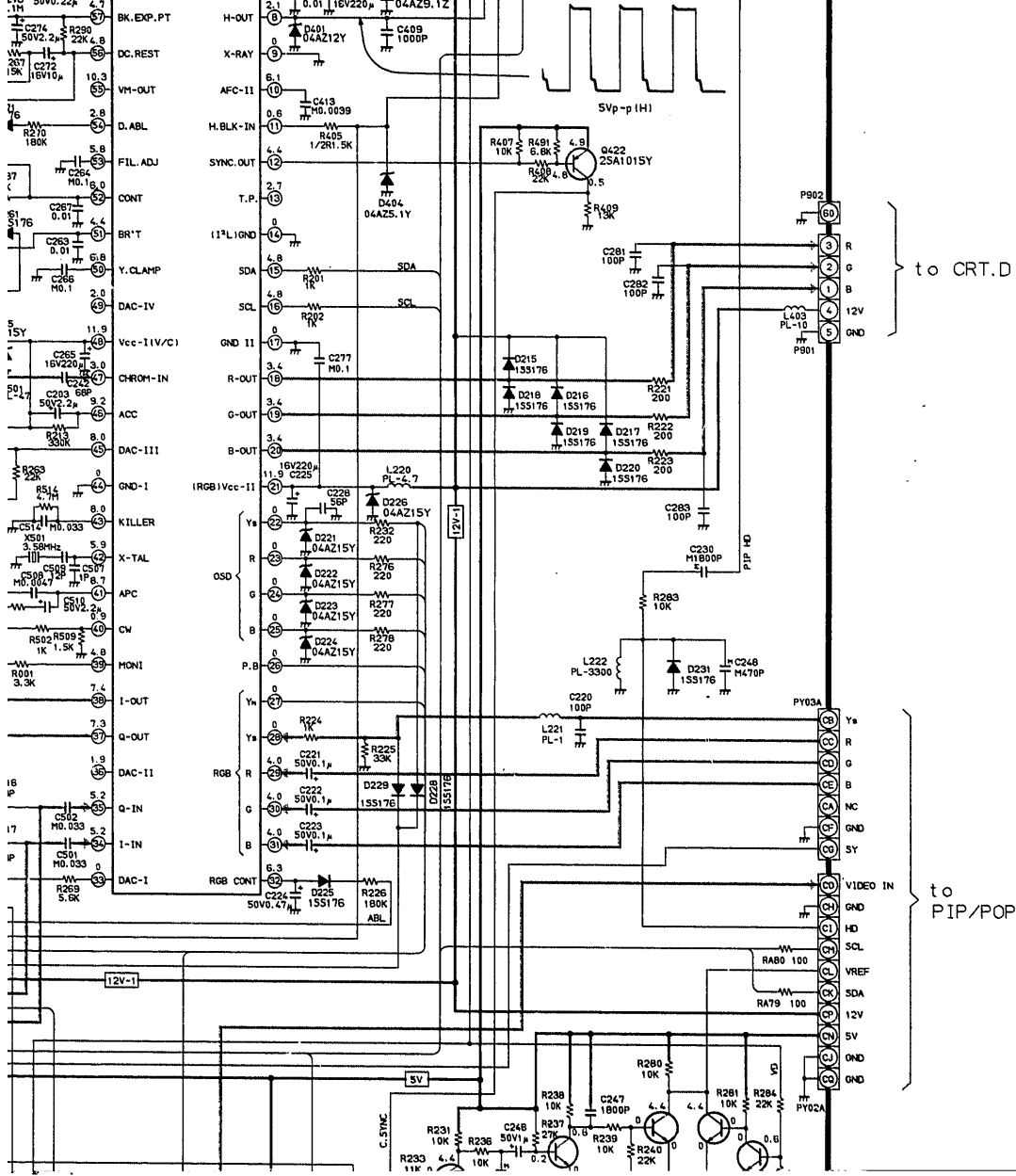


are 1/6W and 5% tolerance  
of 1/2 watt  
of 10 watts

are expressed in  $\mu$ F, and the  
ig marks.

tical parts only.  
ance with all informed





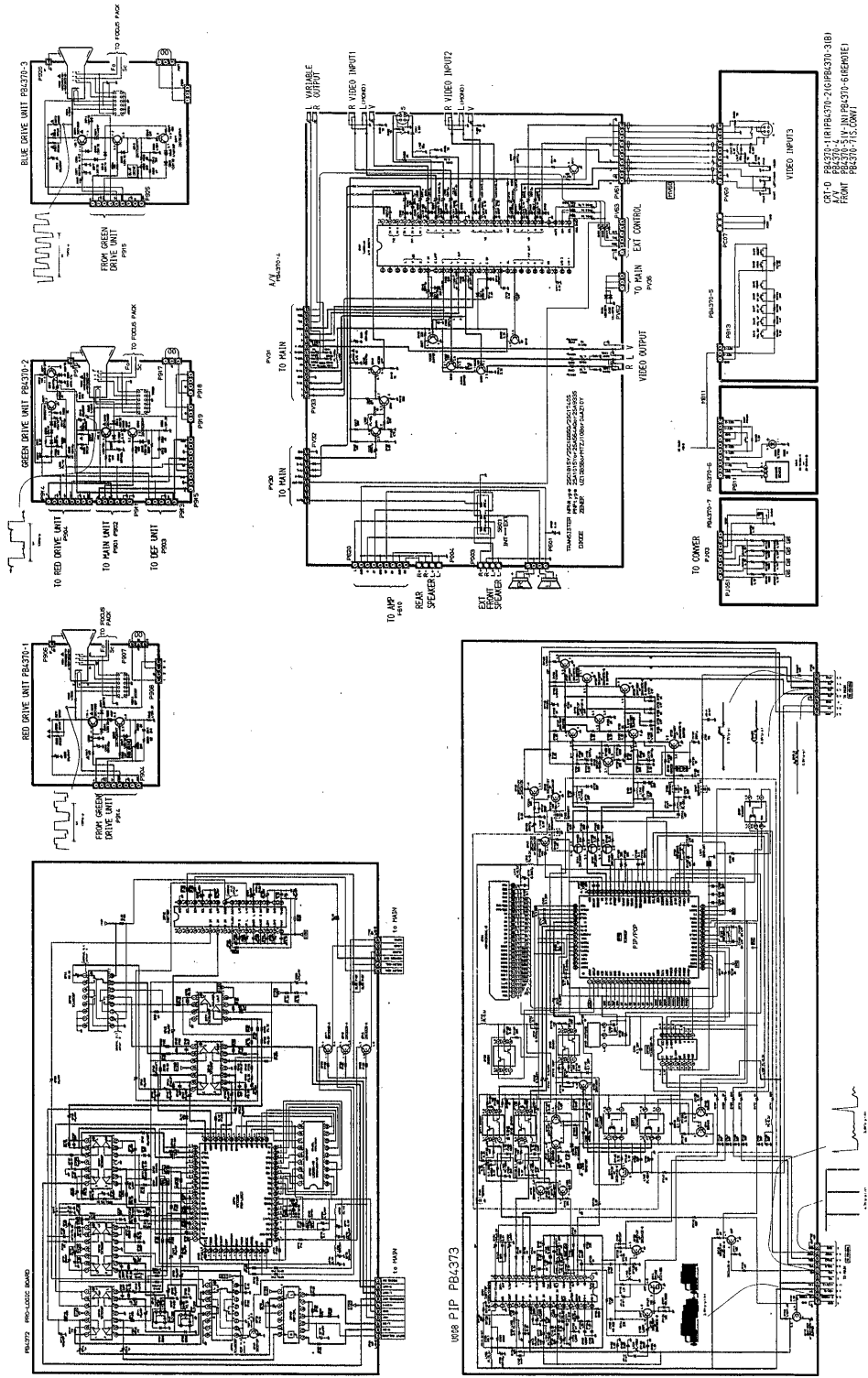
### SCHEMATIC DIAGRAM

**WARNING:** BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

**CAUTION:** The international hazard symbols "A" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the **PRODUCT SAFETY NOTICE** on page 2. Do not degrade the safety of the receiver through improper servicing.

**NOTE:**

1. RESISTOR  
Resistance is shown in ohms ( $\Omega$ ) or kilohms ( $k\Omega$ ). A resistor with a tolerance of  $\pm 1000.000002\%$  is indicated by the letter R followed by the resistance value.  
Resistor values are given as follows:  
120R = Metal or metal oxide of 120 watt  
120K = Metal or metal oxide of 12 watt  
120W = Cement of 10 watt
2. CAPACITOR  
Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values are given in picofarads (pF).  
All capacitors are ceramic 50V, unless otherwise noted as the following marks:  
 $\frac{1}{2}$  Mylar capacitor  
 $\frac{1}{2}$  Electrolytic capacitor  
The parts indicated with \* have special characteristics, and should be replaced with identical parts only.

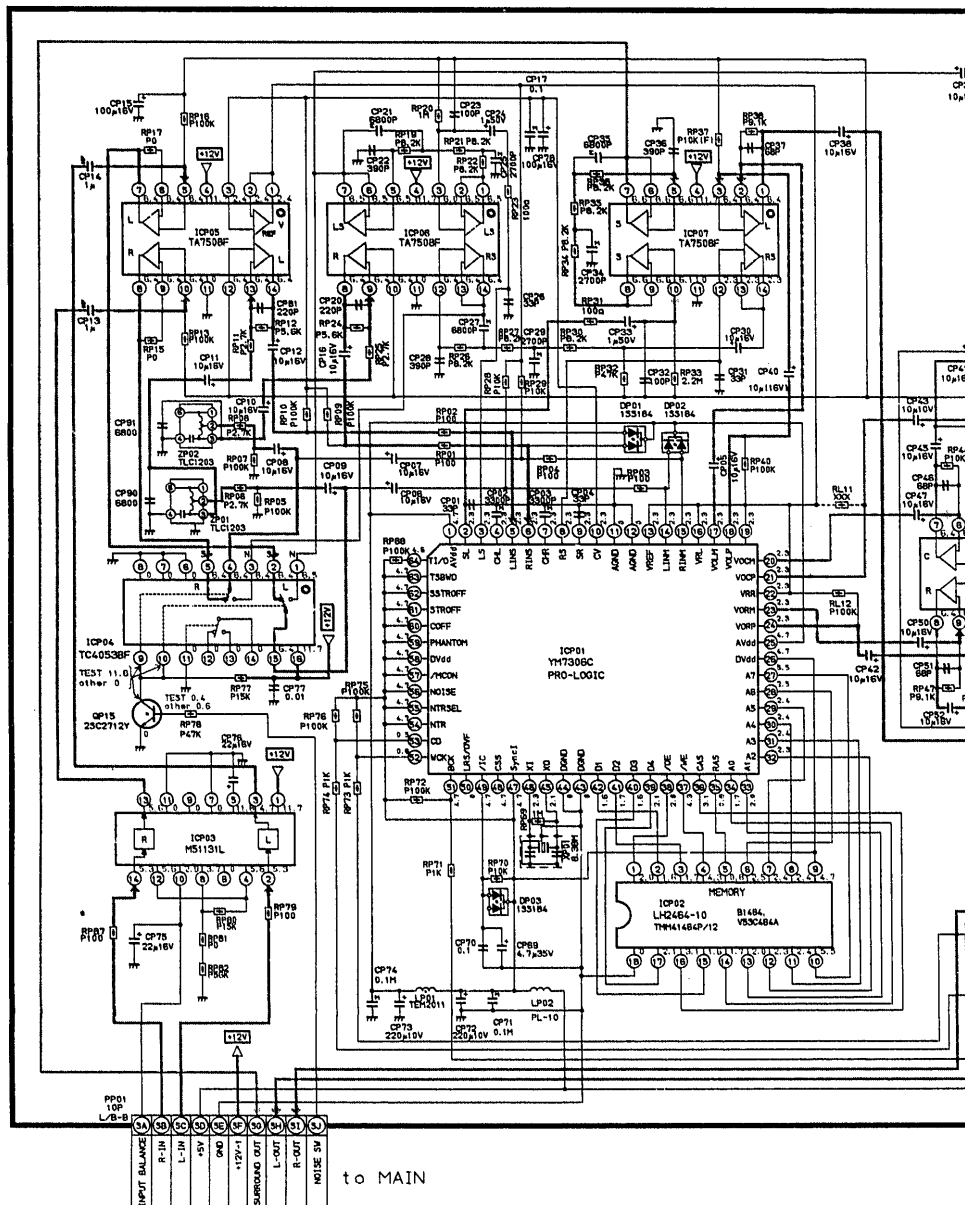


CRT-0 PB370-1R/PB370-2/G/PB370-3/BH  
A/V PB370-4  
FRONT PB370-5/V-INI/PB370-6(REMOTE)  
PB370-7/S.CONV

**WARNING:** BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

**CAUTION:** The international hazard symbols "⚠" in the schematic diagram and which have special characteristics important for safety and should be replaced in the original circuit or specified in the parts list. The mounting position of the components must be as shown in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the PROLOGIC not degrade the safety of the receiver through improper servicing.

PB4372 PRO-LOGIC BOARD



# SCHEMATIC DIAGRAM

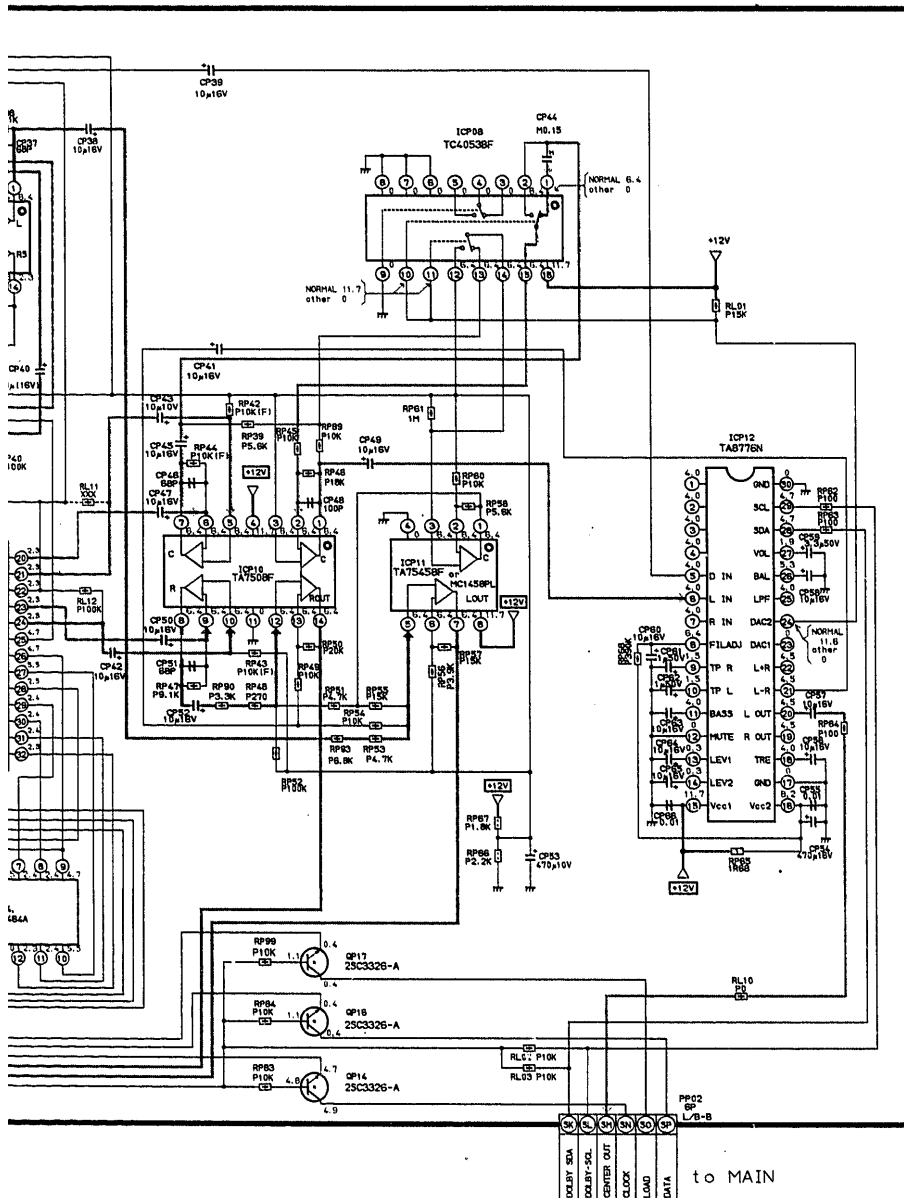
MODEL: TW56D

DO THE "X-RAY RADIATION PRECAUTION", "SAFETY PAGE 2 OF THIS MANUAL.

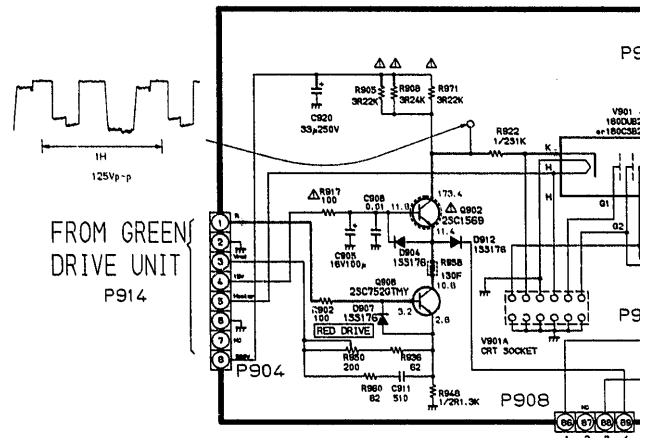
Schematic diagram and the parts list designate components and should be replaced only with types identical to those. Position of replacements is to be identical with and carefully the PRODUCT SAFETY NOTICE on page 2. Do servicing.

## NOTE:

- RESISTOR** Resistance is shown in ohm [K = 1,000, M = 1,000,000]. All resistor, unless otherwise noted as the following marks.  
1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbo  
1RF = Fuse resistor of 1 watt 10W = Ceme  
K =  $\pm 10\%$  G =  $\pm 2\%$  F =  $\pm 1\%$
- CAPACITOR** Unless otherwise noted in schematic, all capacitor values less than 1 more than 1 in pF.  
All capacitors are ceramic 50V, unless otherwise noted as the following marks.  
+ Electrolytic capacitor - Mylar capacitor
- The parts indicated with "  $\Delta$  " have special characteristics, and should be



## RED DRIVE UNIT PB437



$\lambda = 1.000.000$ . All resistors are 1/6W and 5% tolerance carbon following marks.

1/2S = Carbon compisition of 1/2 watt

10W = Cement of 10 watt

capacitor values less than 1 are expressed in  $\mu F$ , and the values

therwise noted as the following marks.

— Mylar capacitor

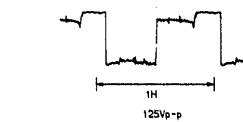
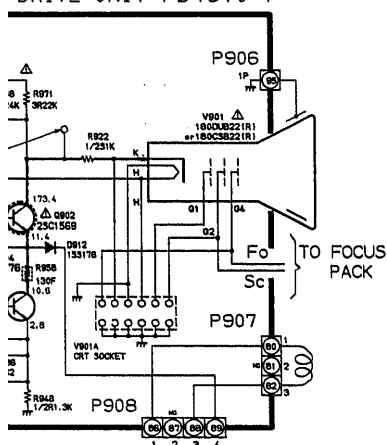
eristics, and should be replaced with identical parts only.

4. Voltages read with DIGITAL MULTI-METER from point indicated to chas at normal, line voltage 120 volts.

5. Waveforms are taken receiving color bar signal with enough sensi

6. Voltage reading shown are nominal values and may vary  $\pm 20\%$  e)

DRIVE UNIT PB4370-1

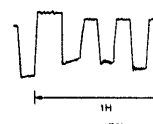
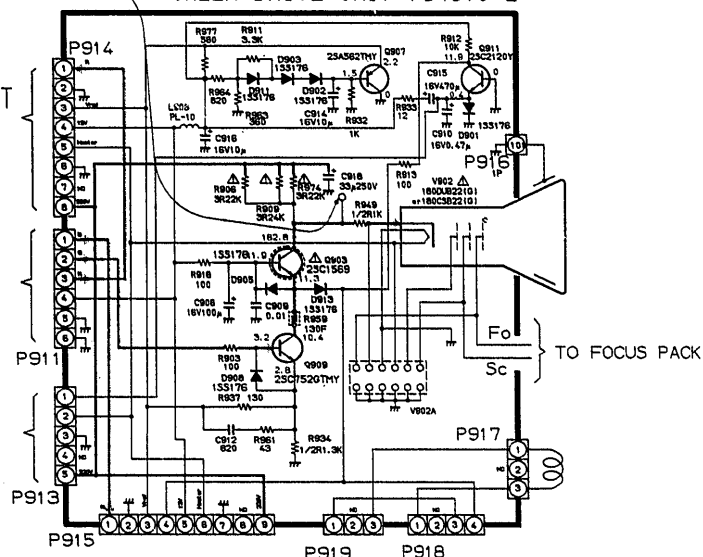


TO RED DRIVE UNIT  
P904

TO MAIN UNIT  
P901 P902

TO DEF UNIT  
P903

GREEN DRIVE UNIT PB4370-2



FROM GR  
DRIVE UI  
P915

PV30

TO MAIN

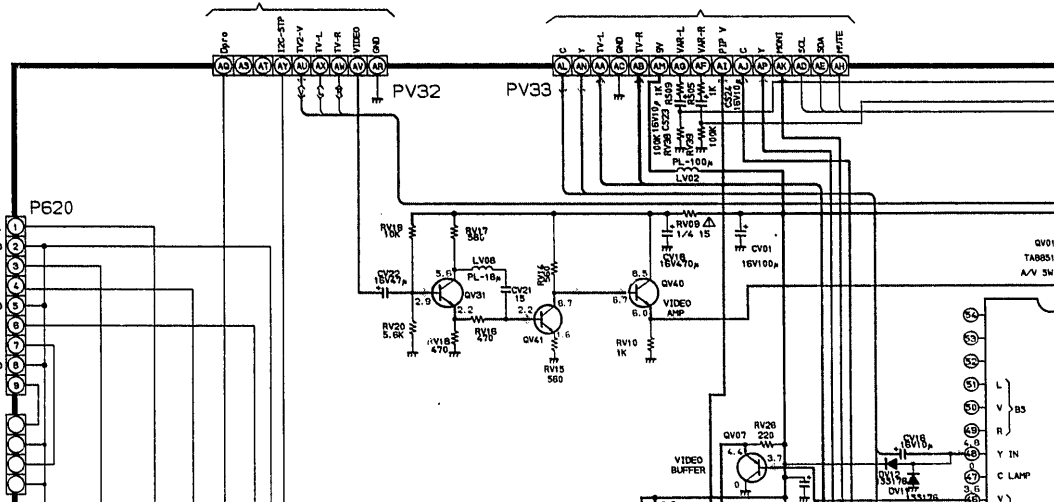
PV31

TO MAIN

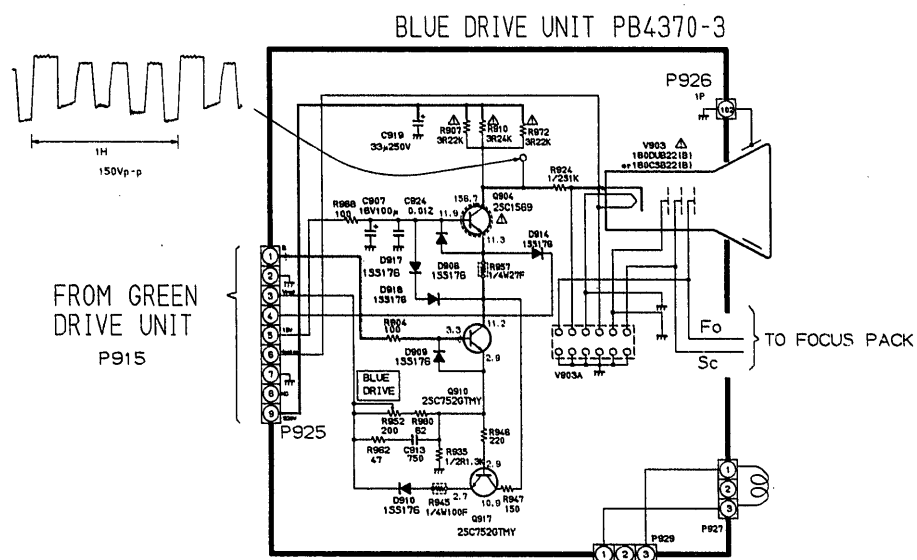
A/V  
PB4370-4

TO AMP  
P610

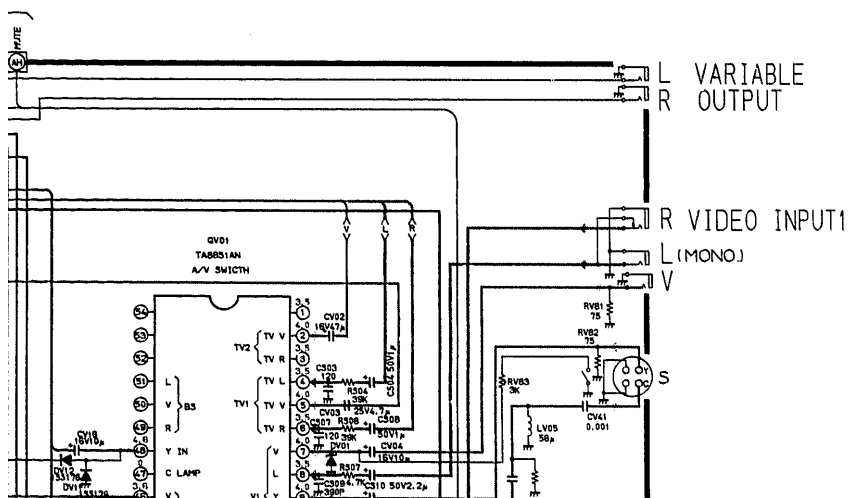
REAR  
SPEAKER



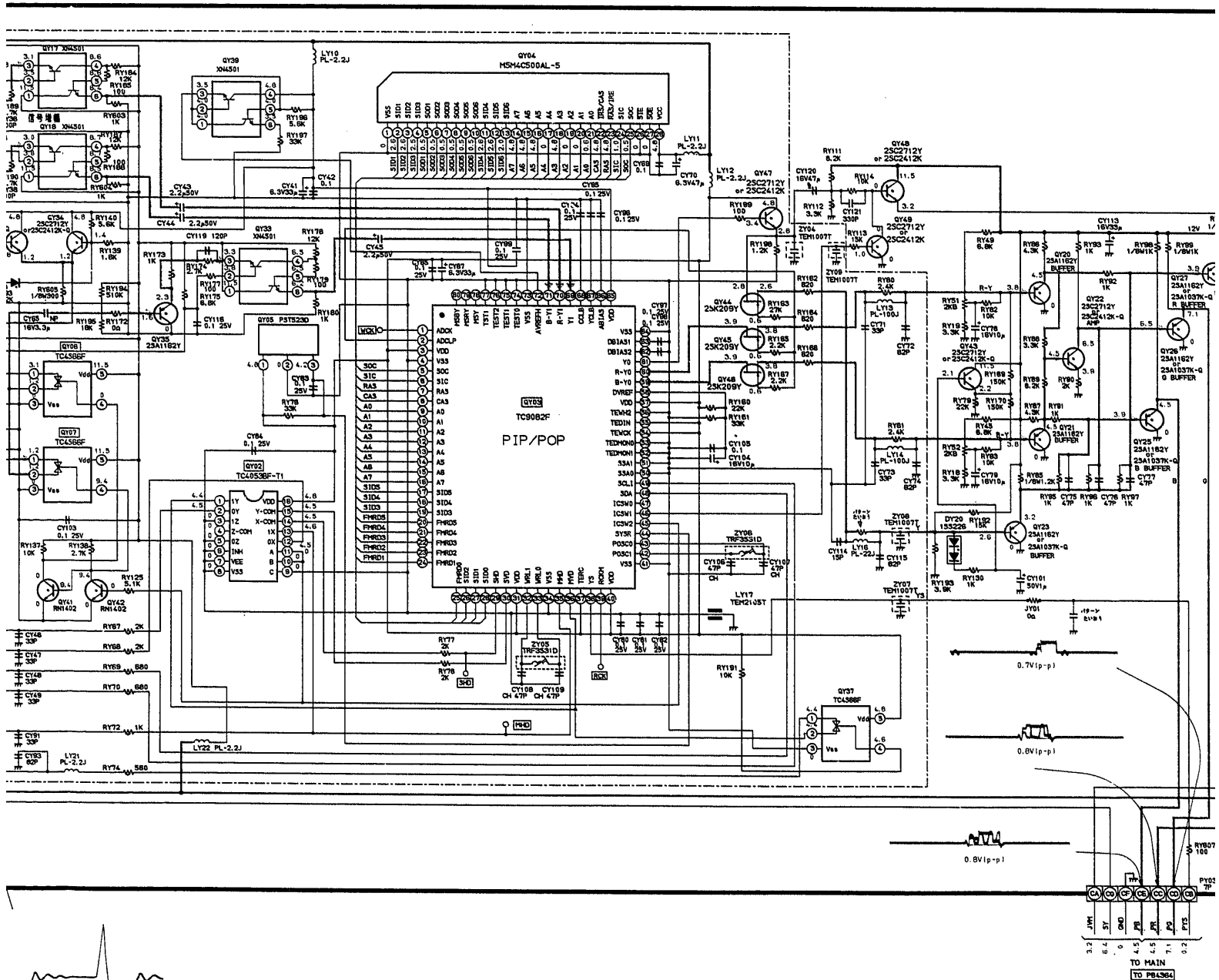
al with enough sensitivity.  
d may vary  $\pm 20\%$  except H.V.



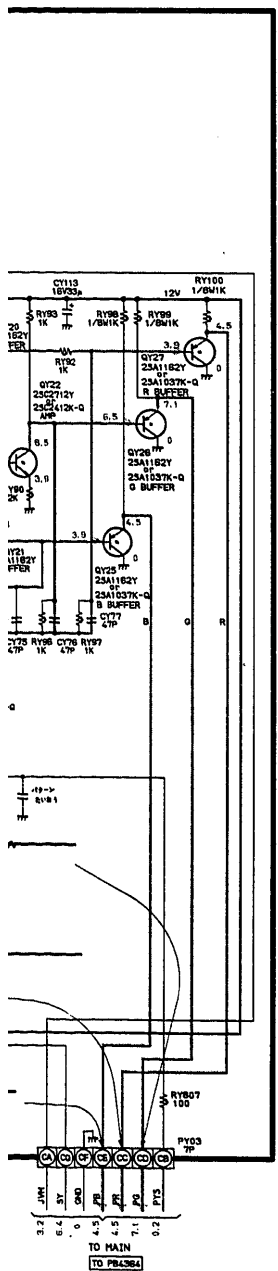
A/V  
PB4370-4

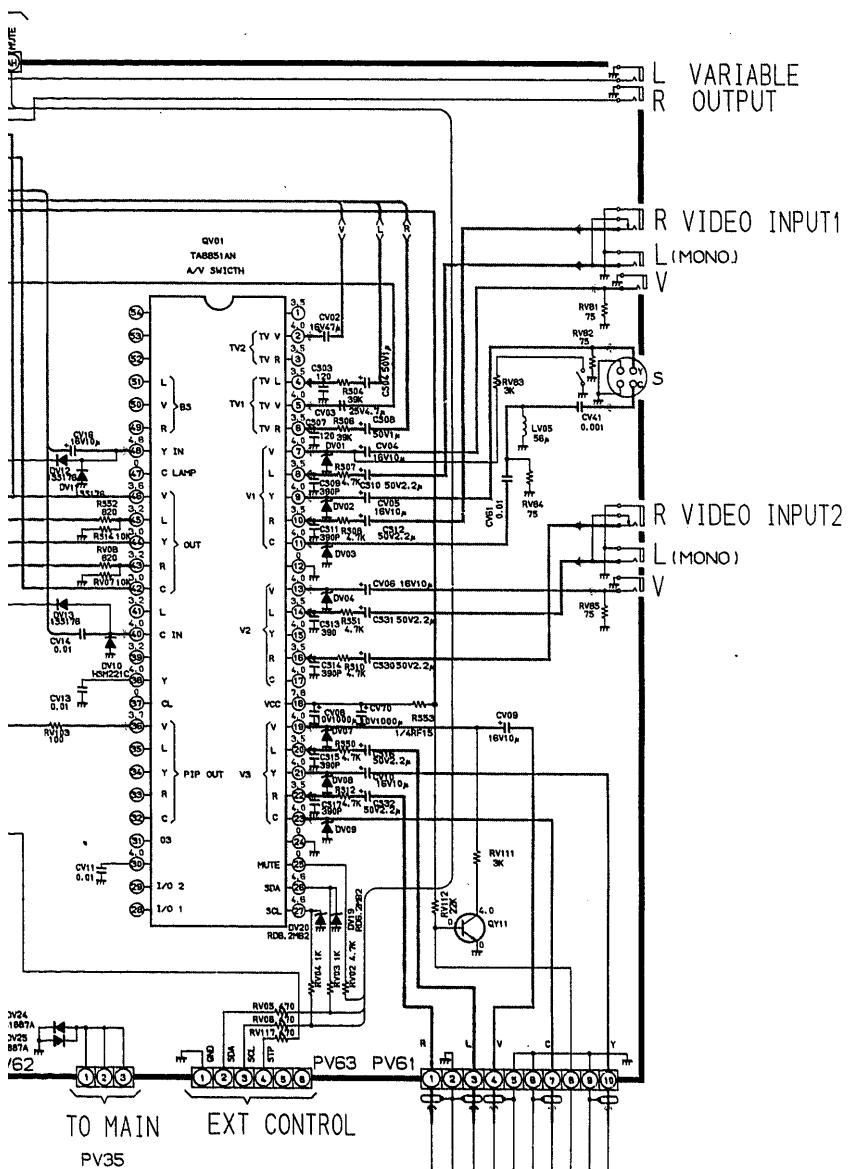




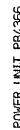
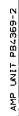








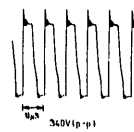
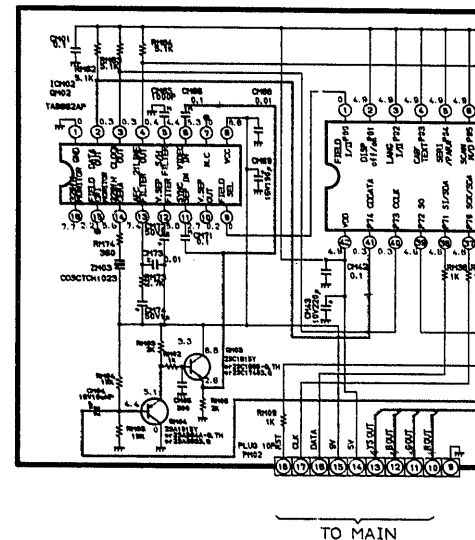
Charles No. TAC0450 13/03



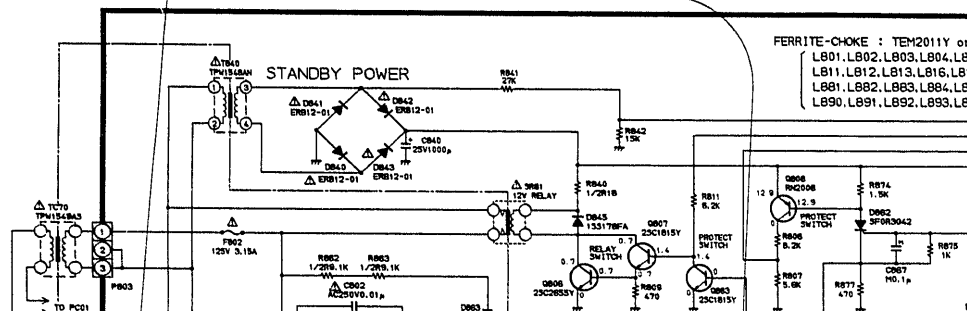
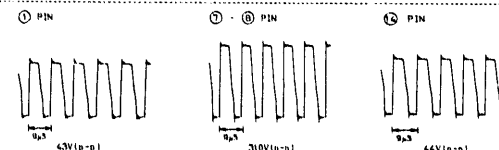
USING CART	NUMBER
HGTACH 180C3822	2MF.4 FR002331UJ
TGS-08A 1800L822	2MF.0 FR002309BJ

DEF/HW  
PB4365

UC01 C/CAPTION PB4374



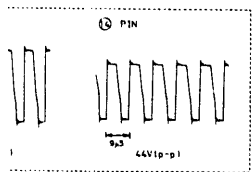
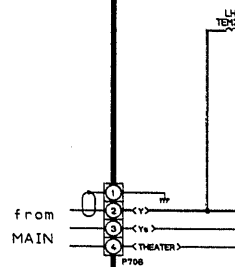
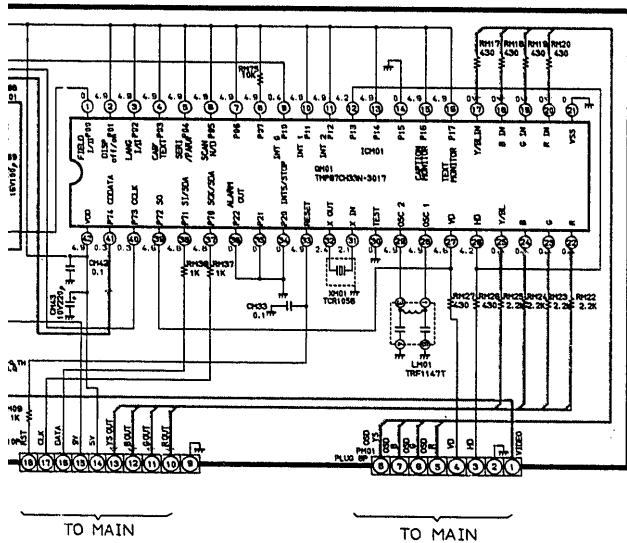
1862



# SCHEMATIC DIAGRAM

MODEL: TW5

↓ PB4374



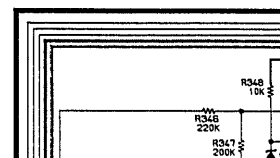
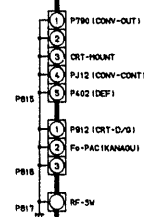
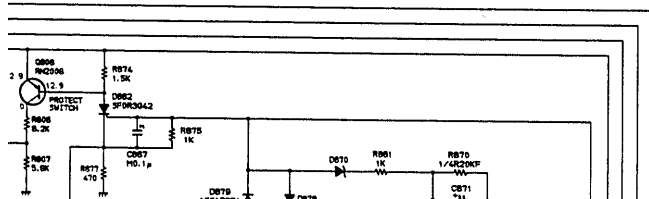
## POWER UNIT PB4366

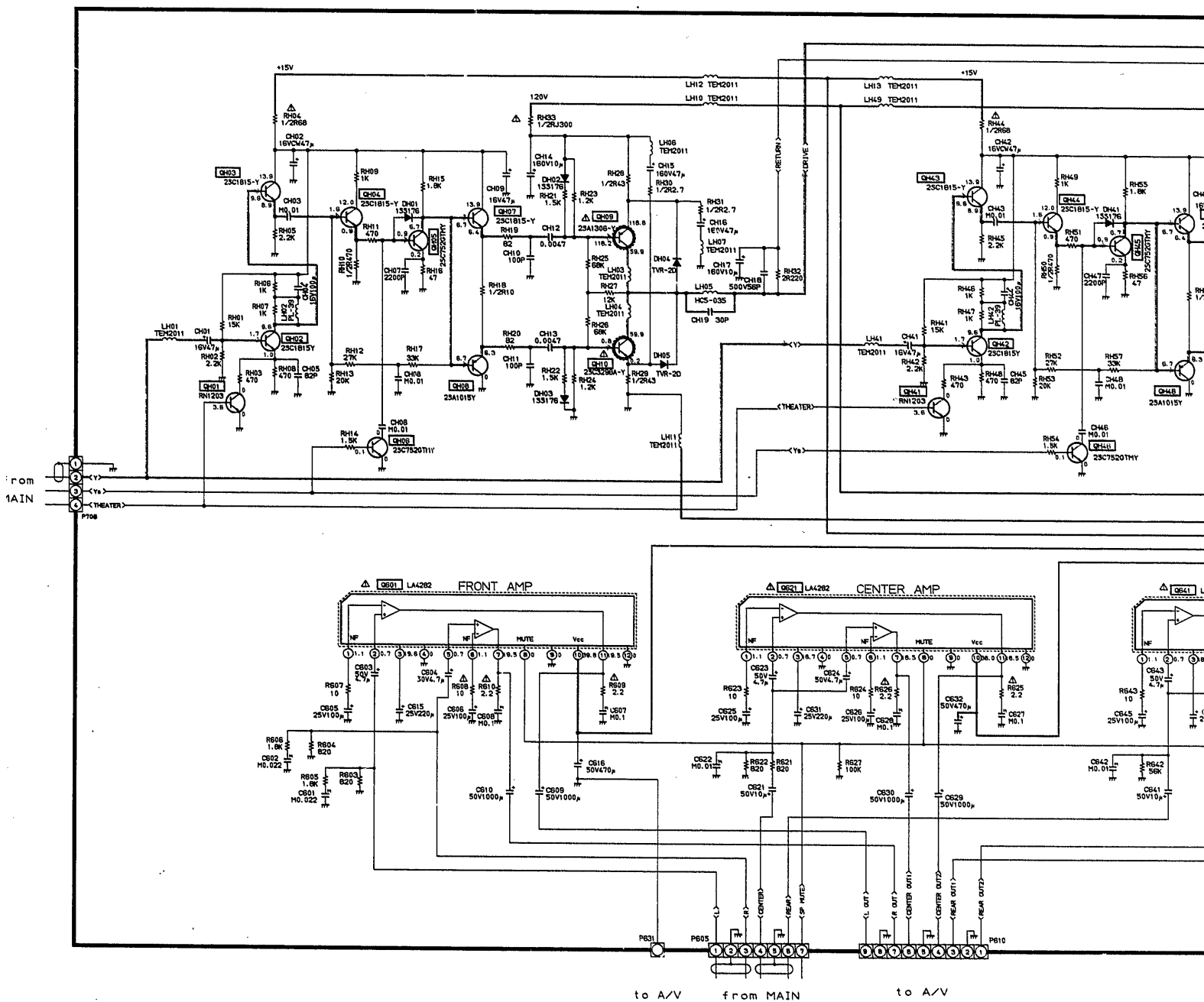
FERRITE-CHOKE : TEM2011Y or TEM2011  
 L801, L802, L803, L804, L805, L806, L807, L810  
 L811, L812, L813, L815, L817, L818, L860, L861  
 L881, L882, L883, L884, L885, L886, L887, L888  
 L890, L891, L892, L893, L894

IC +12V REG QF02 : MC7812CT or TA78012AP  
 +5V REG QF03 : MC7805CT or TA78009AP  
 QF04 : MC7805CT or TA78009AP  
 +5V REG QF05 : MC7805CT or TA78005AP

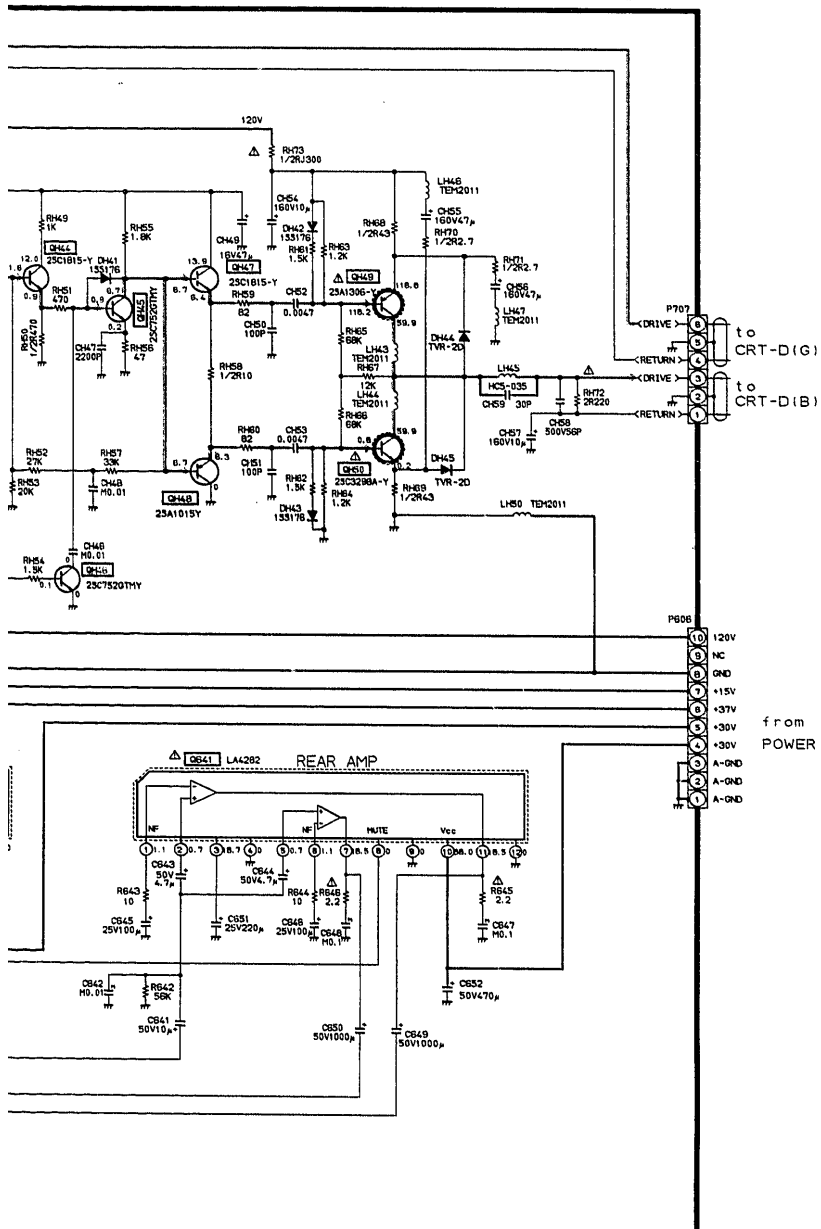
ZENER DIODE D805 : UZ5.1BSA or 04AZ5.1X  
 D806 : UZ30BSB or 04AZ30Y  
 D807 : UZ10BSB or 04AZ10Y  
 D813 : UZ5.1BSB or 04AZ5.1Y  
 D815 : UZ9.1BSA or 04AZ9.1X  
 D816 : UZ22BSA or 04AZ22X  
 D822 : UZ22BSB or 04AZ22Y  
 D824 : UZ22BSB or 04AZ22Y  
 D846 : UZ5.1BSB or 04AZ5.1Y  
 D848 : UZ22BSB or 04AZ22Y  
 D849 : UZ10BSB or 04AZ10Y  
 D860 : UZ5.1BSA or 04AZ5.1X  
 D861 : UZ30BSB or 04AZ30Y  
 D867 : UZ10BSB or 04AZ10Y  
 D870 : UZ36BSA or 04AZ36X  
 D878 : UZ36BSA or 04AZ36X

VARISTOR R899 : SNR271KD14 or TNR15G271K

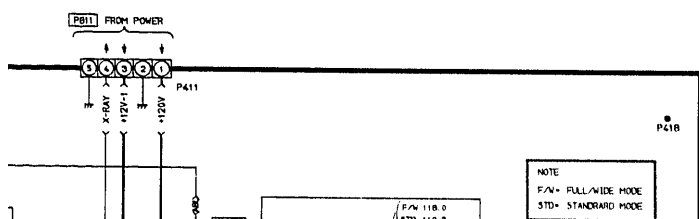




# AMP UNIT PB4369-2



AMPLIFIER  
PB4369-2

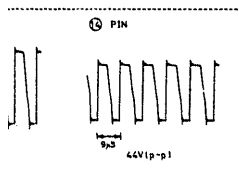


NOTE  
F/N- FULL/WIDE MODE  
STD- STANDARD MODE



- CAUTION**
- The grounding (⚡) mark in diagram is separated from II circuit ground (⏏) mark; it is possible shock hazard.
- ⚡ : Live ground  
⏏ : Isolated





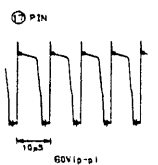
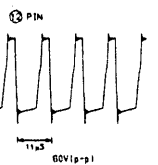
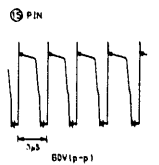
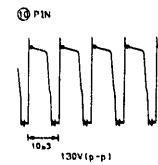
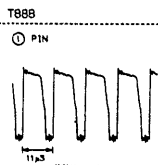
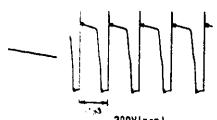
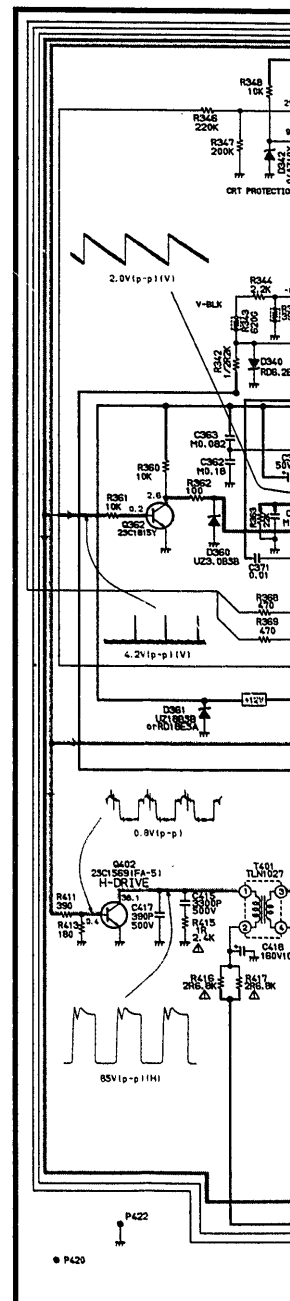
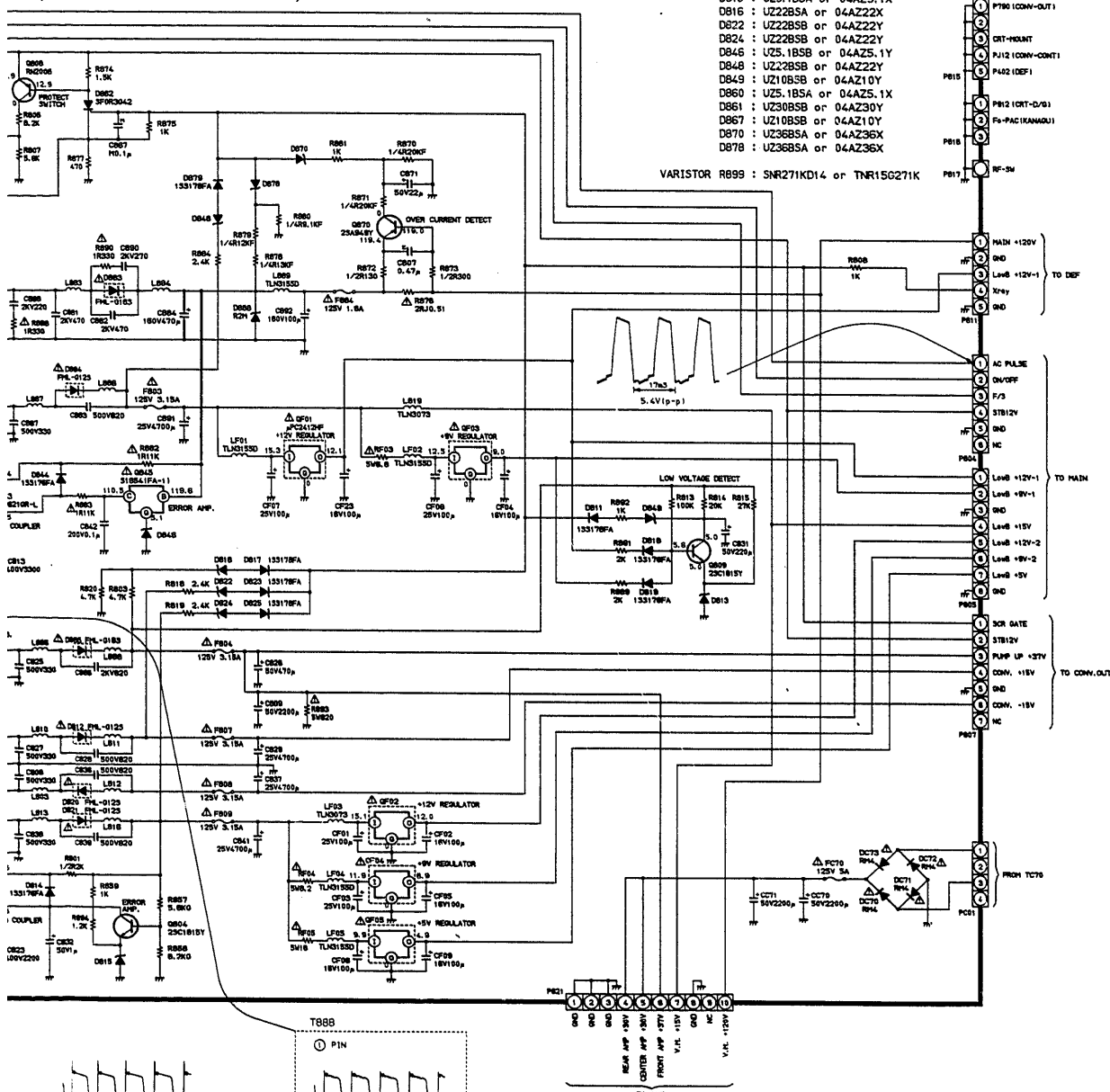
# POWER UNIT PB4366

FERRITE-CHOKE : TEM2011Y or TEM2011  
 L801, L802, L803, L804, L805, L806, L807, L810  
 L811, L812, L813, L814, L815, L816, L817, L818, L850, L861  
 L881, L882, L883, L884, L885, L886, L887, L888  
 L890, L891, L892, L893, L894

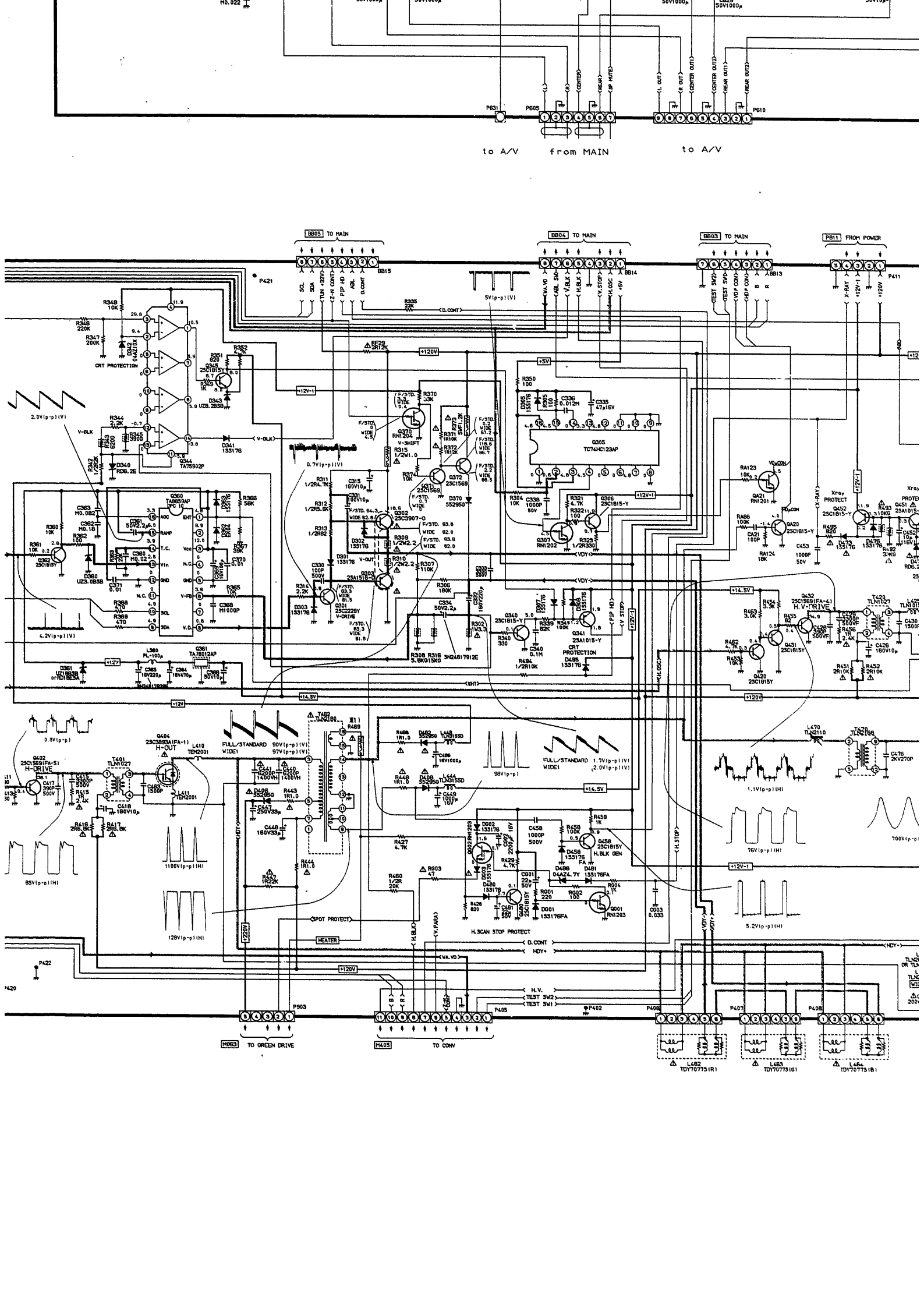
IC +12V REG QF02 : MC7812CT or TA78012AP  
 +9V REG QF03 : MC7809CT or TA78009AP  
 QF04 : MC7809CT or TA78009AP  
 +5V REG QF05 : MC7805CT or TA78005AP

ZENER DIODE D805 : UZ5.1BSA or 04AZ5.1X  
 D806 : UZ30BSB or 04AZ30Y  
 D807 : UZ10BSB or 04AZ10Y  
 D813 : UZ5.1BSB or 04AZ5.1Y  
 D815 : UZ9.1BSA or 04AZ9.1X  
 D816 : UZ22BSA or 04AZ22X  
 D822 : UZ22BSB or 04AZ22Y  
 D824 : UZ22BSB or 04AZ22Y  
 D846 : UZ5.1BSB or 04AZ5.1Y  
 D848 : UZ22BSB or 04AZ22Y  
 D849 : UZ10BSB or 04AZ10Y  
 D860 : UZ5.1BSA or 04AZ5.1X  
 D861 : UZ30BSB or 04AZ30Y  
 D867 : UZ10BSB or 04AZ10Y  
 D870 : UZ36BSA or 04AZ36X  
 D878 : UZ36BSA or 04AZ36X

VARISTOR R899 : SNR271KD14 or TNR15G271K



CAUTION  
 The grounding (⏏) mark in the schematic diagram is separated from the other circuit ground (⏏) mark to prevent possible shock hazard.  
 ⏏ : Live ground  
 ⏏ : Isolated ground

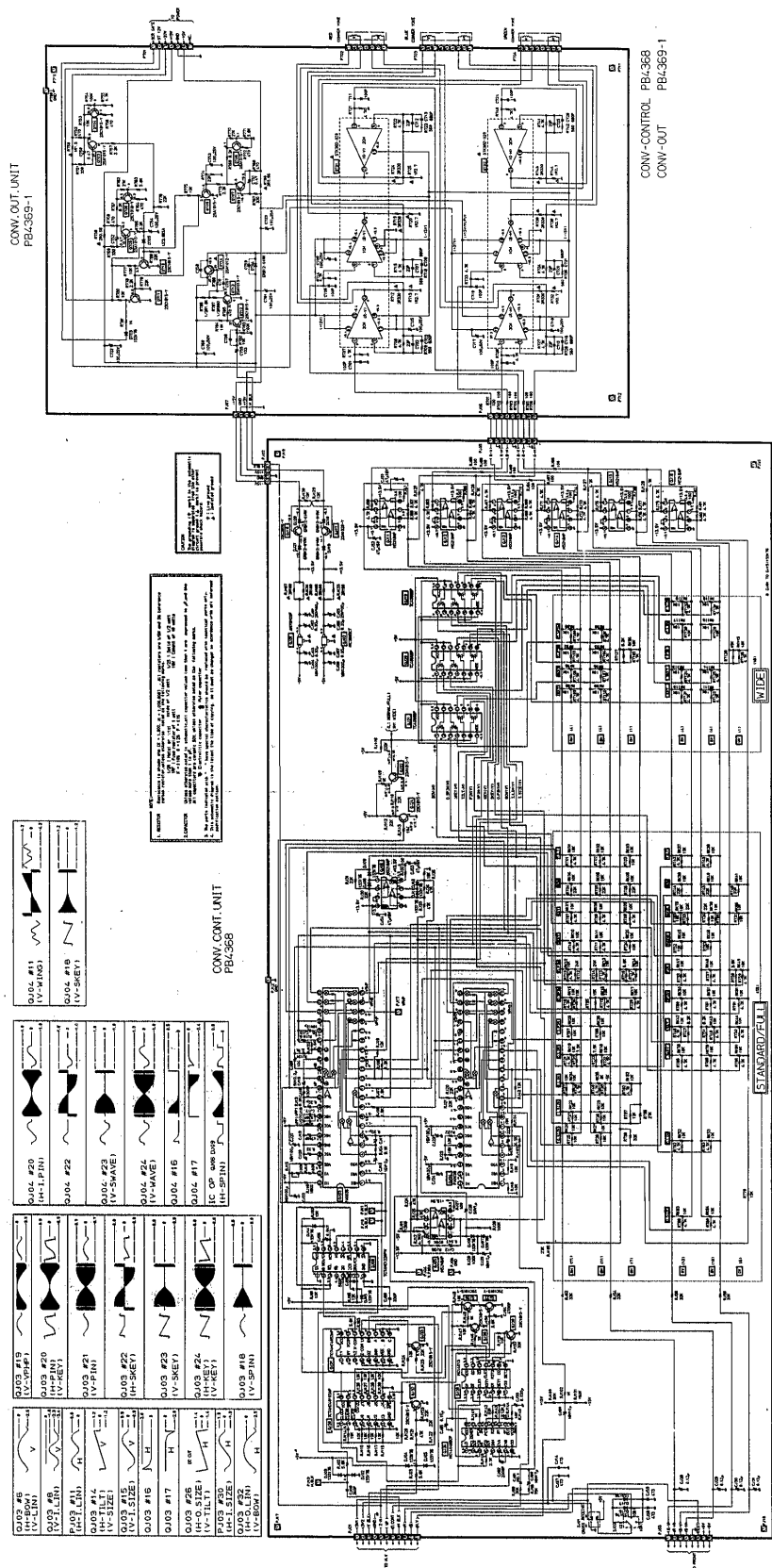


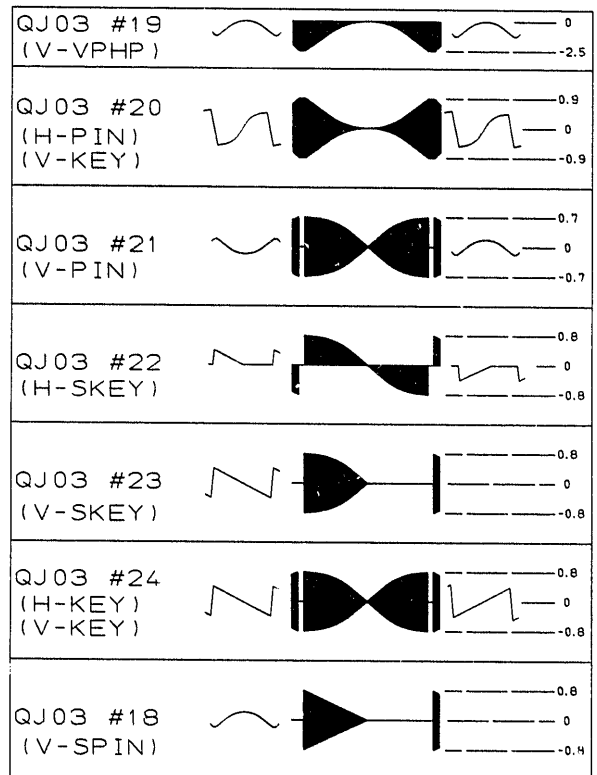
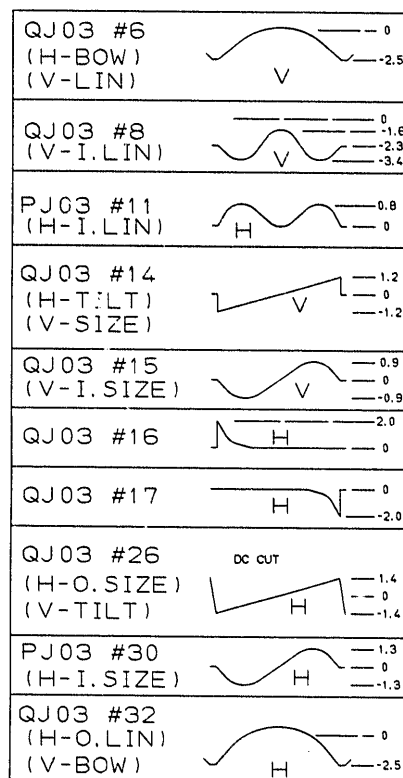
AMPLIFIER  
PB4369-2



USING CRT	R469
HITACHI 180CSB22	2WF2.4 FRN98Z3D249J
TOSHIBA 180DUB22	2WF1.8 FRN98Z3D189J

DEF/HV  
PB4365  
(56" WIDE MODEL)





QJ04  
(H-I.)

QJ04

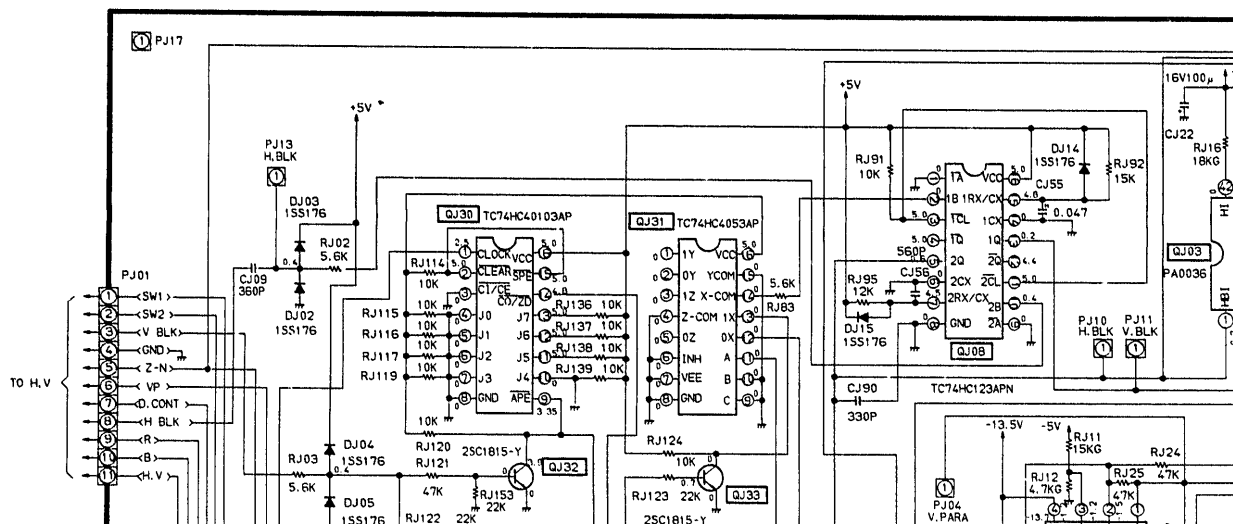
QJ04  
(V-SV)

QJ04  
(V-WA)

QJ04

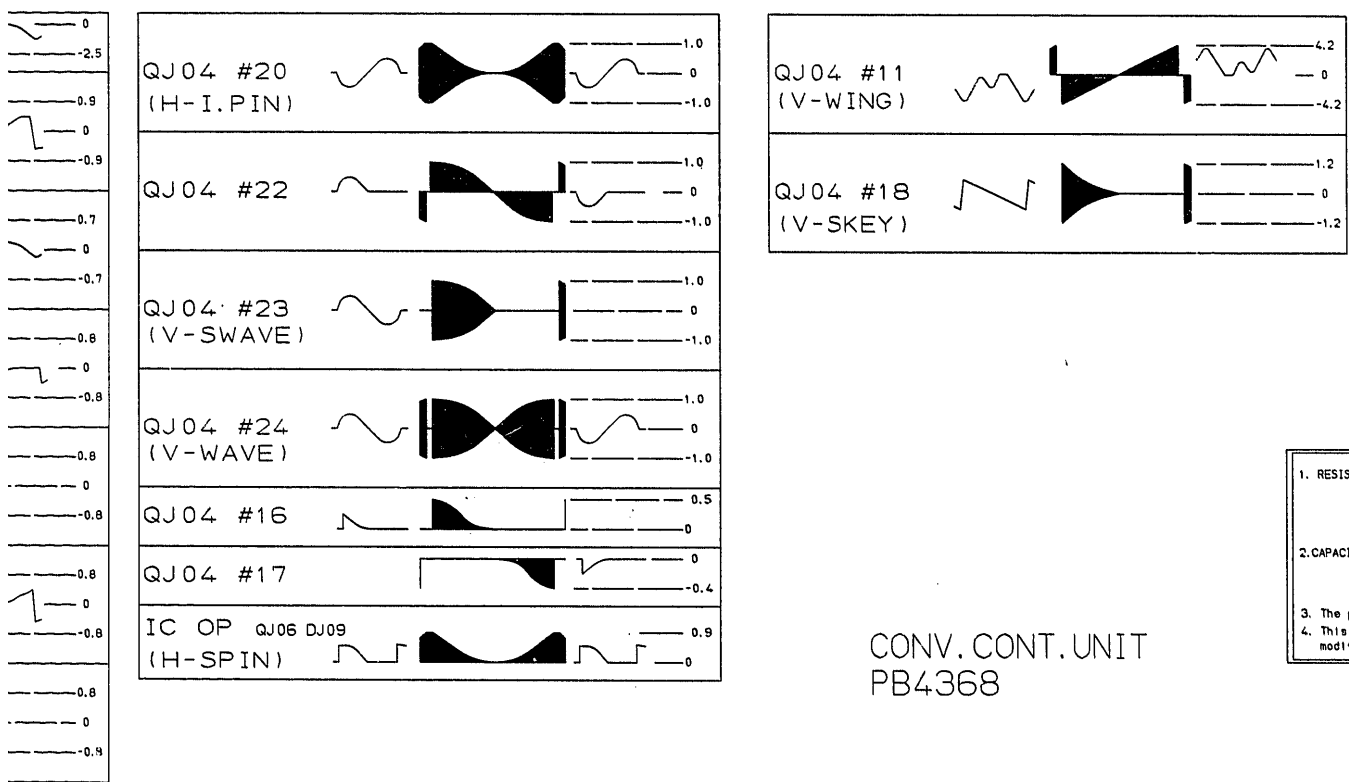
QJ04

IC OF  
(H-SF)

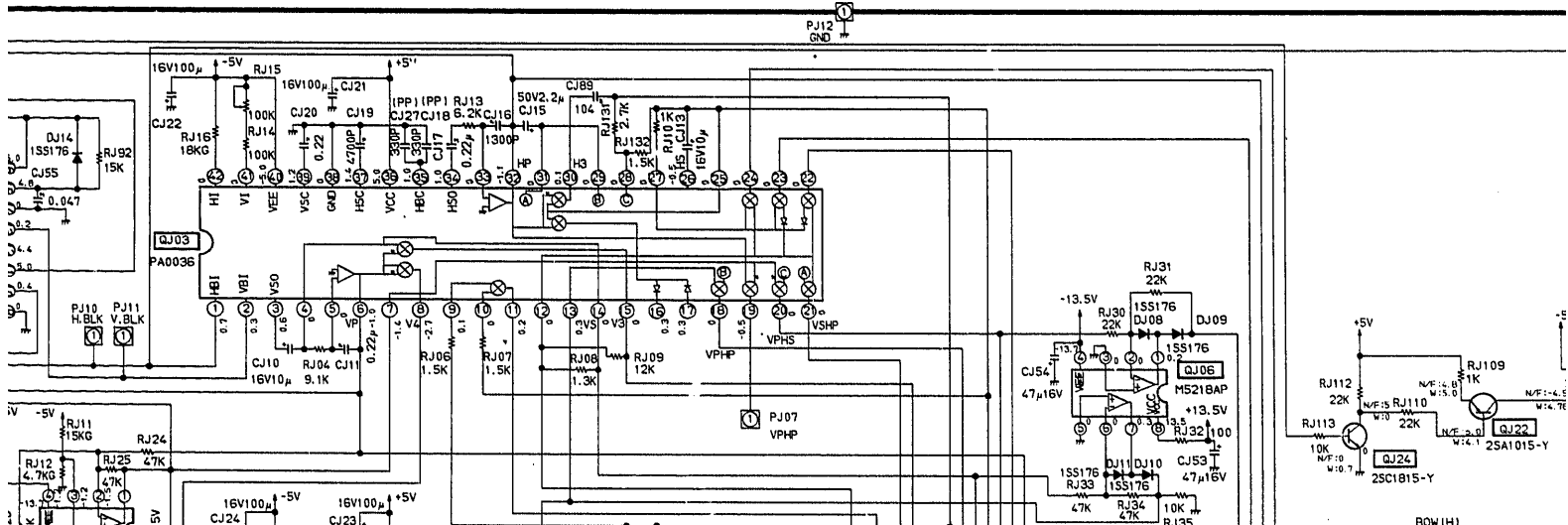


SCHEMATIC DIAGRAM

MODEL: TW56D



CONV. CONT. UNIT  
PB4368



**NOTE:**

Resistance is shown ohm (K = 1,000, M = 1,000,000). All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.

1/2R : Metal or Metal oxide of 1/2 watt      1/2S : Solid of 1/2 watt  
 1RF : Fuse resistor of 1 watt      10W : Cement of 10 watts  
 K = ±10% G = ±2% F = ±1%

Unless otherwise noted in schematic, all capacitor value less than 1 are expressed in  $\mu$ F, and the values more than 1 in pF.

All capacitors are ceramic 50V, unless otherwise noted as the following marks.

$\square$  : Electrolytic capacitor       $\square$  : Mylar capacitor

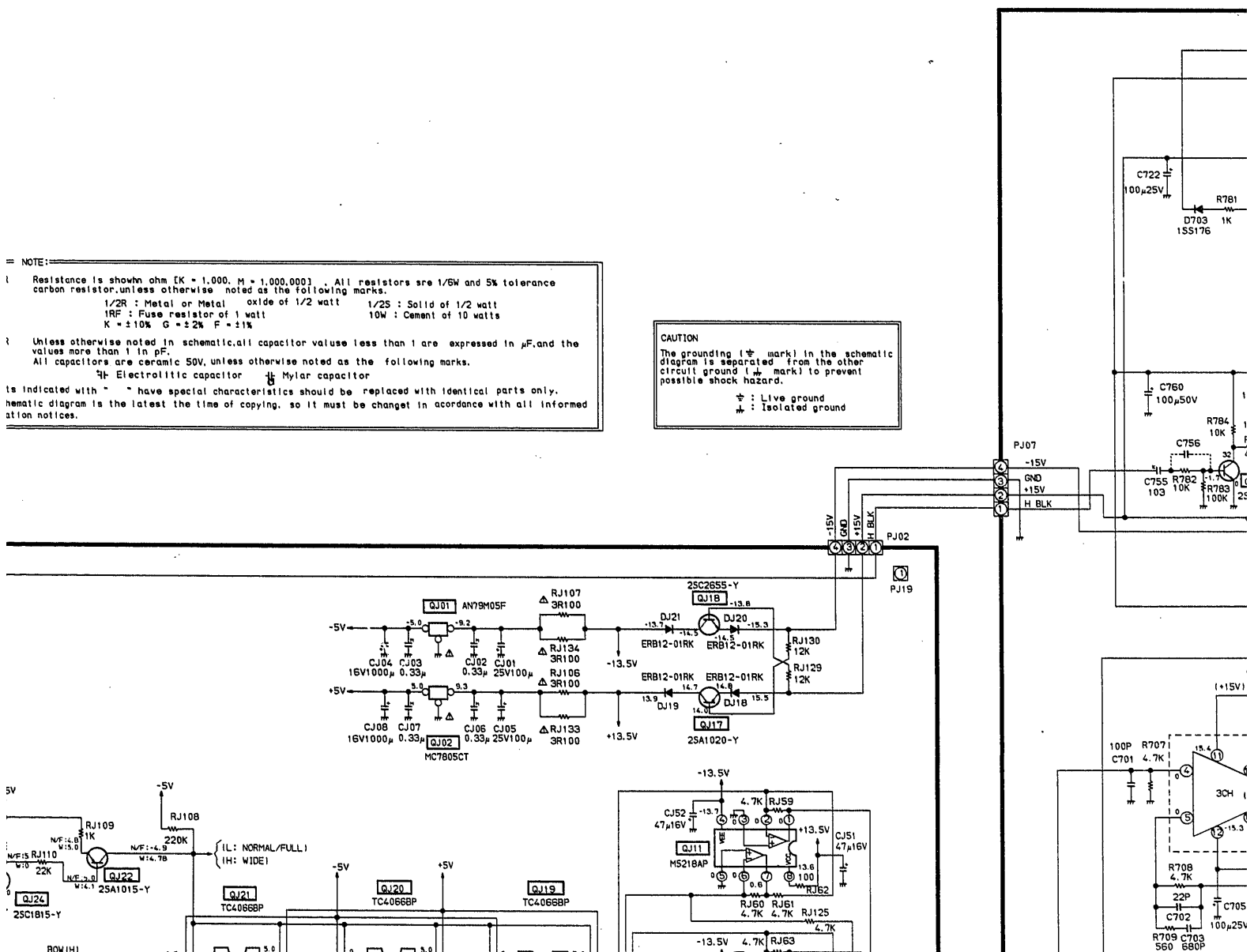
Parts indicated with " " have special characteristics should be replaced with identical parts only.

Schematic diagram is the latest at the time of copying, so it must be changed in accordance with all informed attention notices.

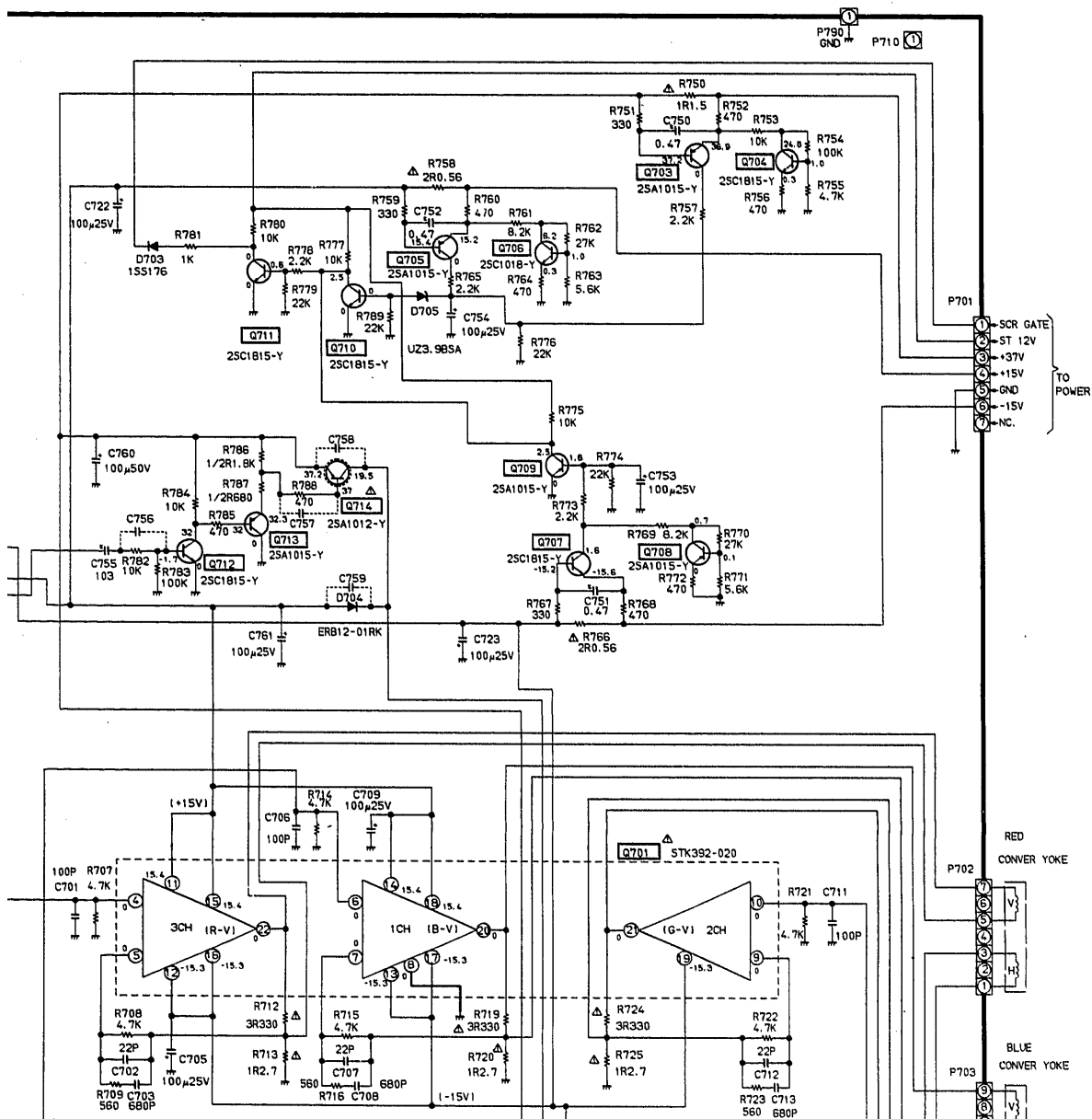
**CAUTION**

The grounding ( $\oplus$  mark) in the schematic diagram is separated from the other circuit ground ( $\oplus$  mark) to prevent possible shock hazard.

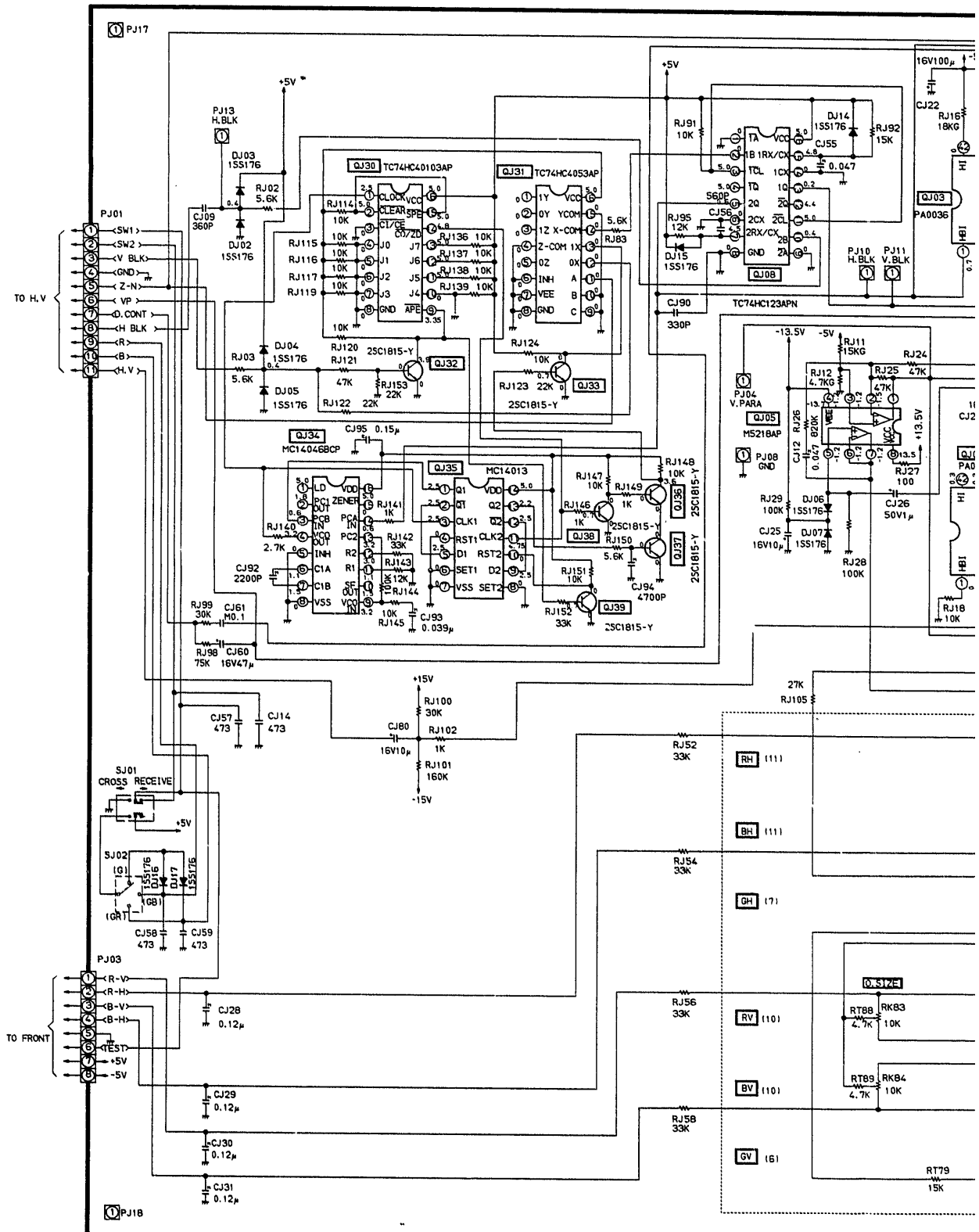
$\oplus$  : Live ground  
 $\oplus$  : Isolated ground

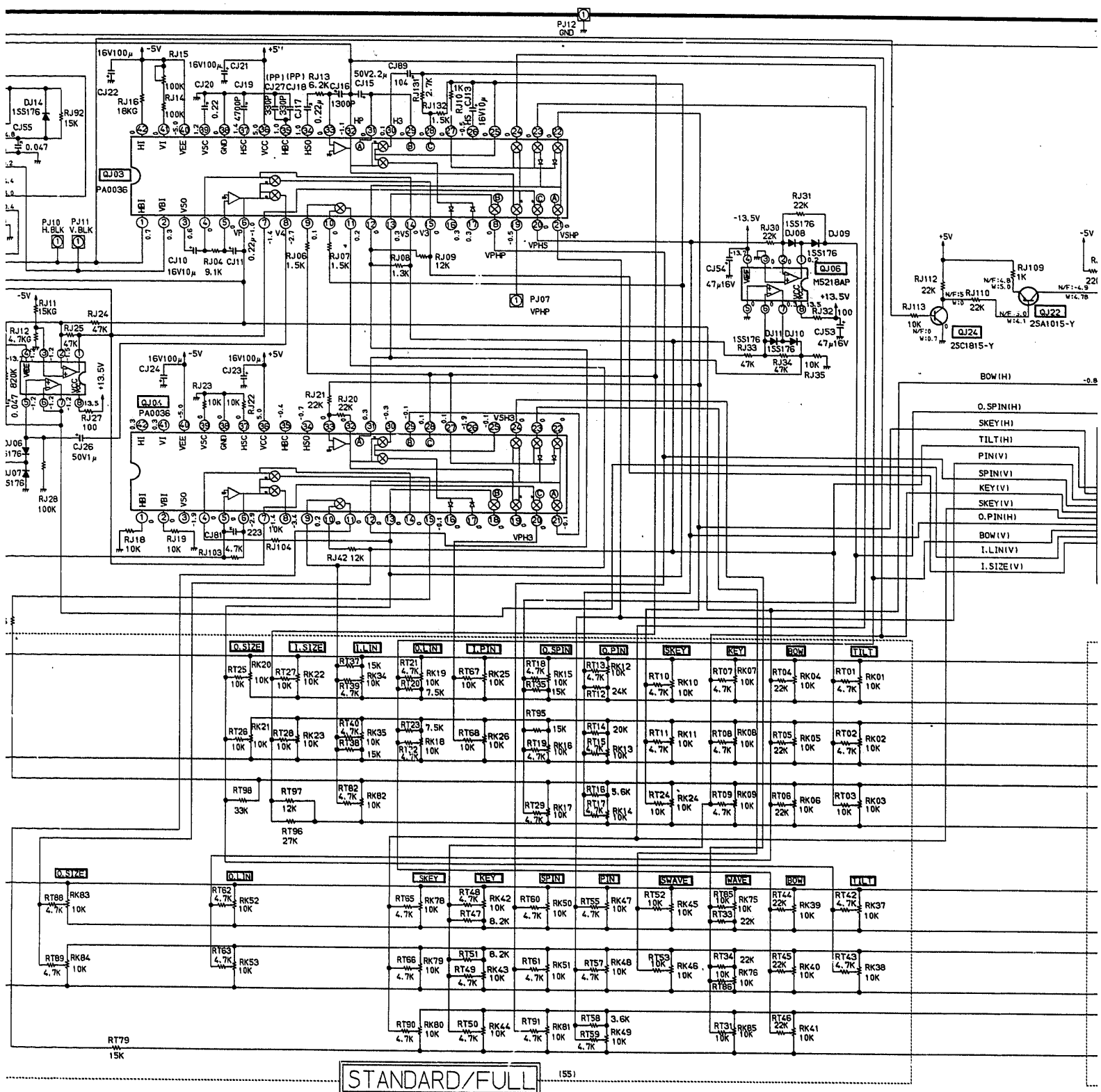


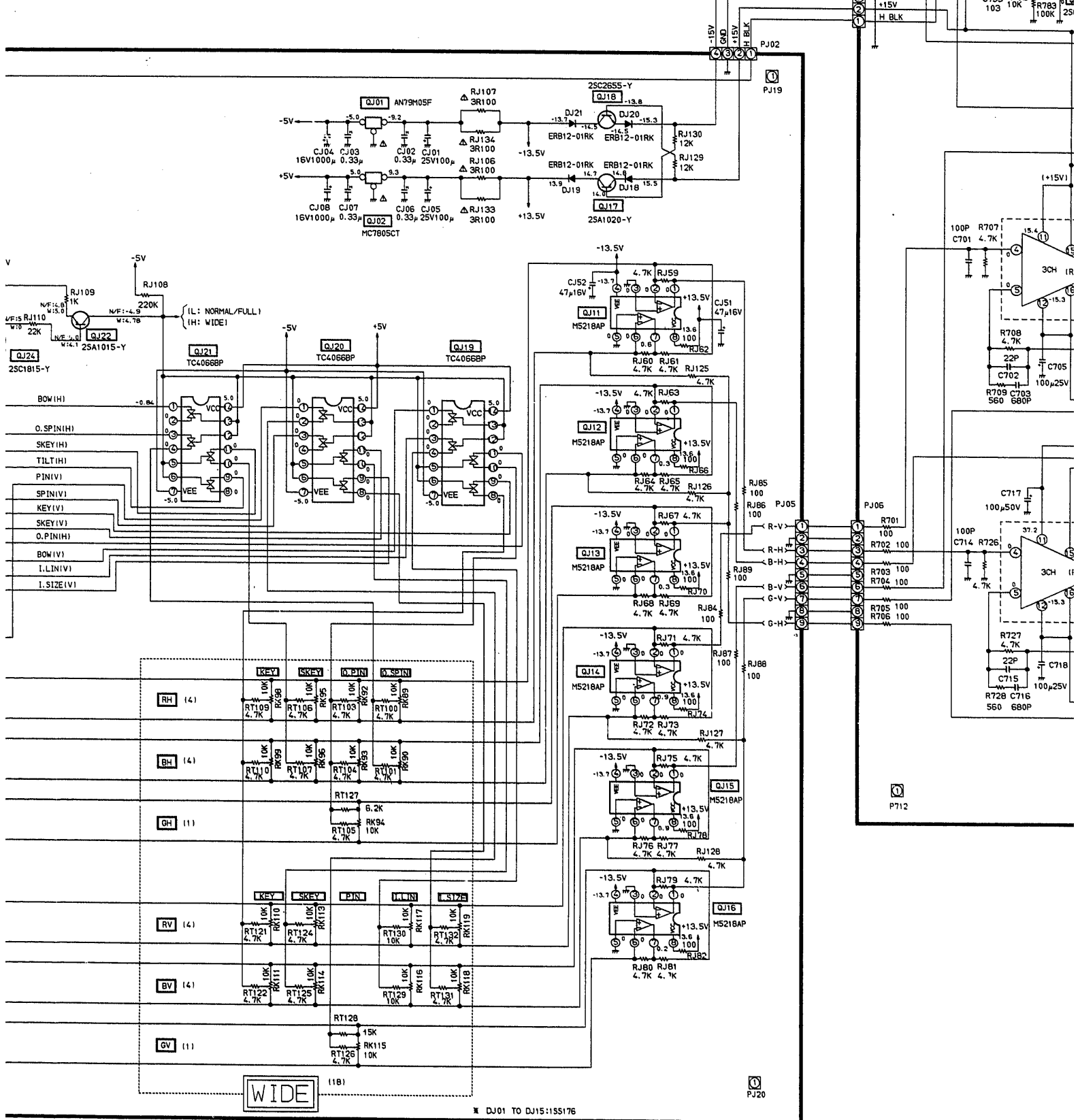
# CONV.OUT.UNIT PB4369-1

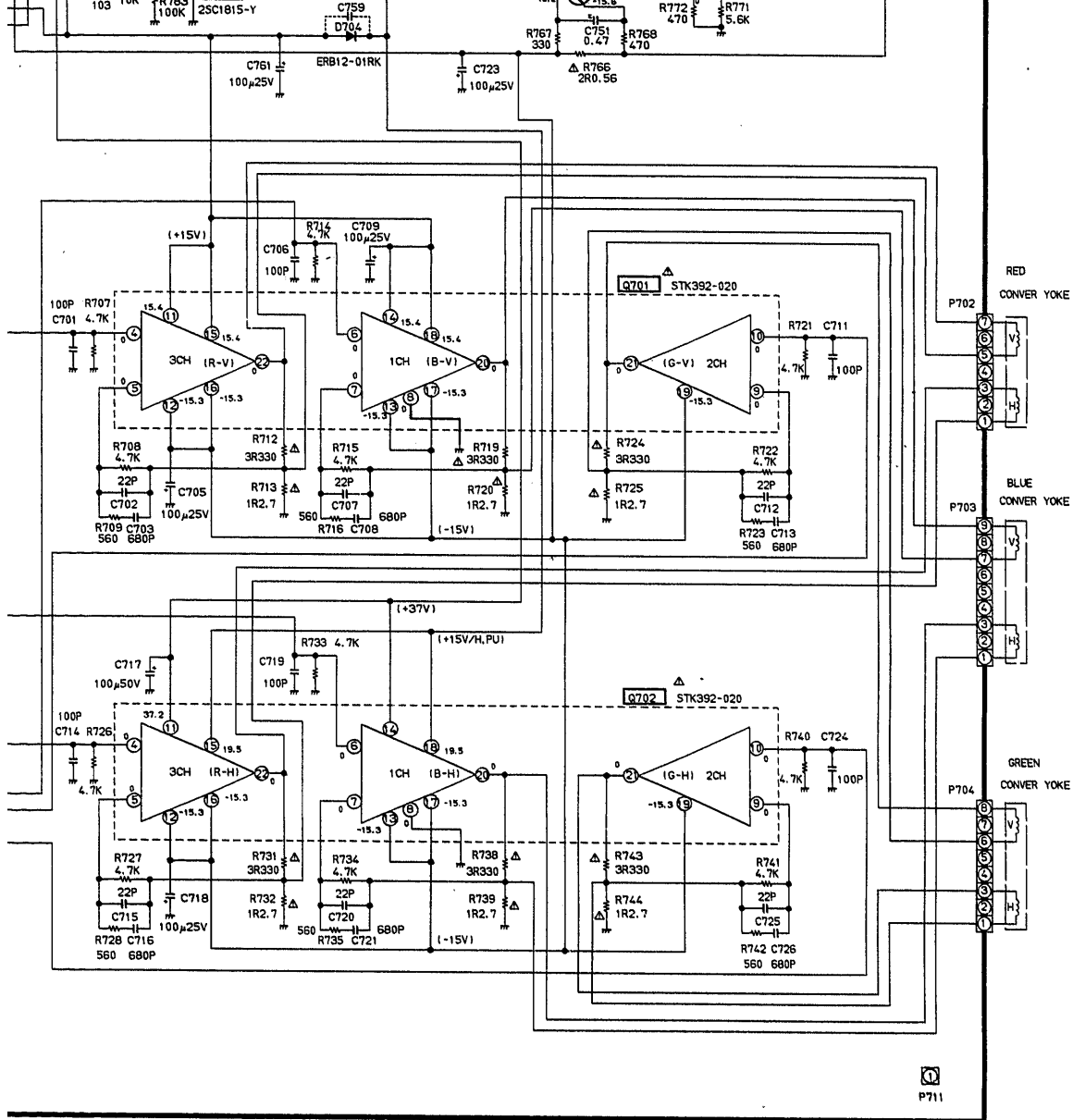




$$-0.8$$


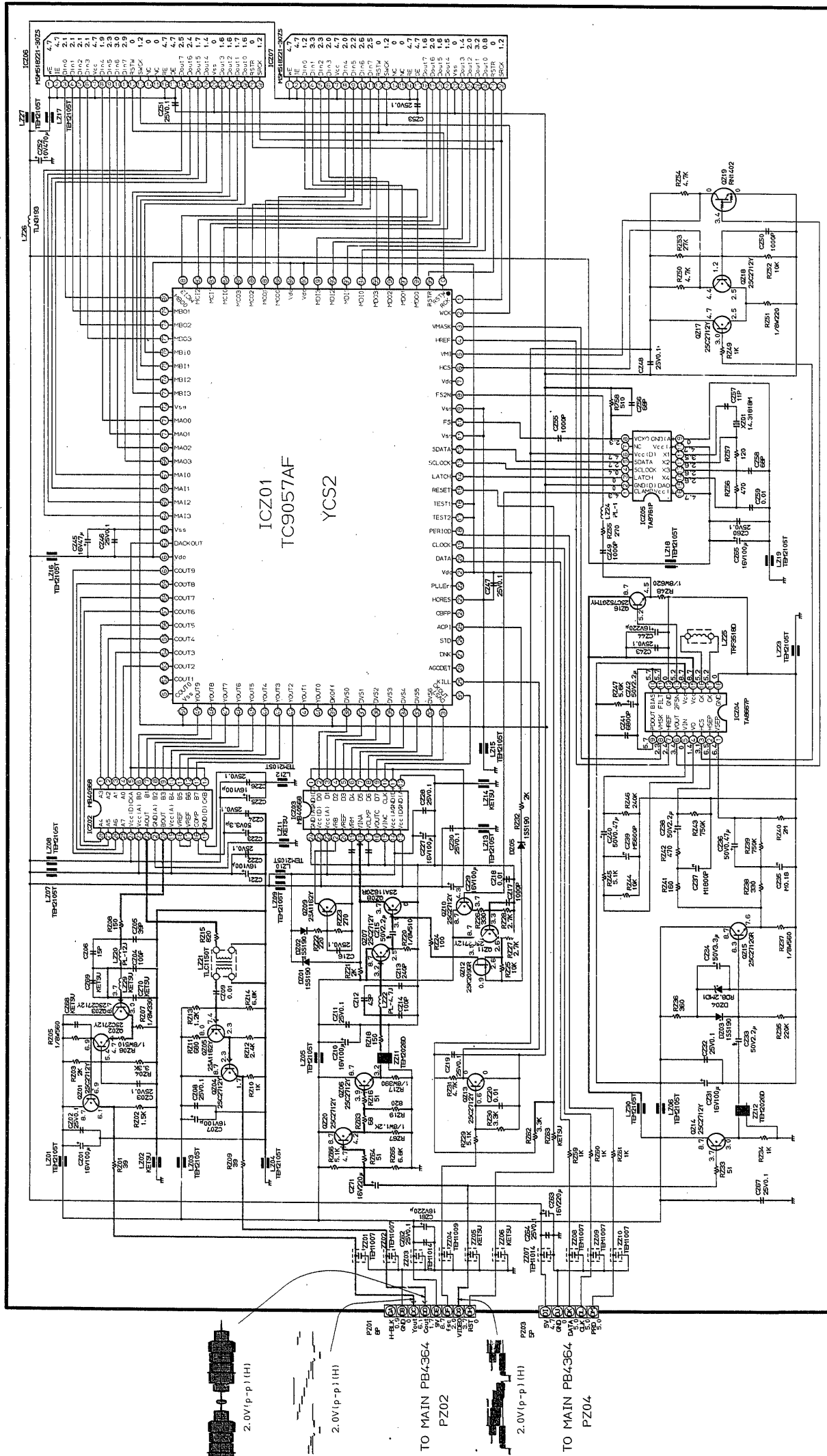




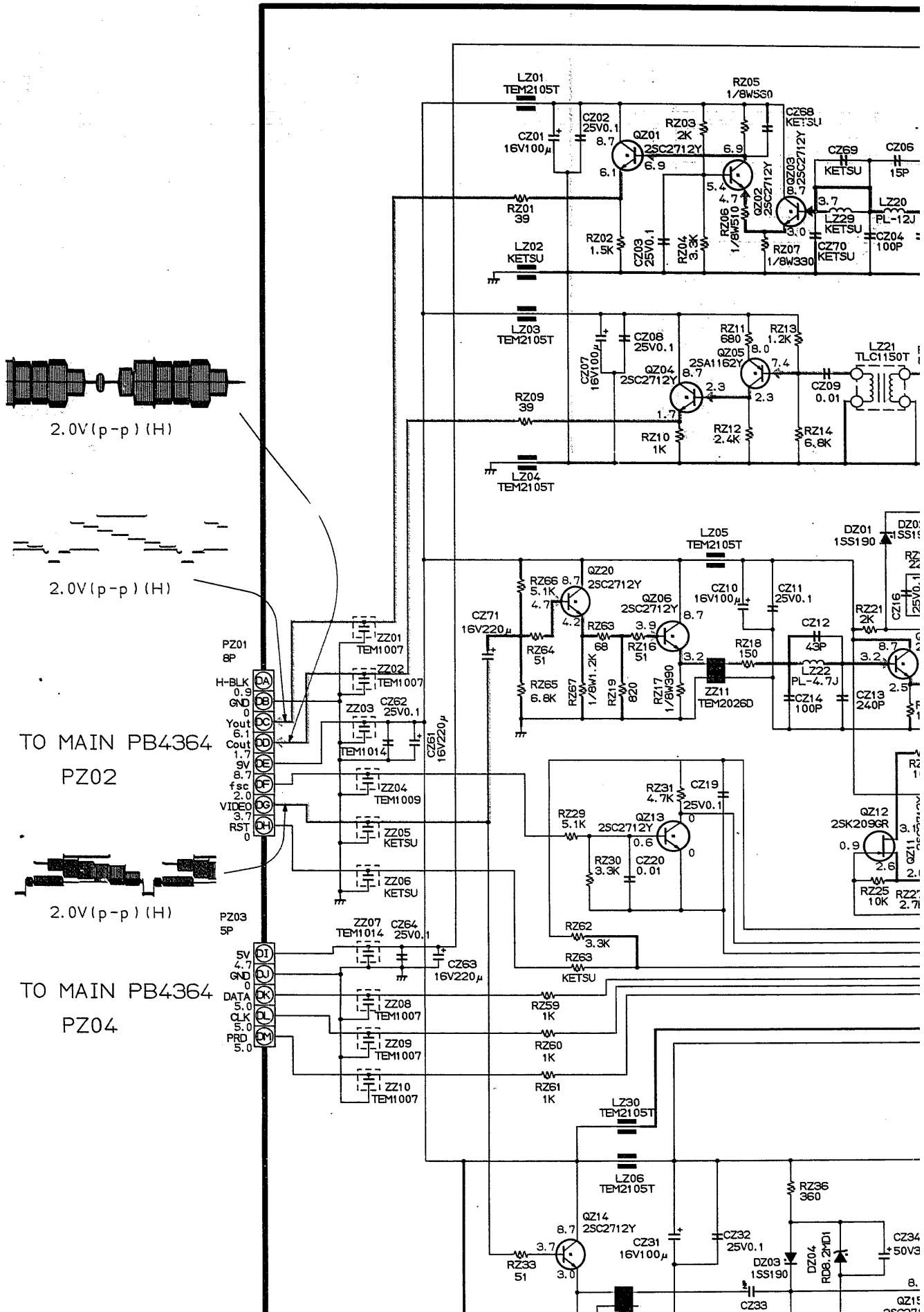


CONV-CONTROL PB4368  
CONV-OUT PB4369-1

3-D.Y/C SEPARATOR PB4371-1



# 3-D. Y/C SEPARATOR PB4371

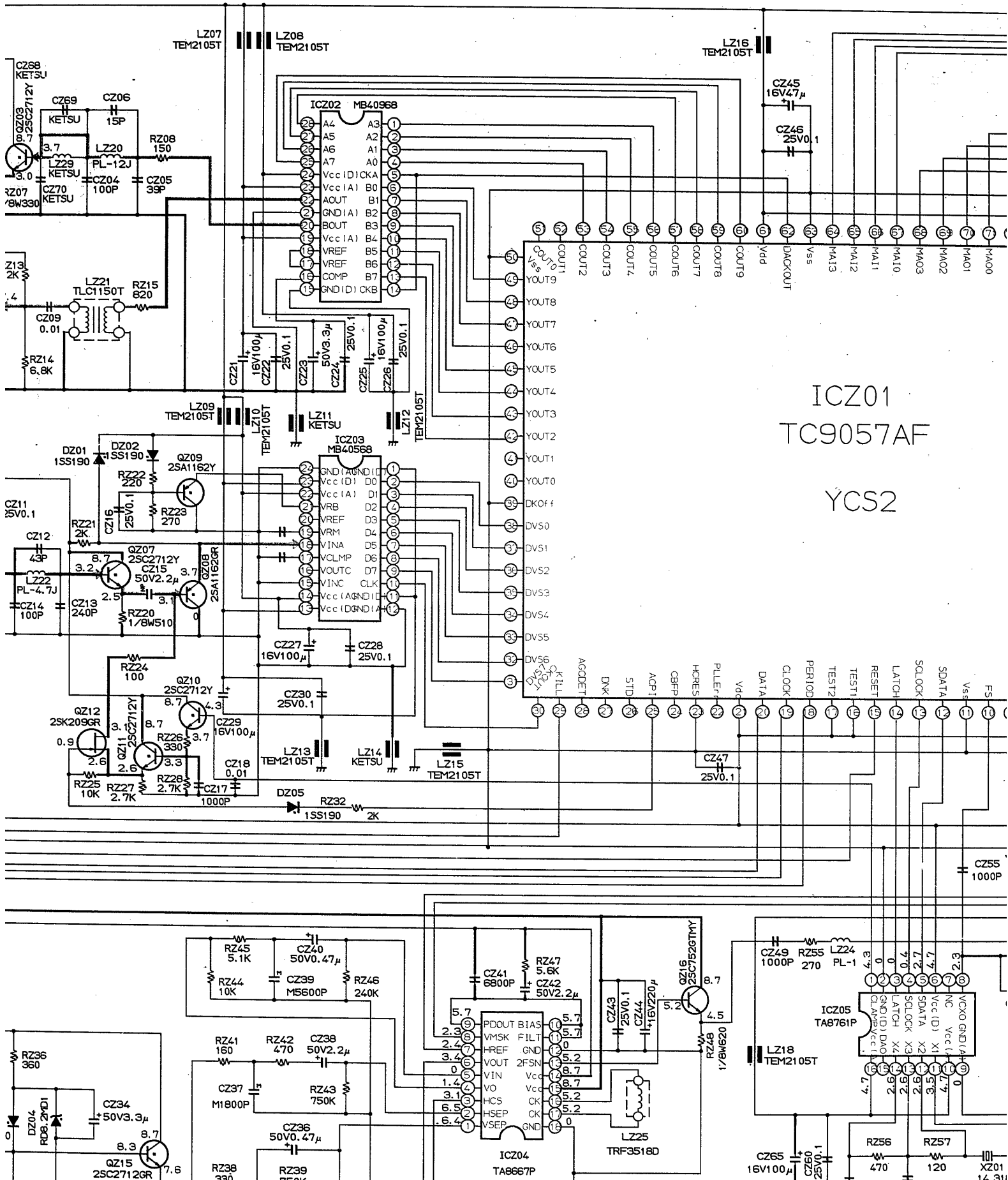


## SCHEMATIC DIAGRAM

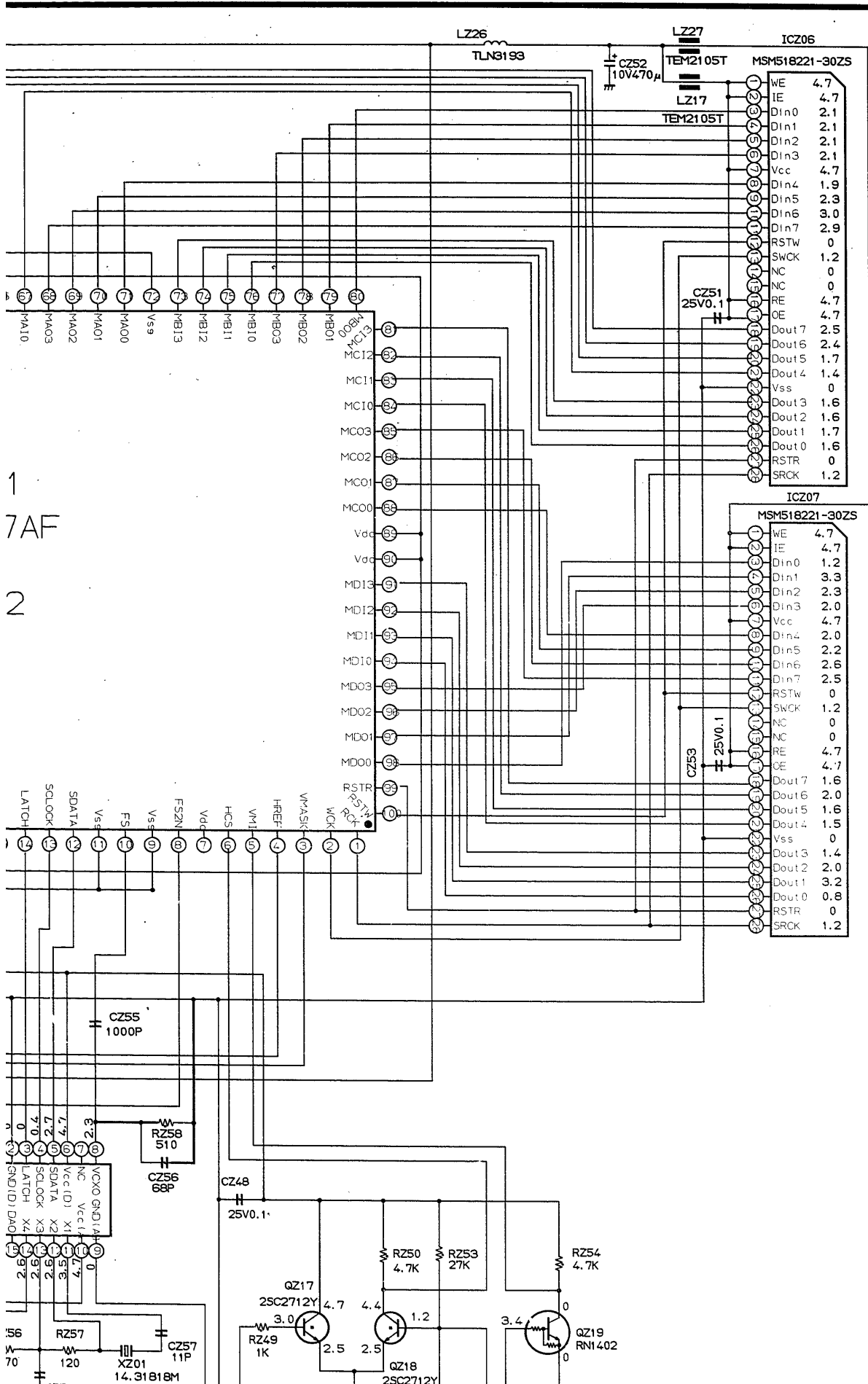
MODEL: TW56D90

Chassis No. TAC9490 (5/6)

PB4371-1

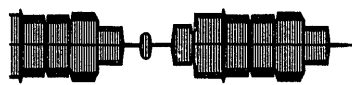


6)

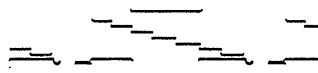


1  
7AF  
2





2.0V (p-p) (H)



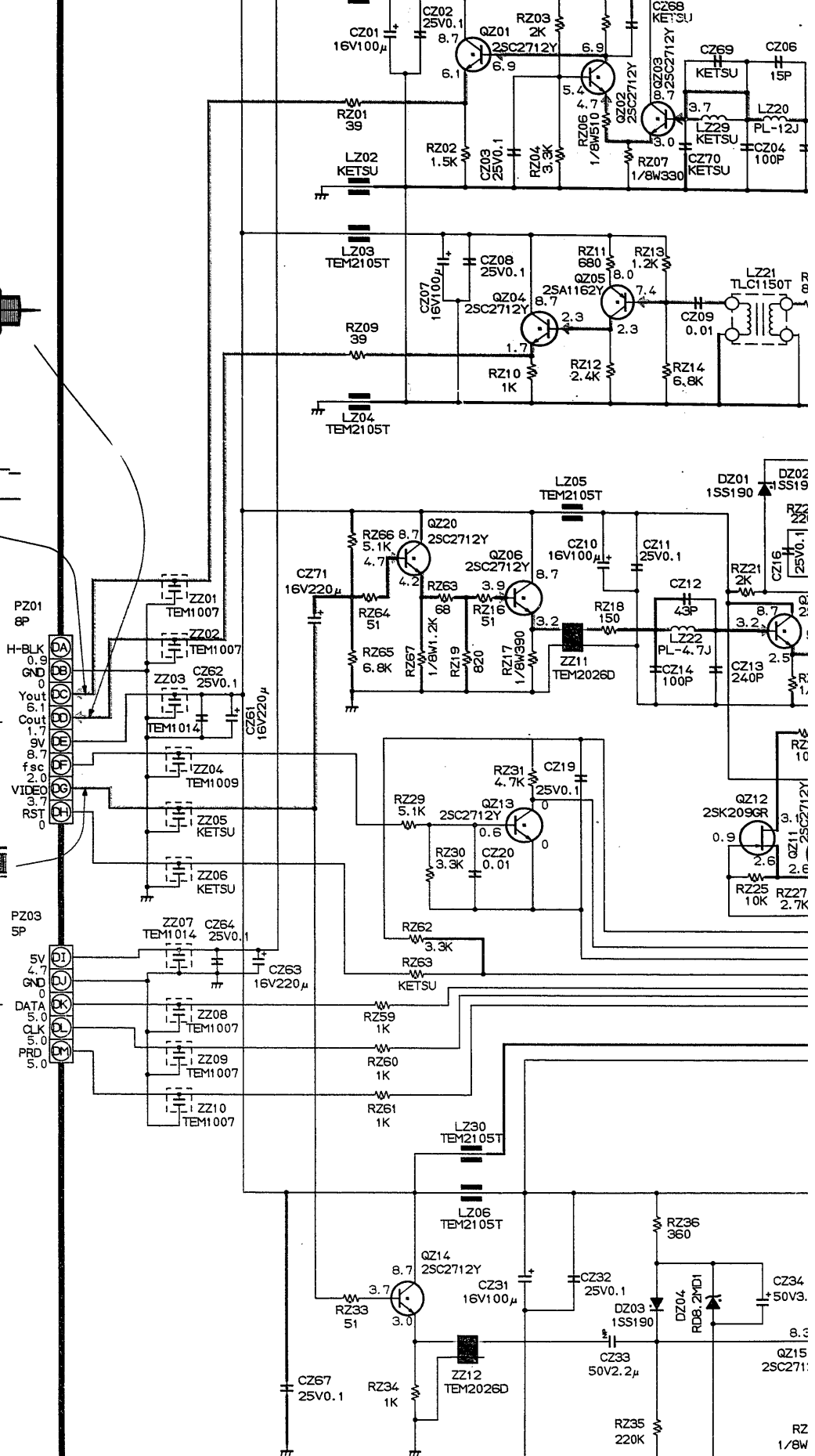
2.0V (p-p) (H)

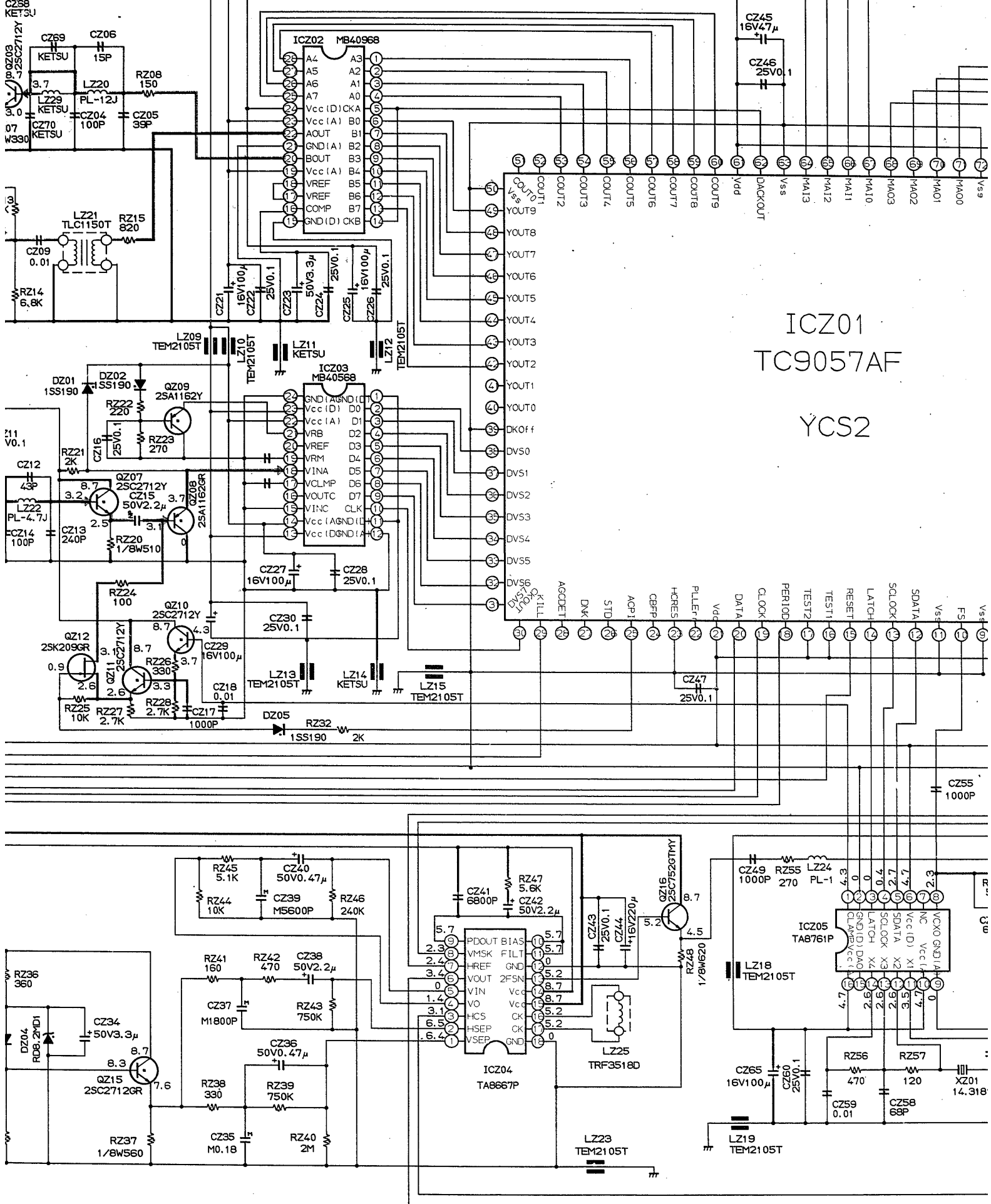
TO MAIN PB4364  
PZ02

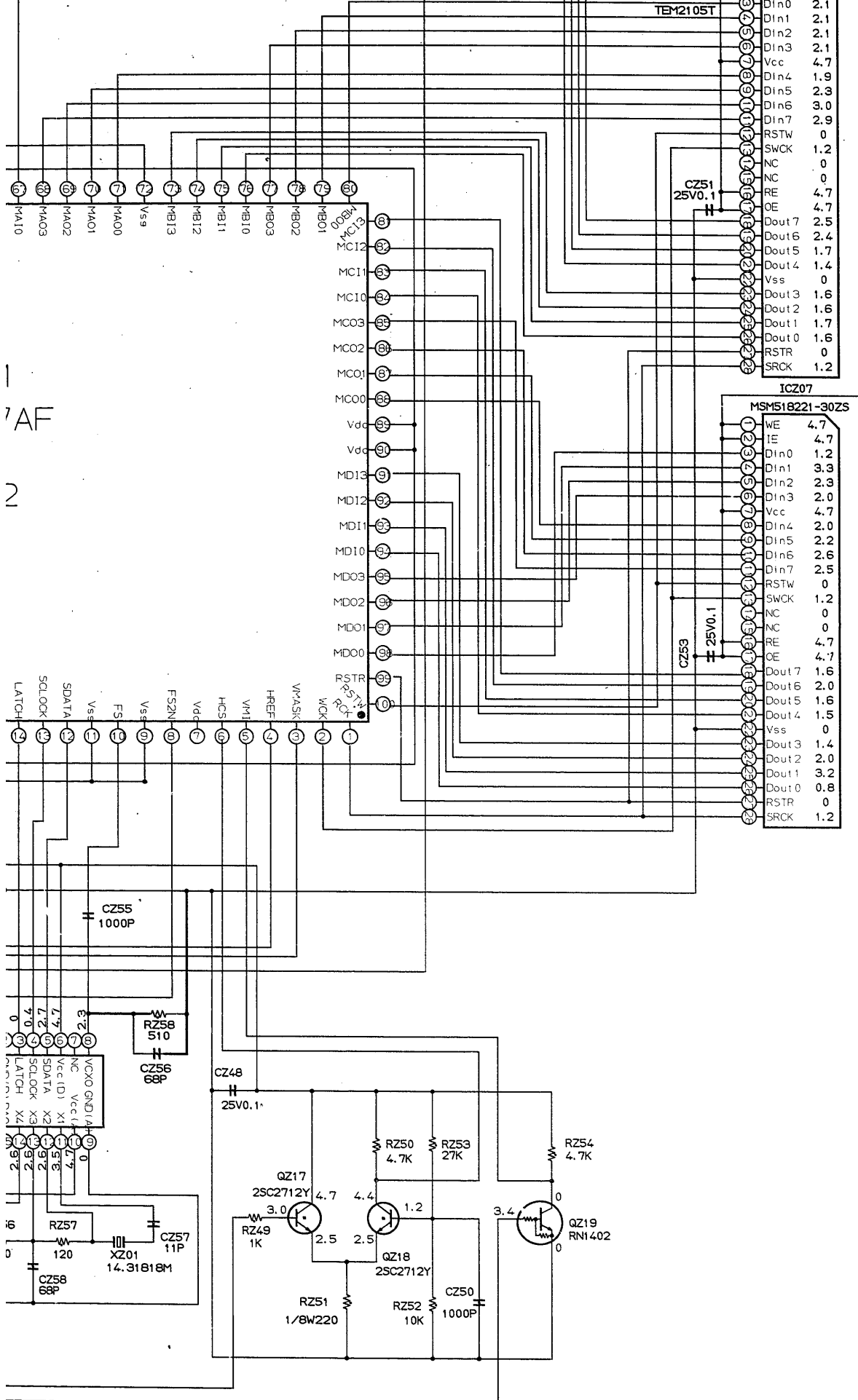


2.0V (p-p) (H)

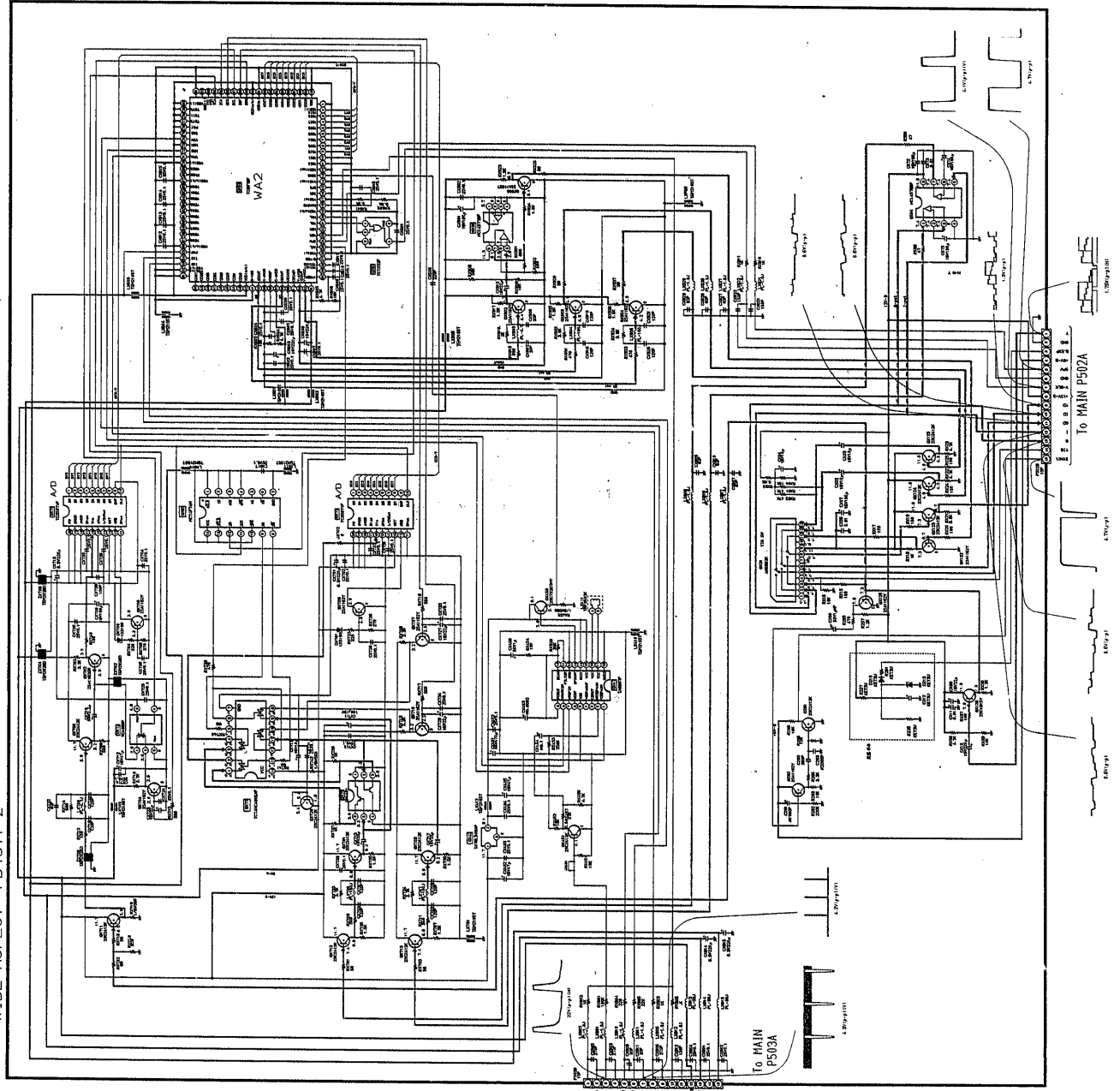
TO MAIN PB4364  
PZ04



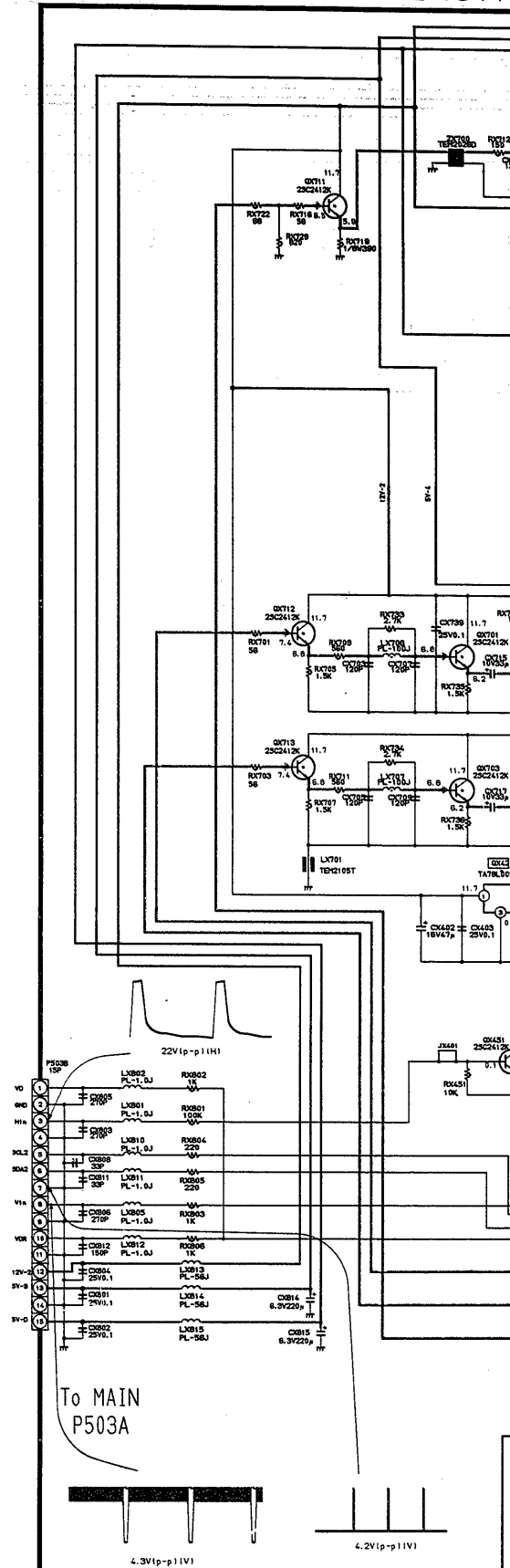




WIDE ASPECT PB4371-2



# WIDE ASPECT PB4371

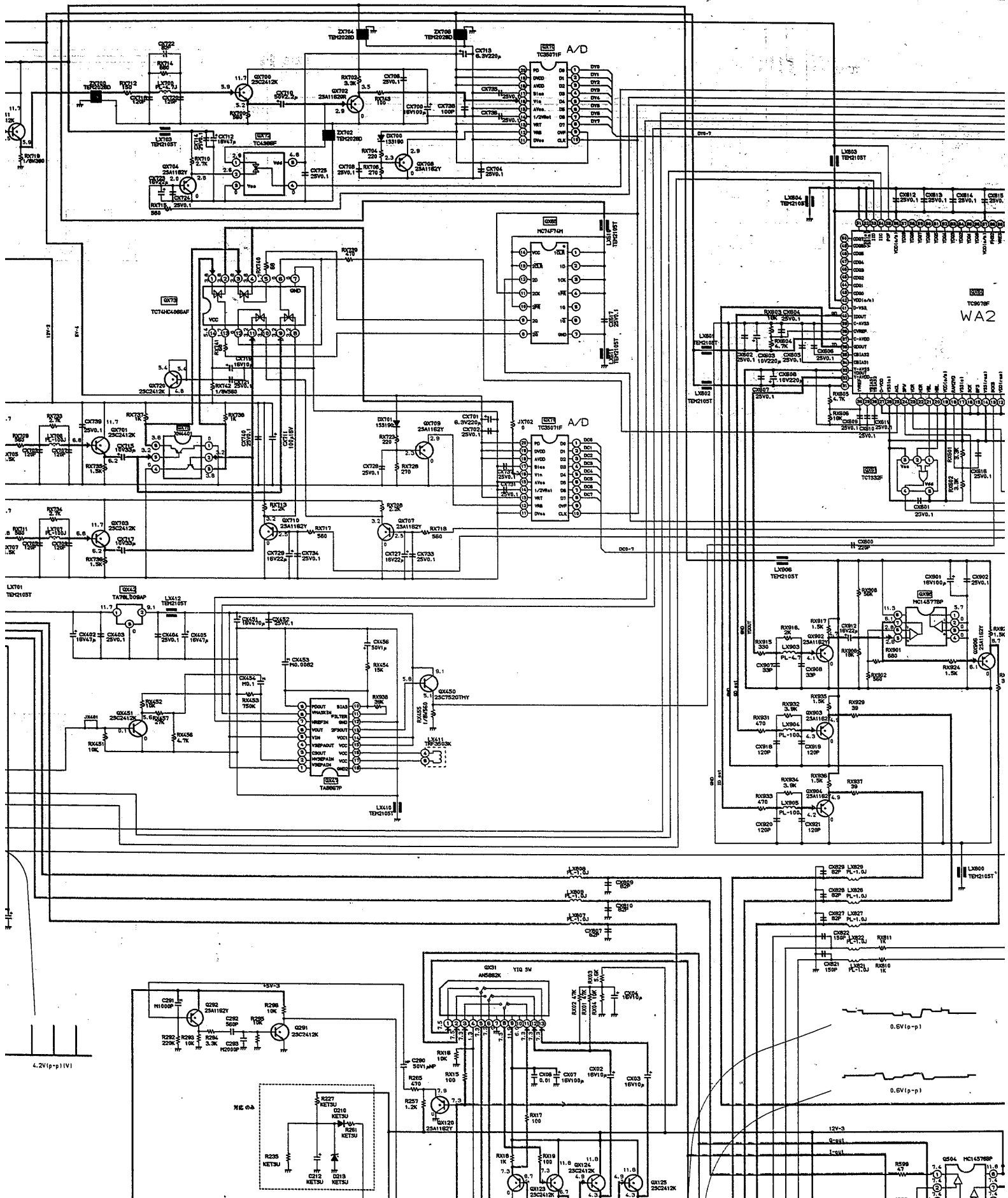


# SCHEMATIC DIAGRAM

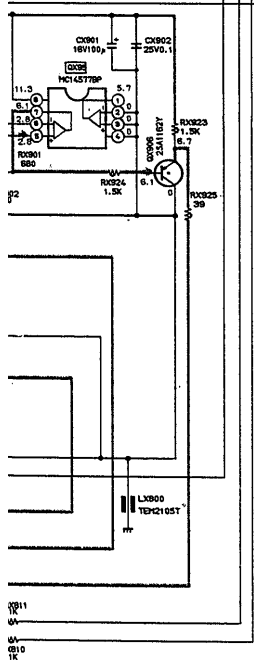
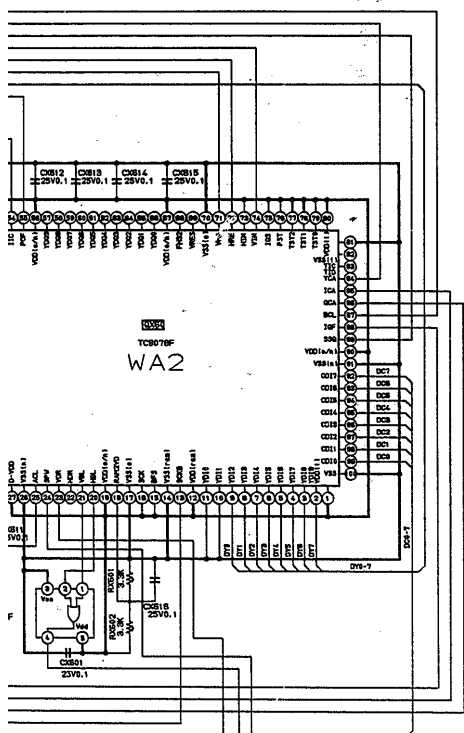
MODEL: TW56D90

Chassis No. TAC9490 (6/6)

CT PB4371-2



3)



0.6V(p-p)

0.6V(p-p)

