



# SCHEMATIC DIAGRAM

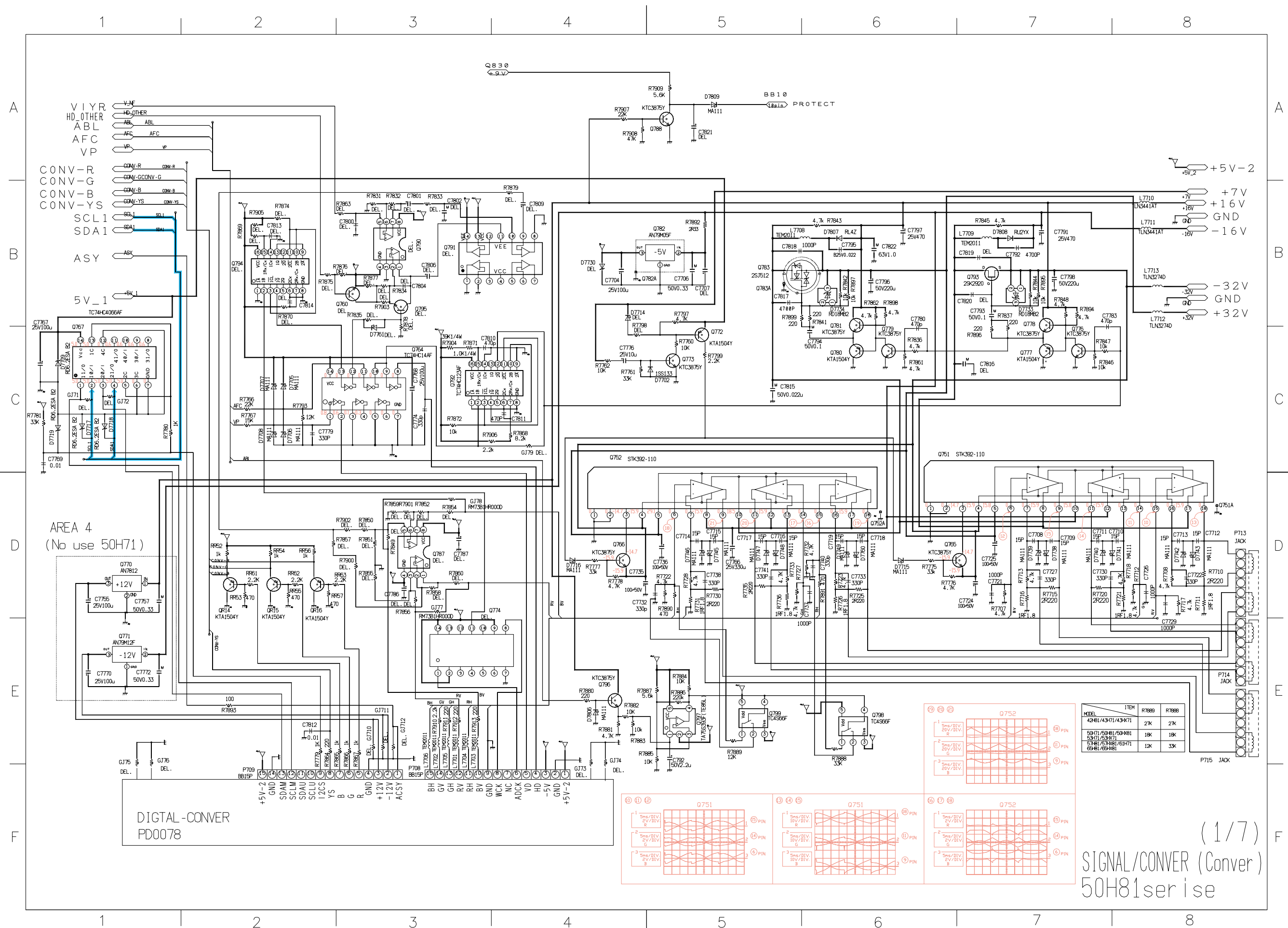
**MODEL : 50H81 Chassis No. TAC0151**

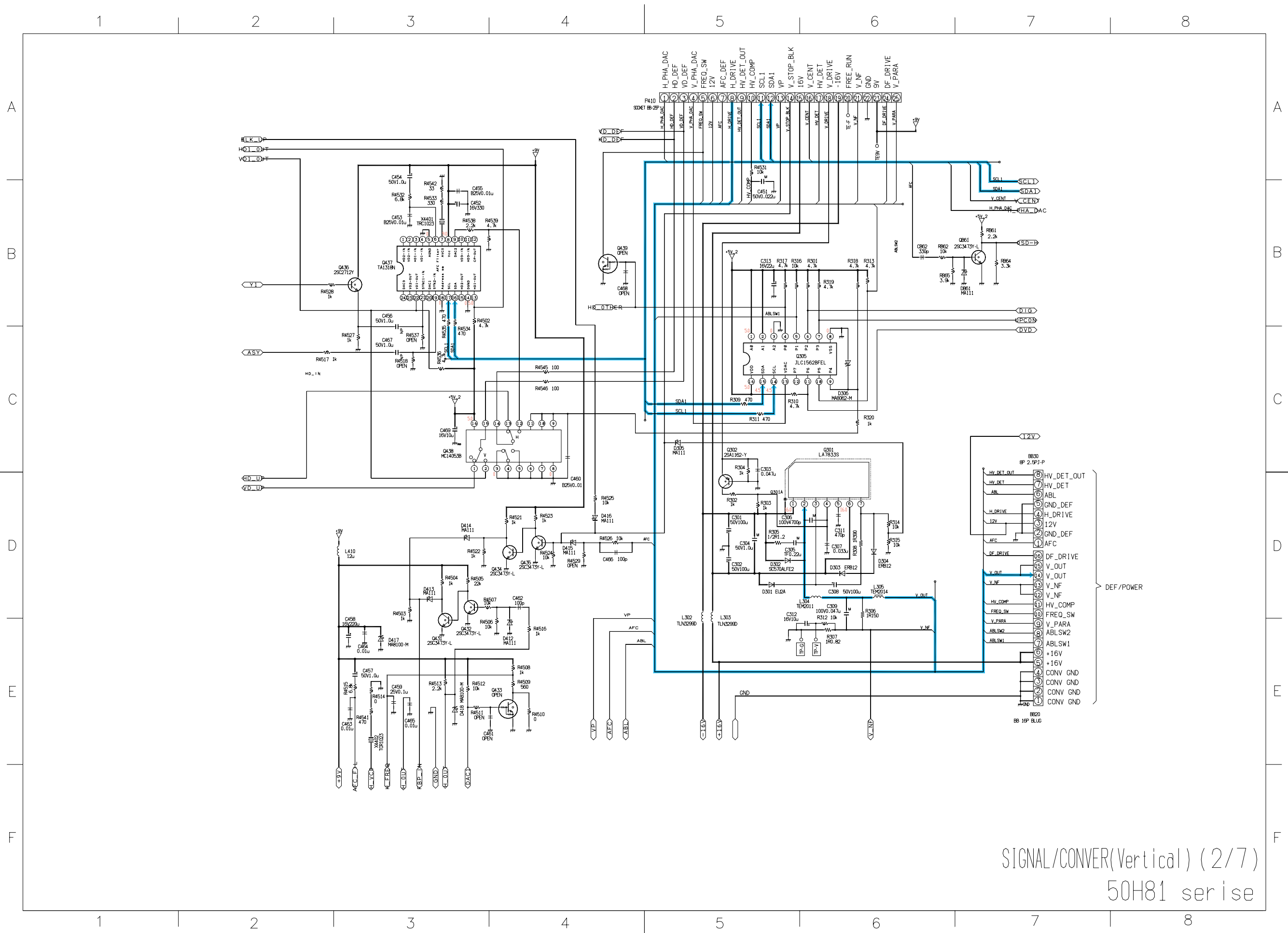
**WARNING:** BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

**CAUTION:** The international hazard symbols " $\triangle$ " 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 the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

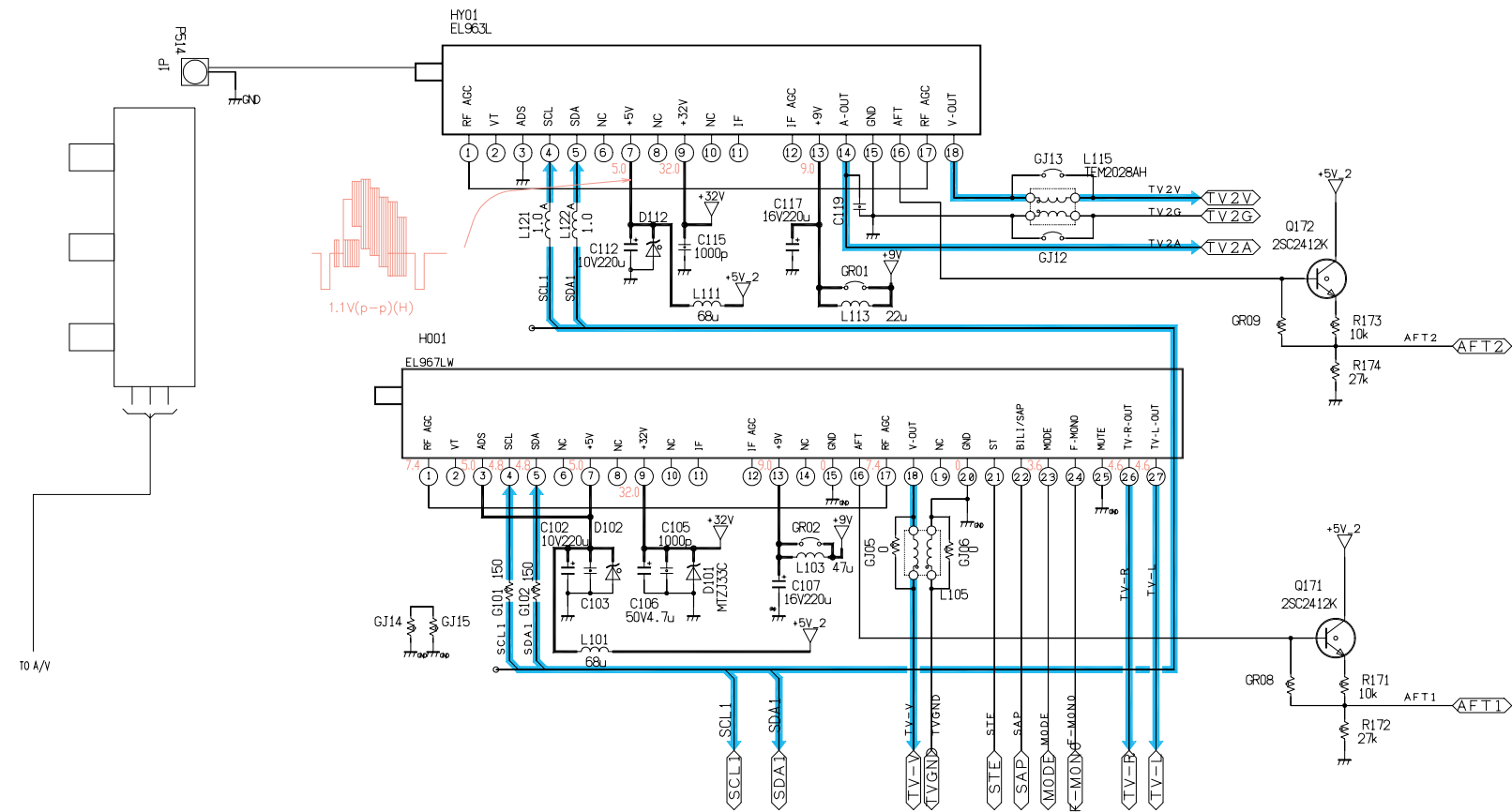
**NOTE:**

1. RESISTOR Resistance is shown in 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 = Carbon composition of 1/2 watt  
1RF = Fuse resistor of 1 watt                                      10W = Cement of 10 watt  
K =  $\pm 10\%$     G =  $\pm 2\%$     F =  $\pm 1\%$
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in  $\mu\text{F}$ , and the values more than 1 in pF.  
All capacitors are ceramic 50V, unless otherwise noted as the following marks.  
 Electrolytic capacitor                       Mylar capacitor
3. The parts indicated with "  $\triangle$  " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 120 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary  $\pm 20\%$  except H.V.



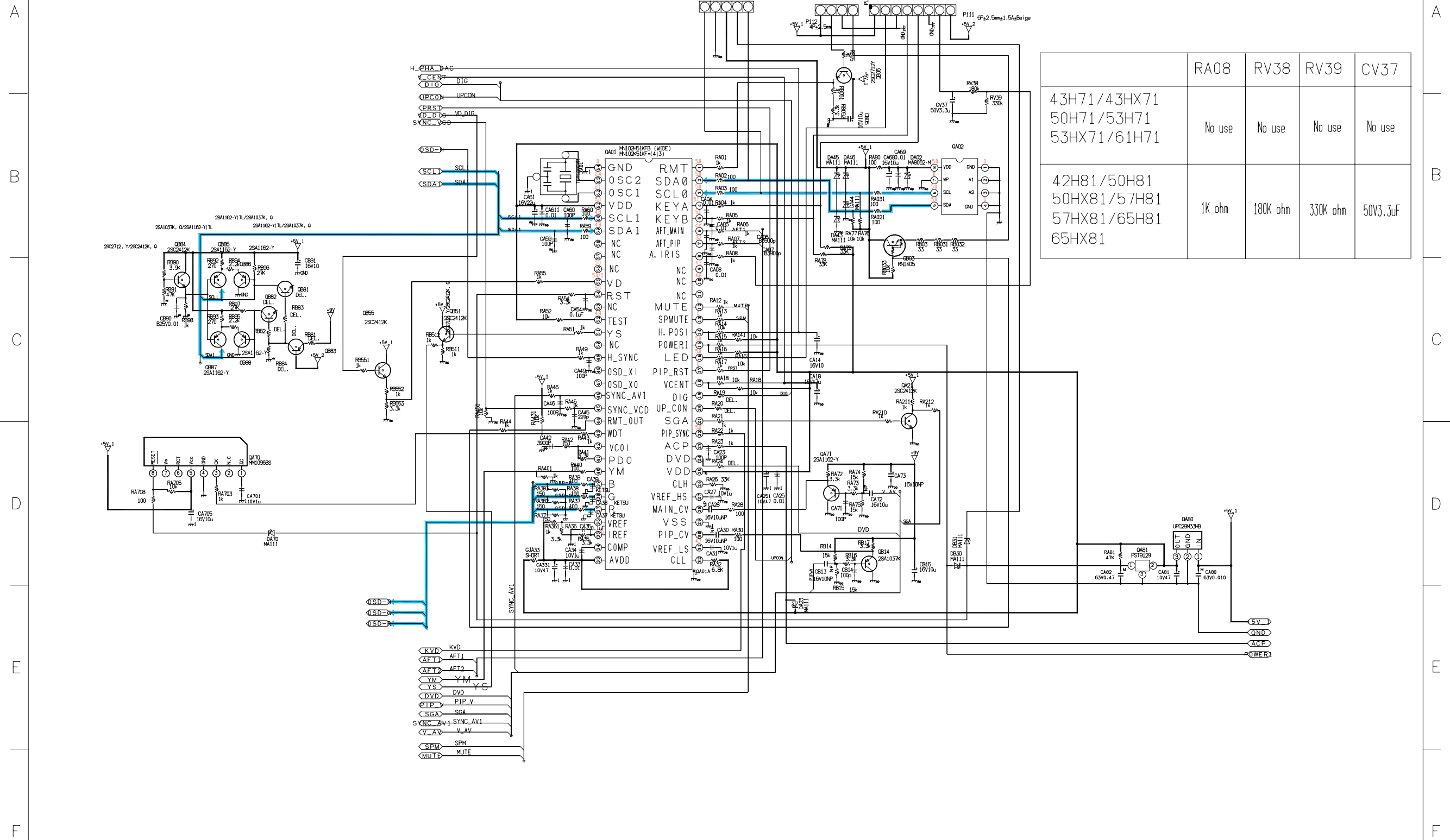


SIGNAL/CONVER(Vertical) (2/7)  
50H81 serie



SIGNAL/CONVER(If) (3/7)  
50H81serie

1 2 3 4 5 6 7 8



SIGNAL/CONVER(Mai con) (4/7)  
50H81 serie

1 2 3 4 5 6 7 8

1

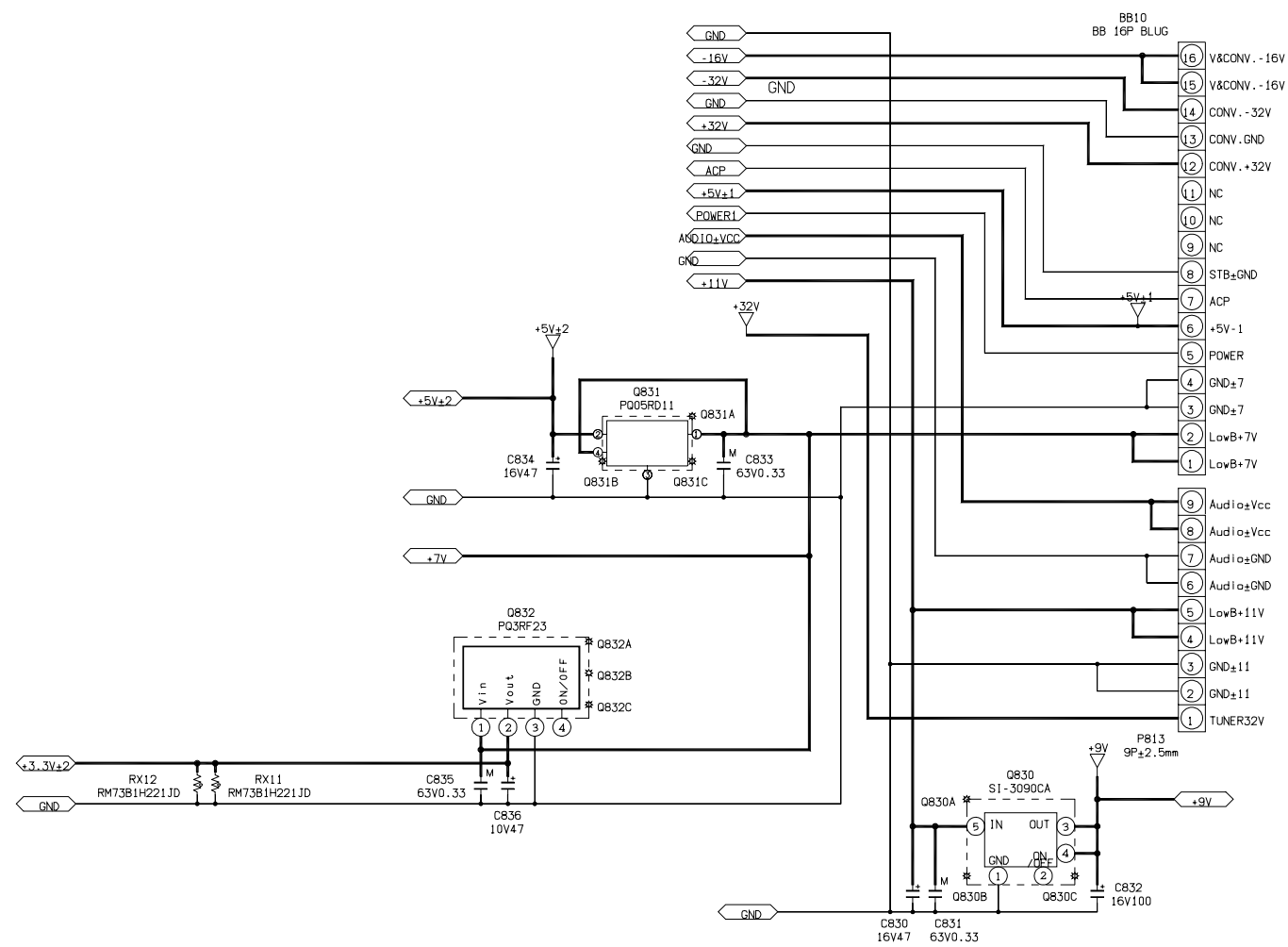
2

A

A

B

B

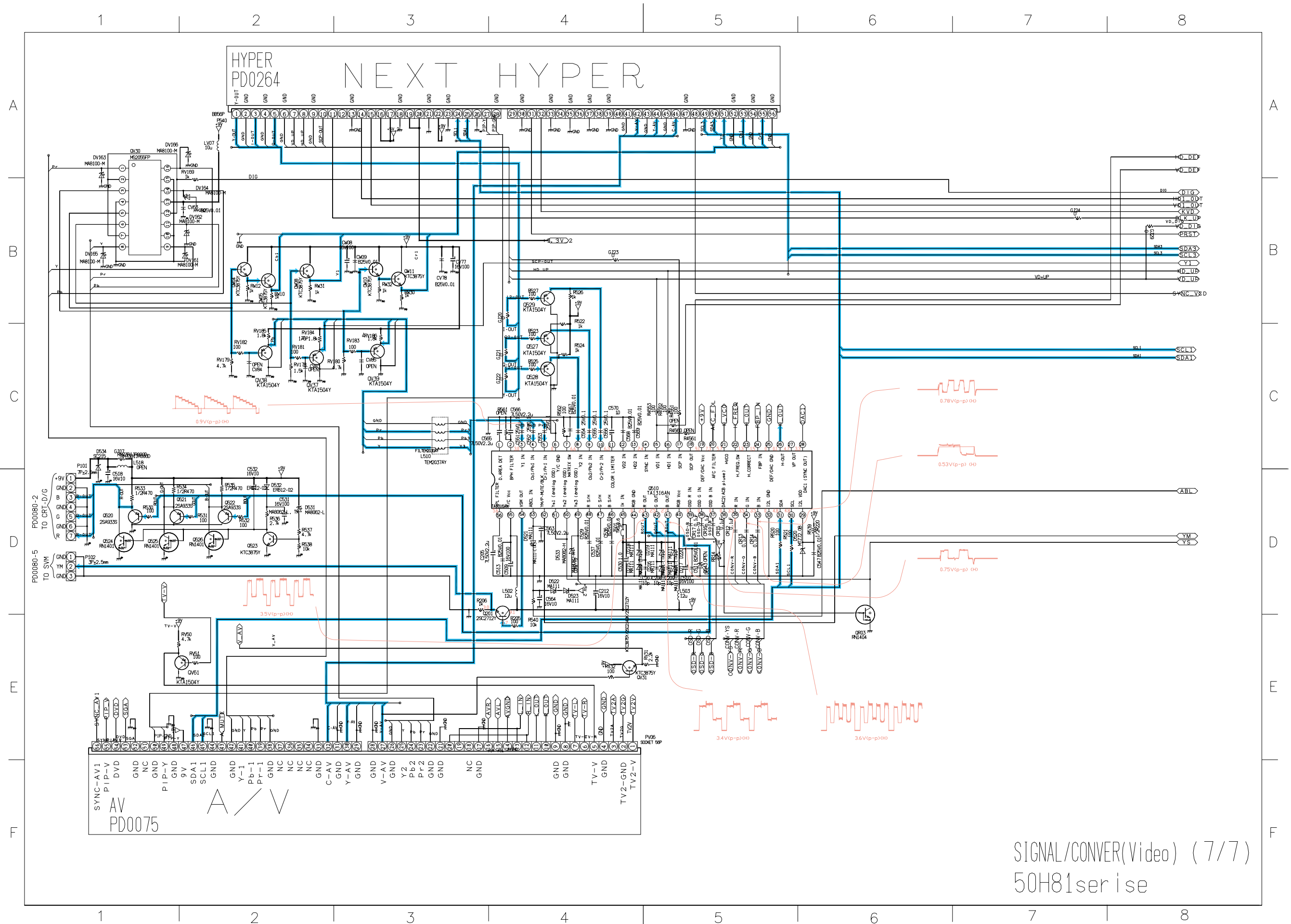


SIGNAL/CONVER(Power) (5/7)  
50H81 series

1

2







1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

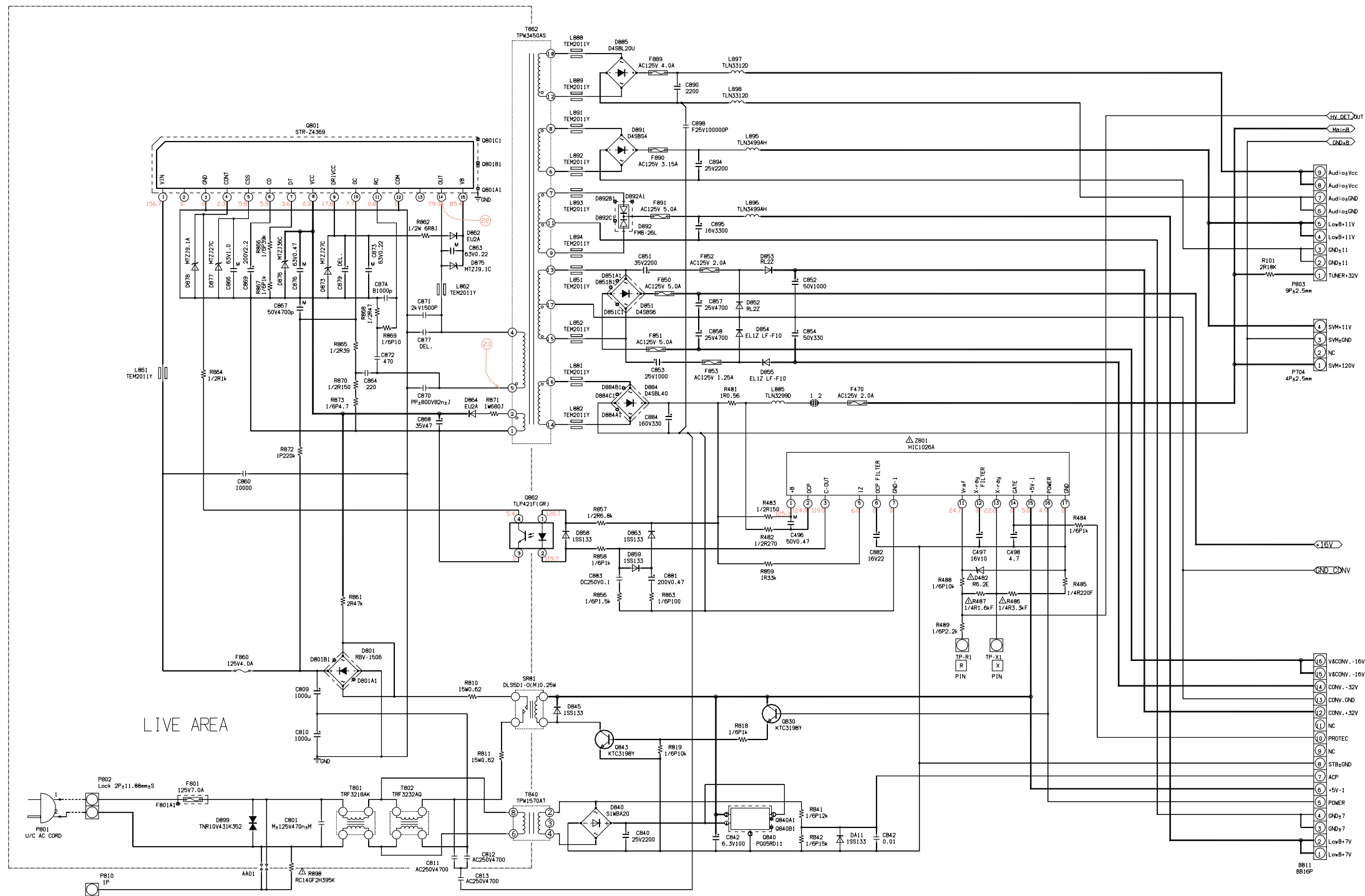
B

C

D

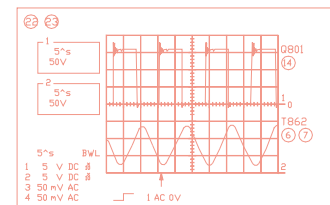
E

F



NOTE

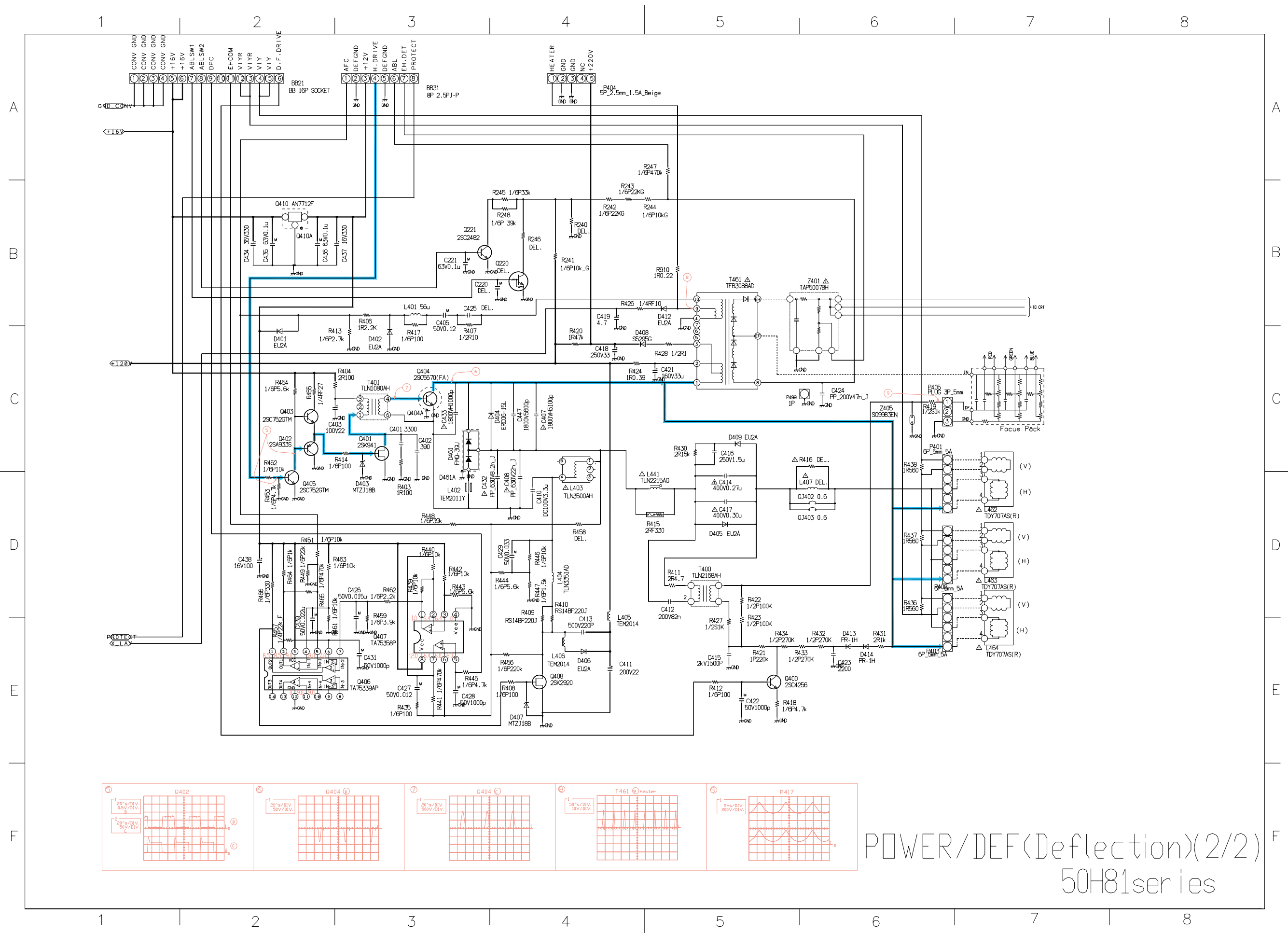
1. RESISTOR Resistance is shown in ohm (k = 1,000, M = 1,000,000). All resistors are 1/8W and 5% tolerance carbon resistor unless otherwise noted as the following marks.  
1/2R | Metal or Metal oxide of 1/2 watt  
1/2S | Solid of 1/2 watt  
1/2F | Fuse resistor of 1 watt  
K = 50% G = 2% F = 1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values more than 1 in pF.  
All capacitors are ceramic 50V, unless otherwise noted as the following marks.  
\* | Electrolytic capacitor  
\* | Mylar capacitor
3. The parts indicated with \* Δ have special characteristics should be replaced with identical parts only.
4. This schematic diagram is the latest time of copying, so it must be changed in accordance with all informed modification notices.



POWER/DEF(Power)(1/2)  
50H81 series

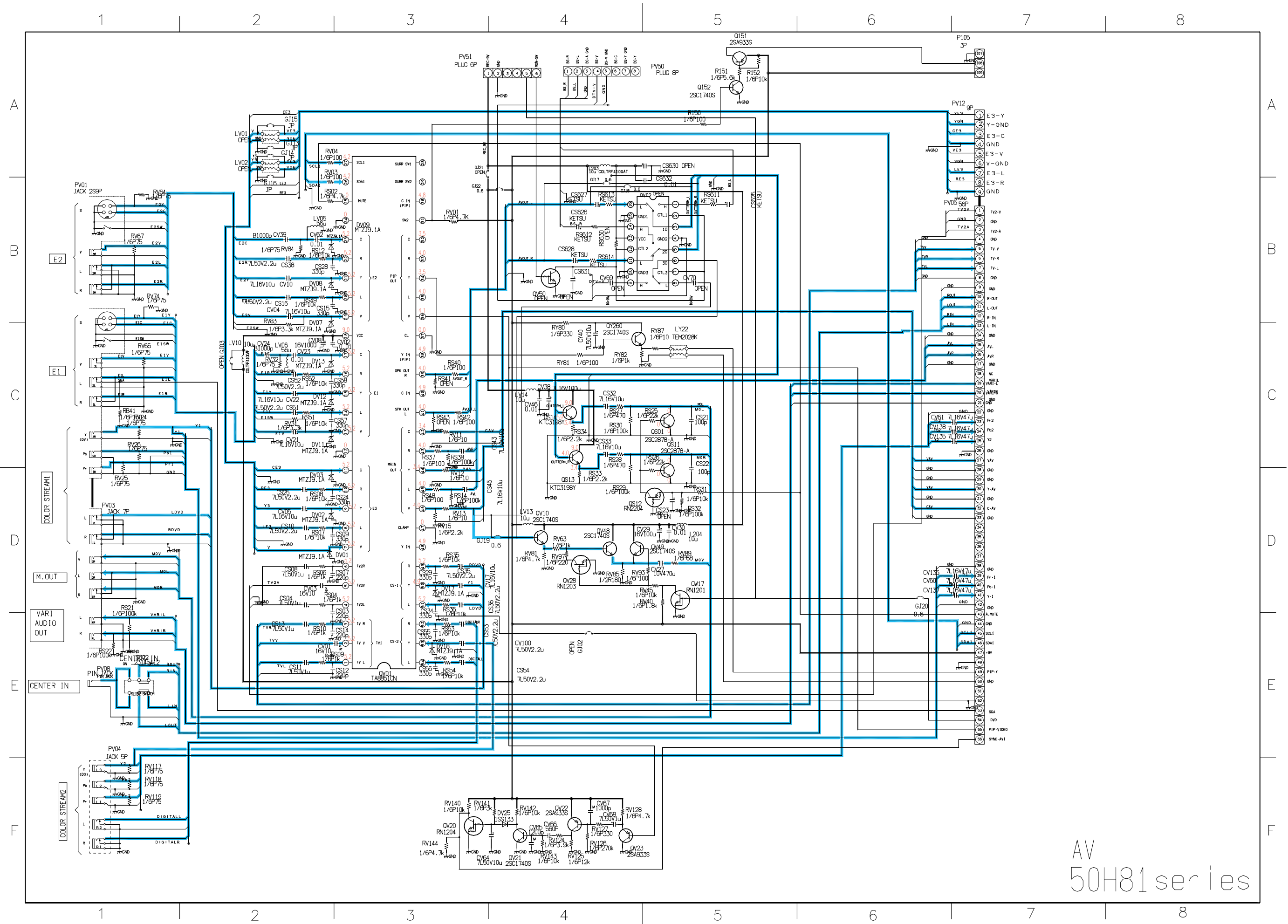
PD0080-5(CRT-D/SVM) PD0073(SIGNAL/CONVER)

PD0073(SIGNAL/CONVER)



POWER/DEF(Deflection)(2/2)  
50H81series





1 2 3 4 5 6 7 8 9 10 11 12

A

B

C

D

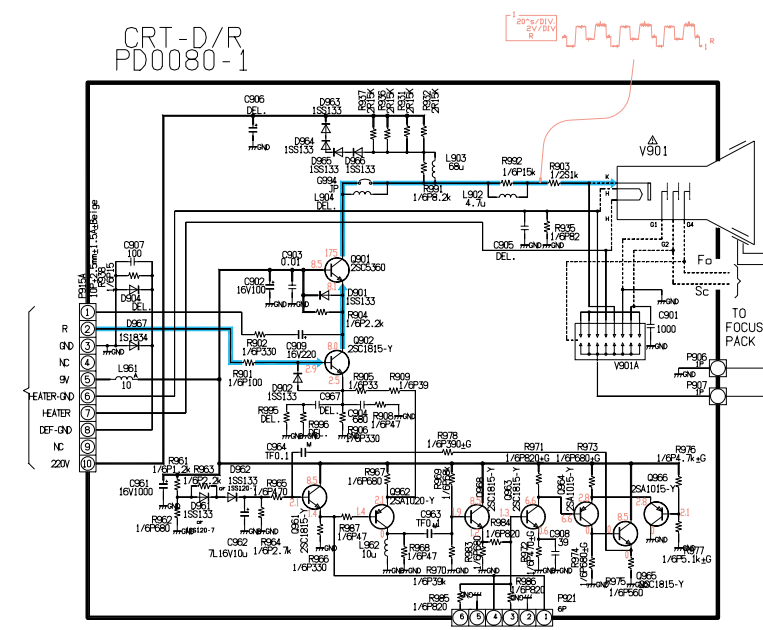
E

F

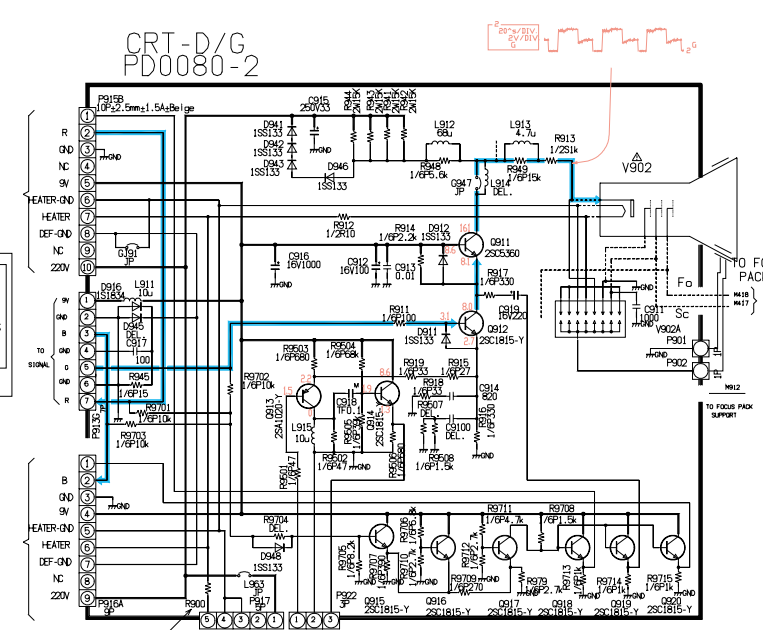
G

H

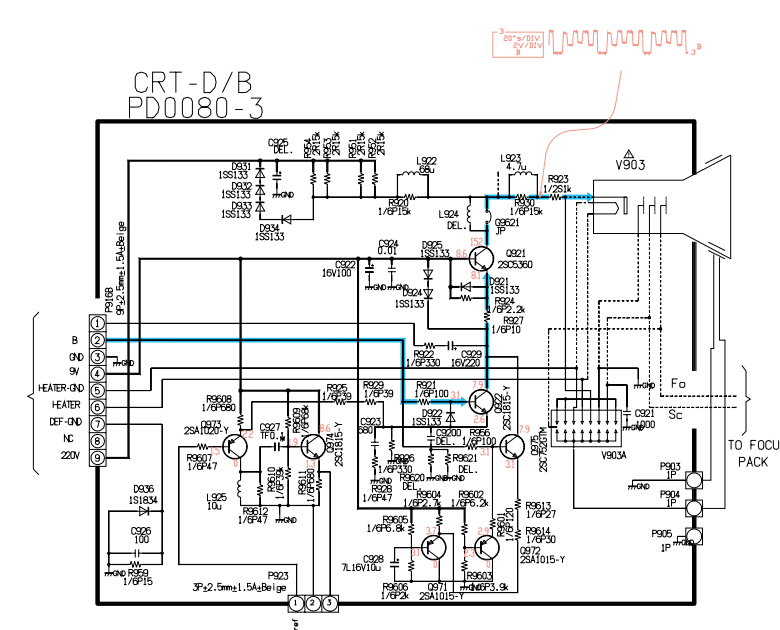
CRT-D/R  
PD0080-1



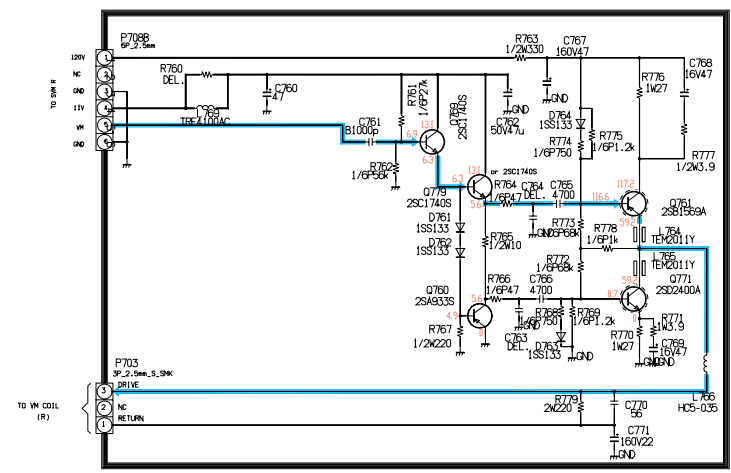
CRT-D/G  
PD0080-2



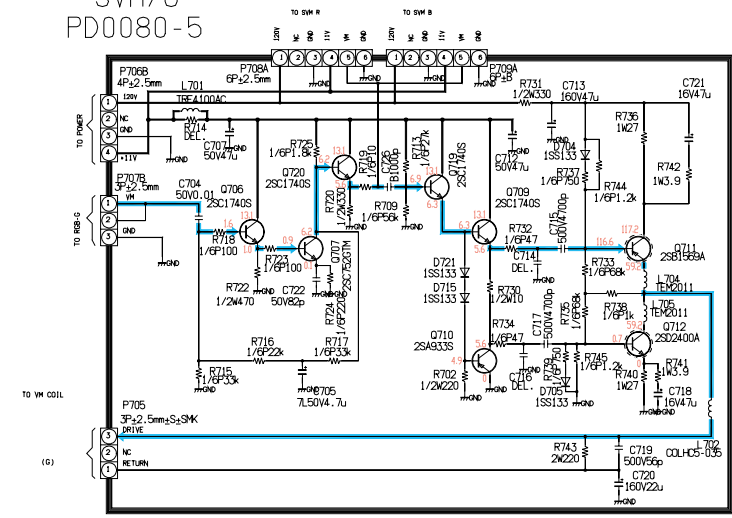
CRT-D/B  
PD0080-3



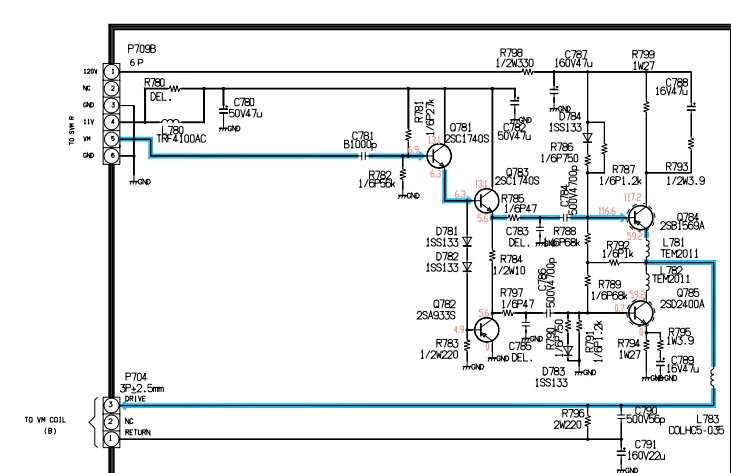
SVM/R  
PD0080-4



SVM/G  
PD0080-5



SVM/B  
PD0080-6



CRT/SVM  
50H81 series

1 2 3 4 5 6 7 8 9 10 11 12



1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

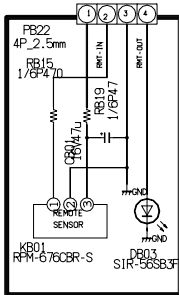
C

D

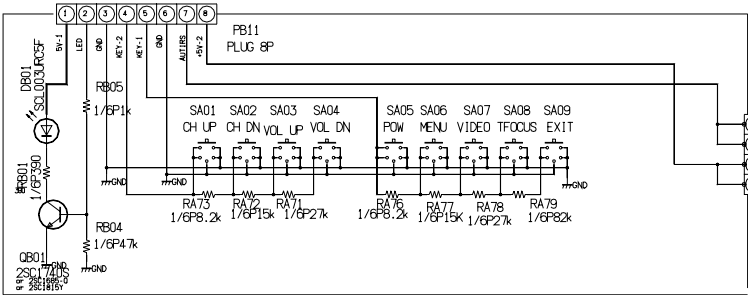
E

F

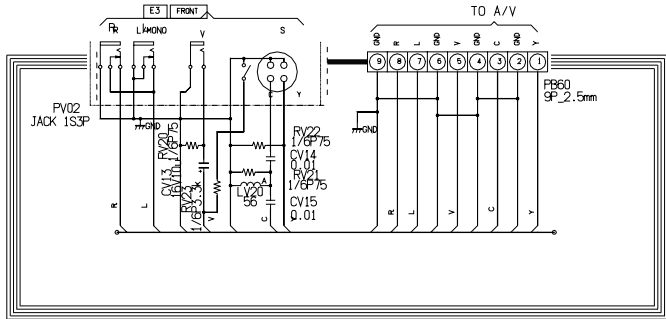
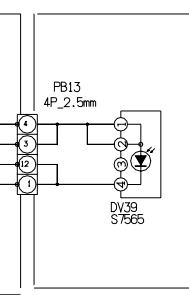
E043Z  
REMOTE



E041Z  
FRONT-CONTROL

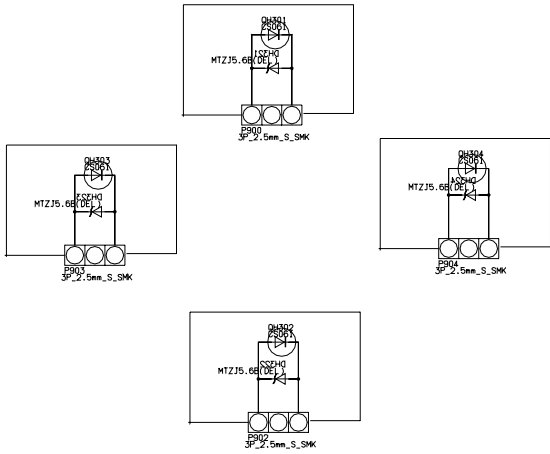


E044Z  
ALS  
(Ambient Light Sensor)



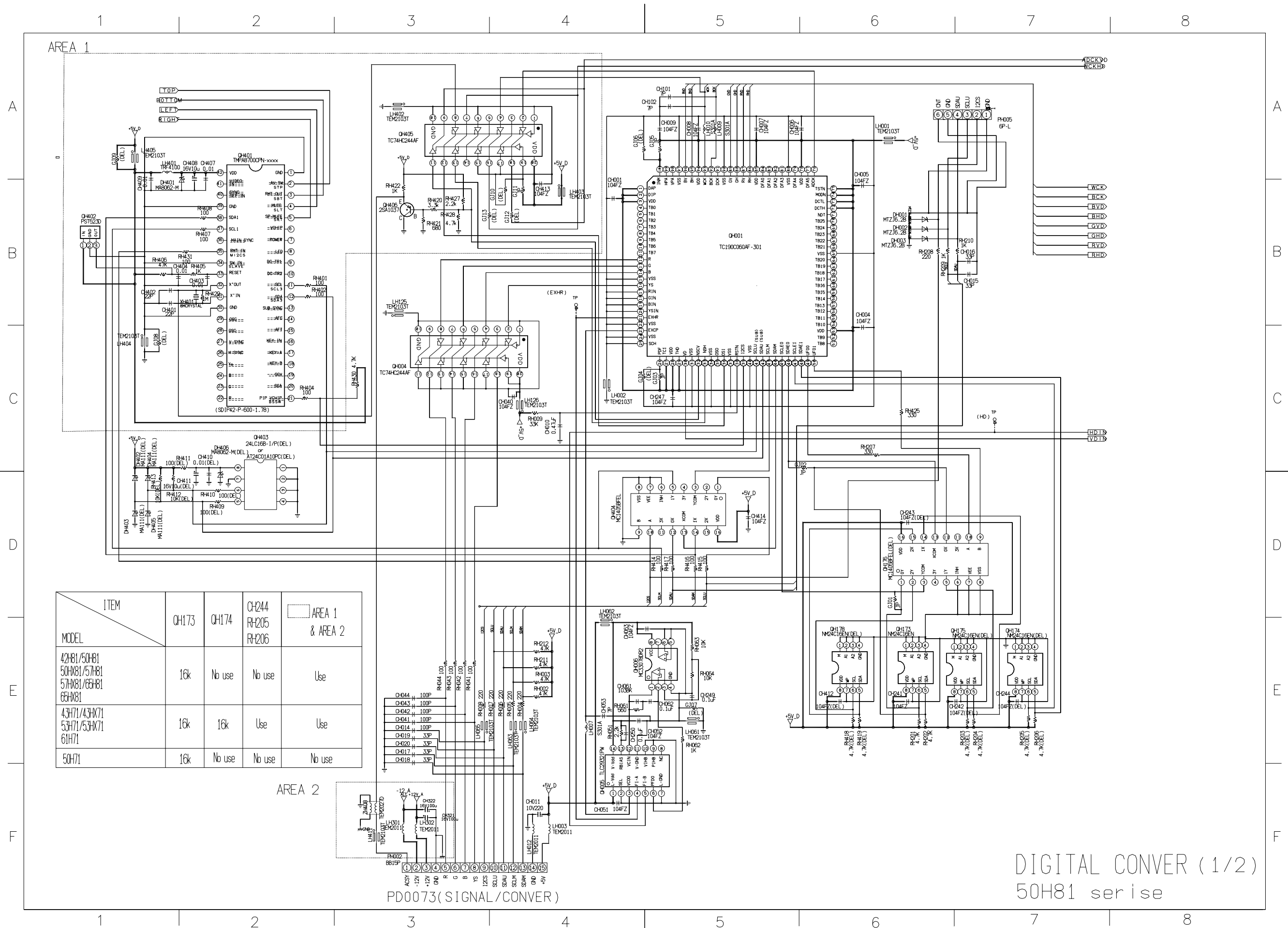
E042Z  
FRONT - IN

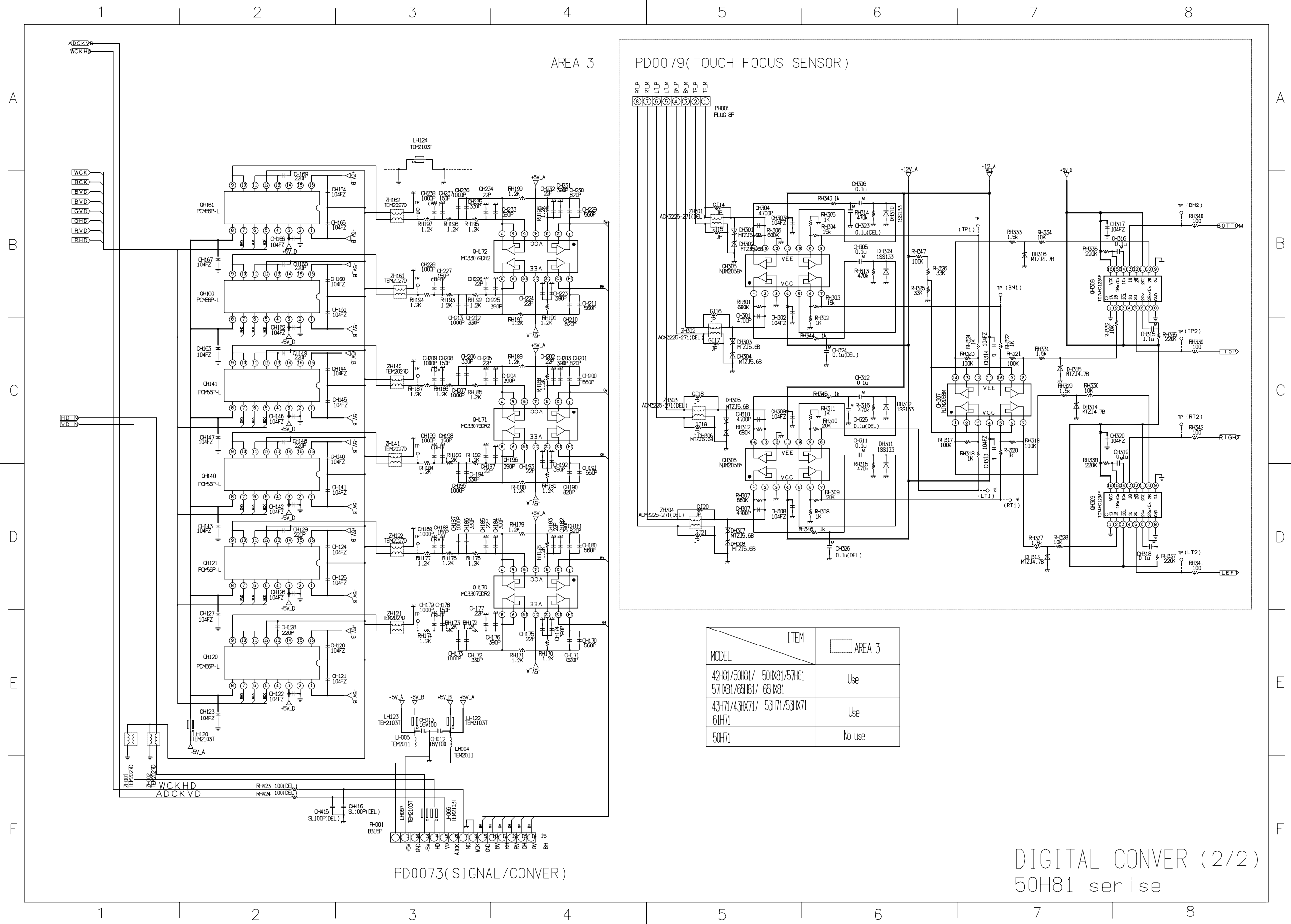
MODEL	50H71	43H71	42H81	50HX81
		43HX71	50H81	57HX81
		53H71	57H81	65HX81
		53HX71	65H81	
		61H71		
PCB NAME				
FRONT-CONTROL	Use	Use	Use	Use
FRONT- IN	Use	Use	Use	Use
REMOTE	Use	Use	Use	Use
ALS	No use	No use	Use	Use



No use 50H71

FRONT  
ALS-SENSOR  
50H81 ser ise



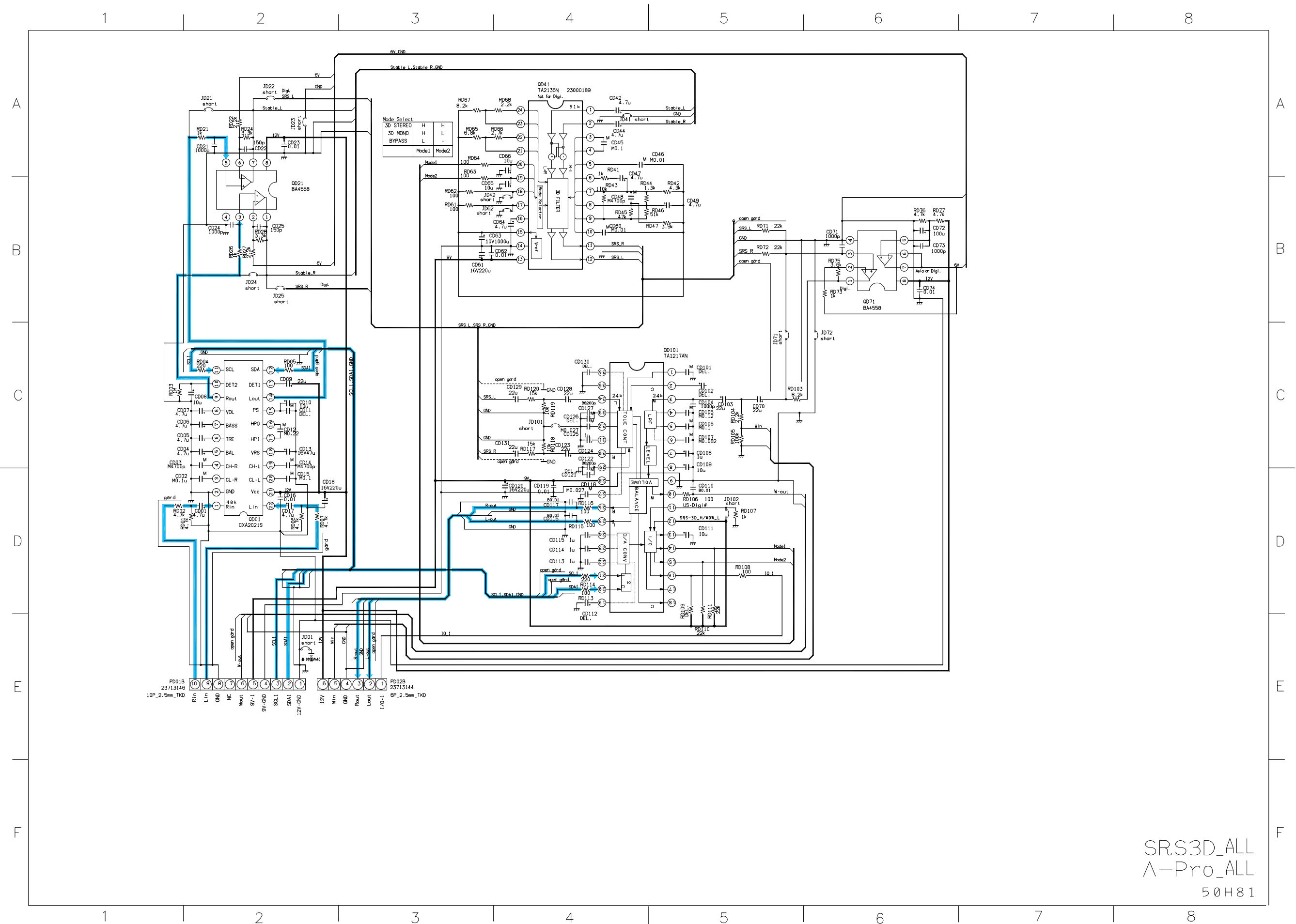


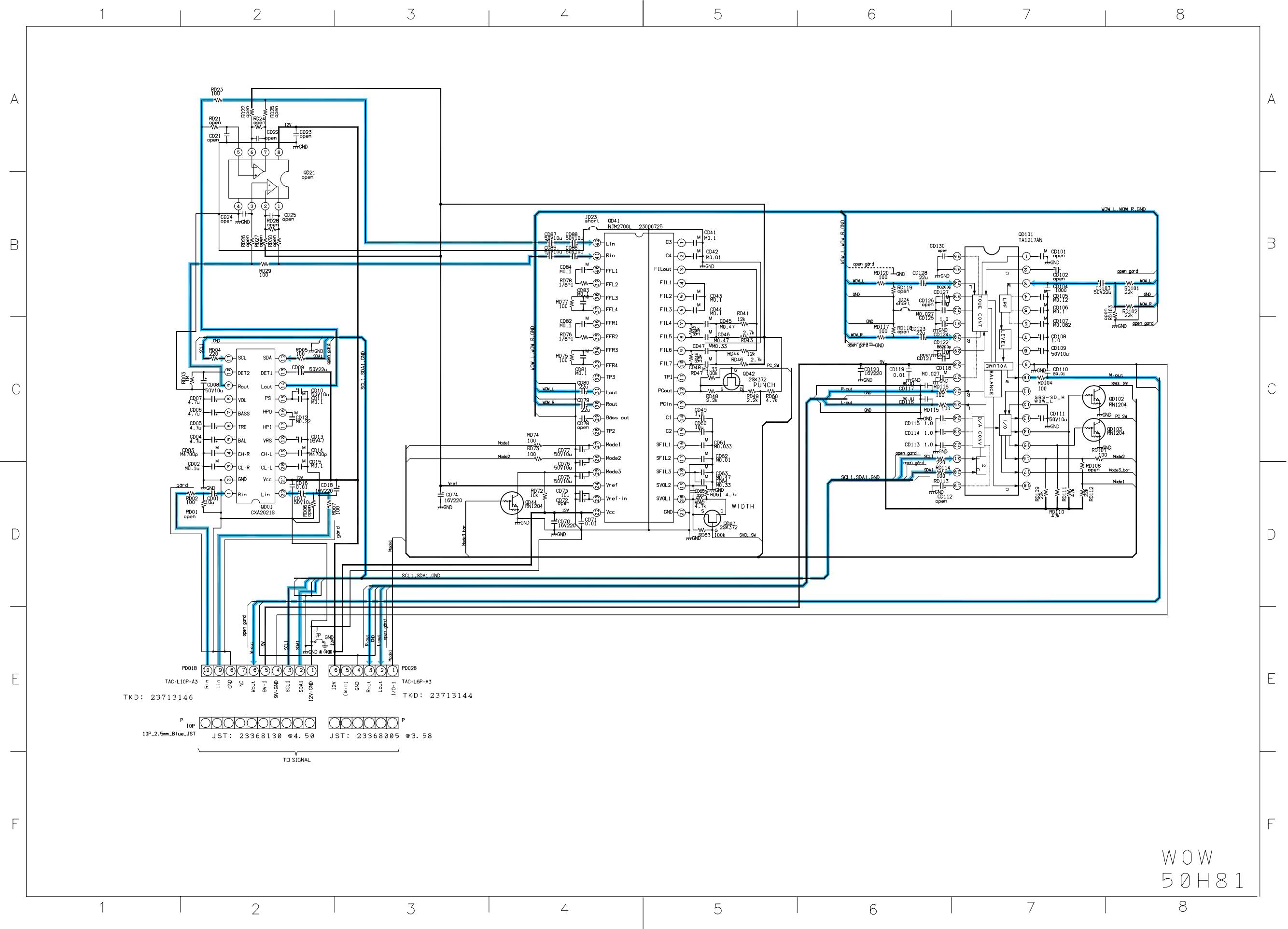
MODEL	ITEM	AREA 3
42H81/50H81/ 57H81/66H81/ 66H81		Use
43H71/43H71/ 53H71/53H71 61H71		Use
50H71		No use

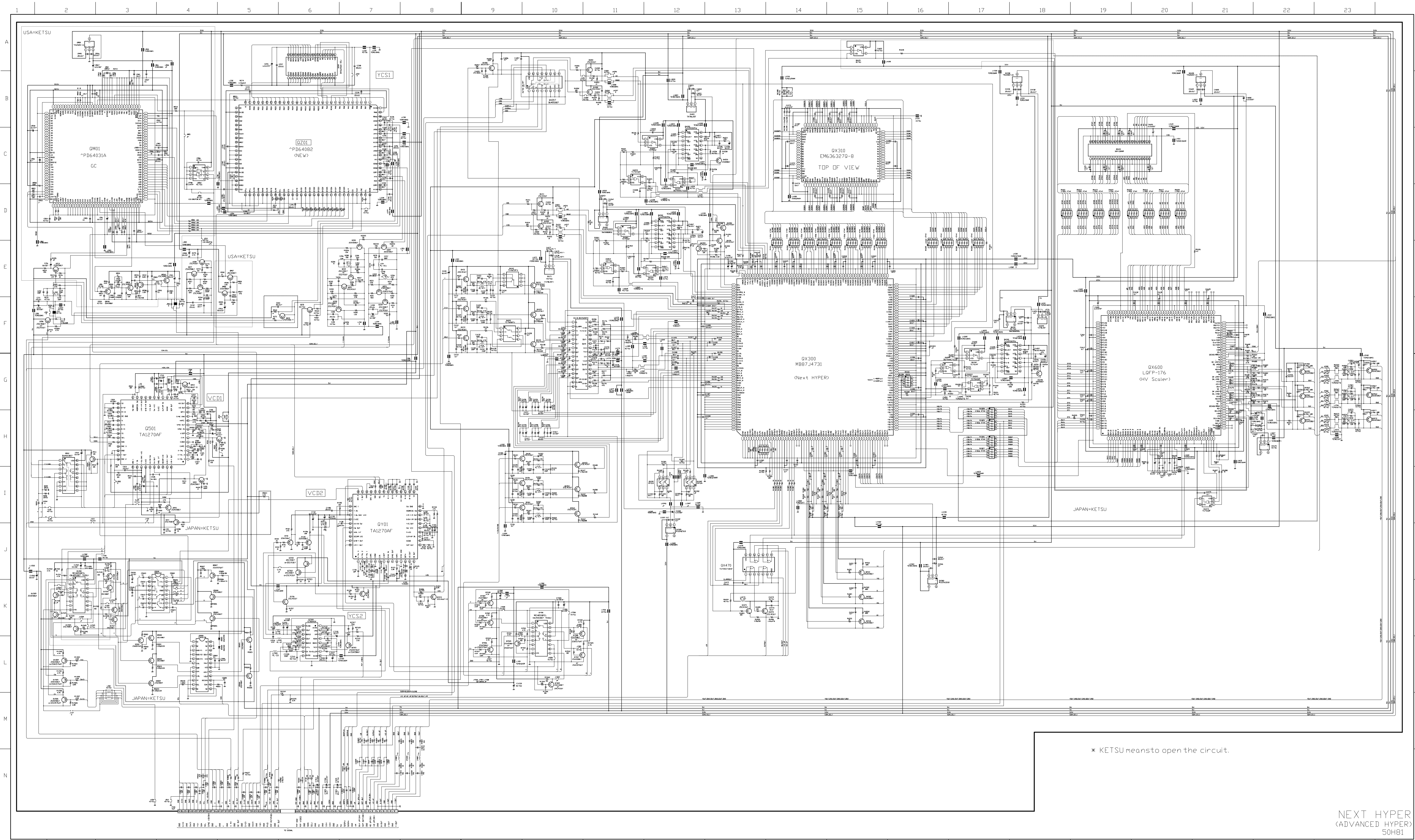
DIGITAL CONVER (2/2)  
50H81 serie











\* KETSU meansto open the circuit.

1

2

3

4

5

6

A

B

C

D

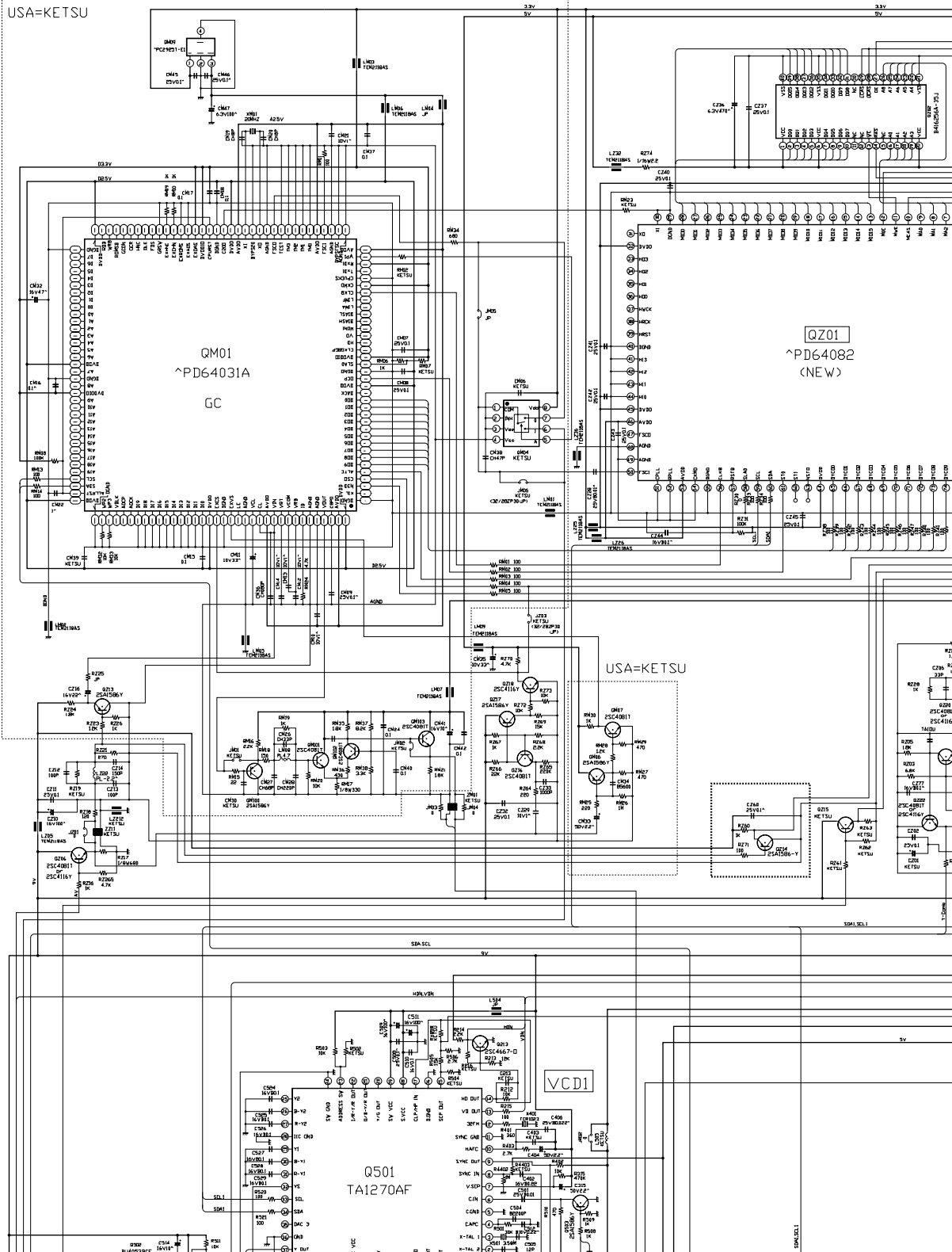
E

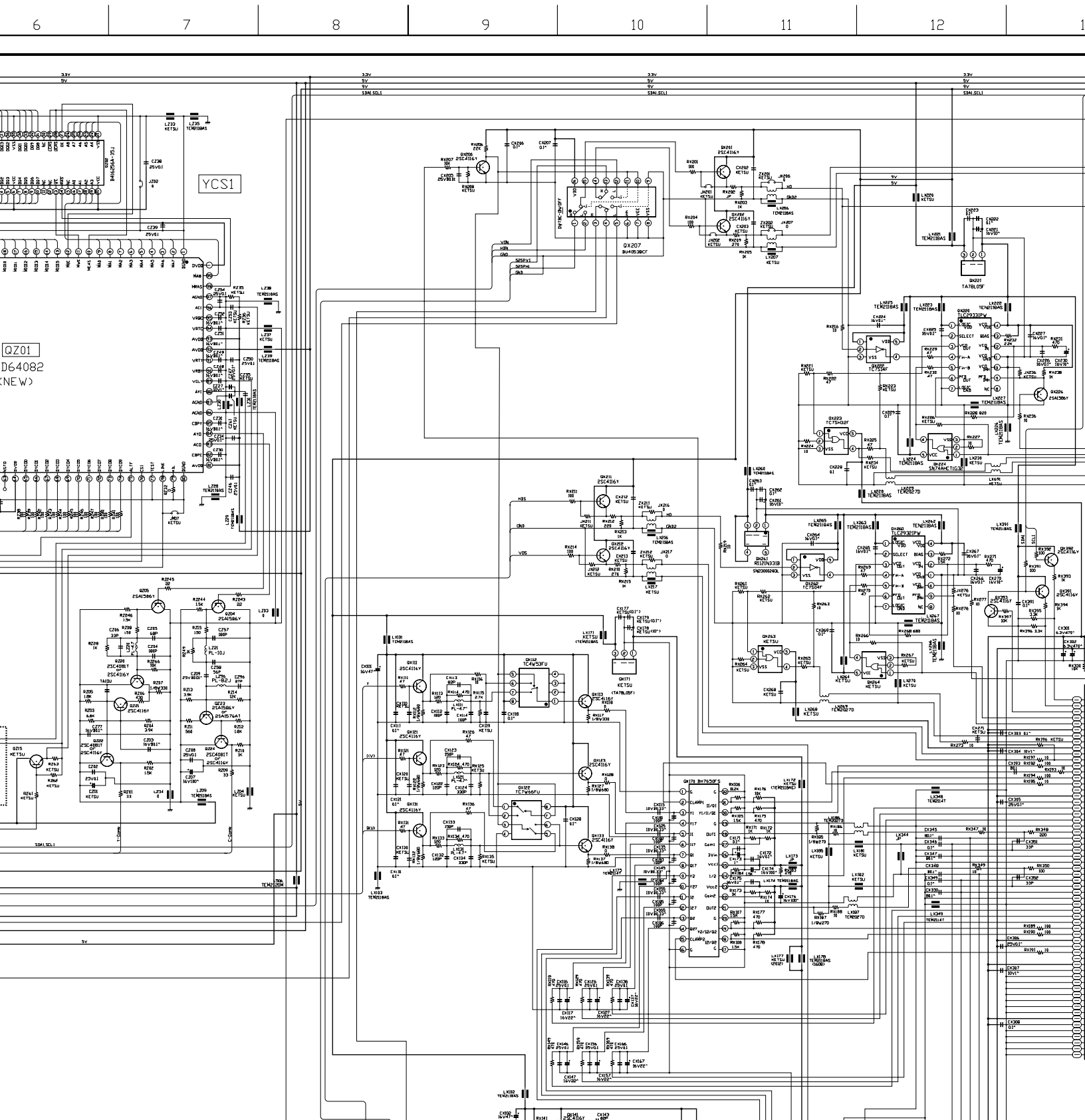
F

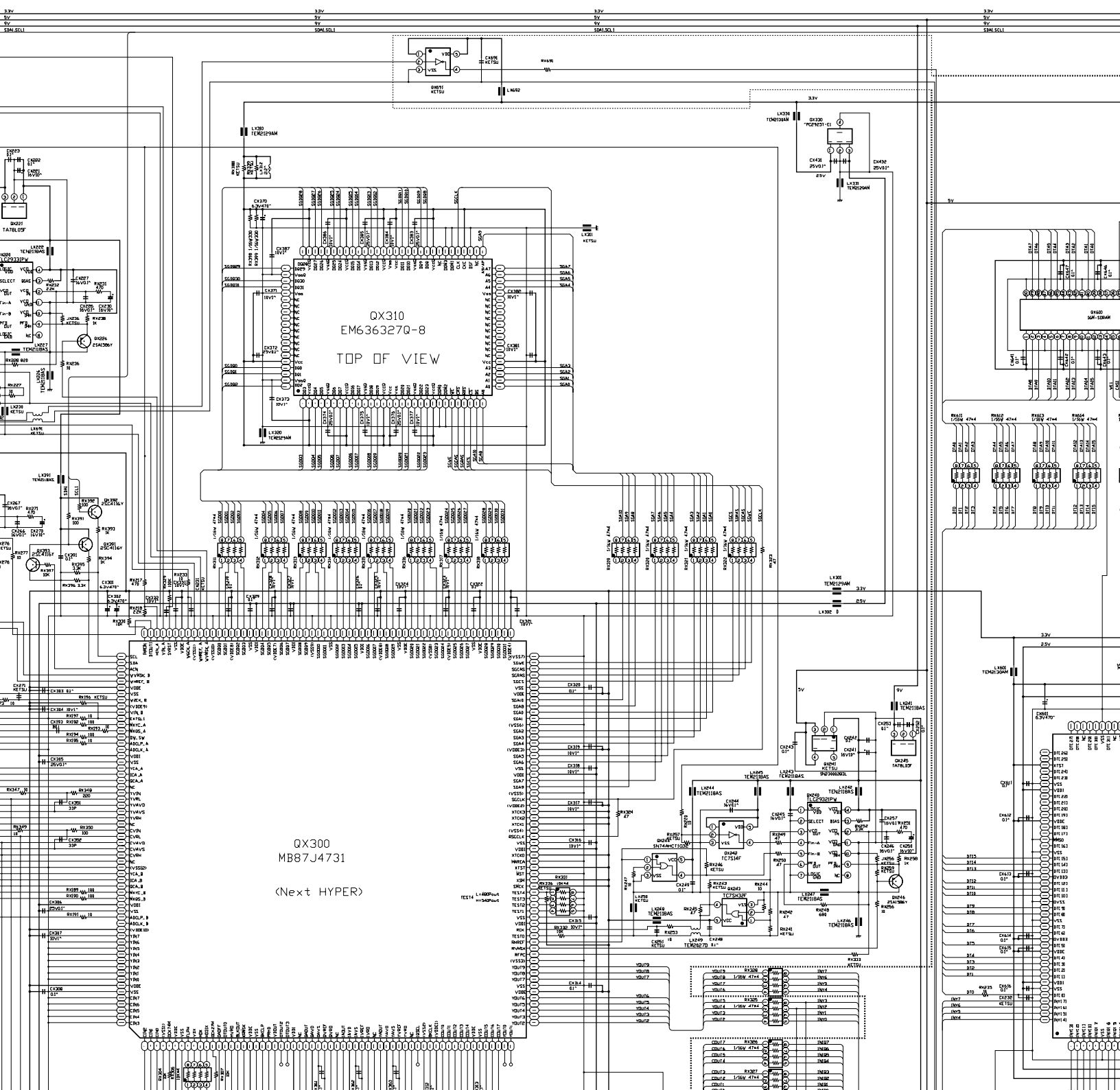
G

H

USA=KETSU







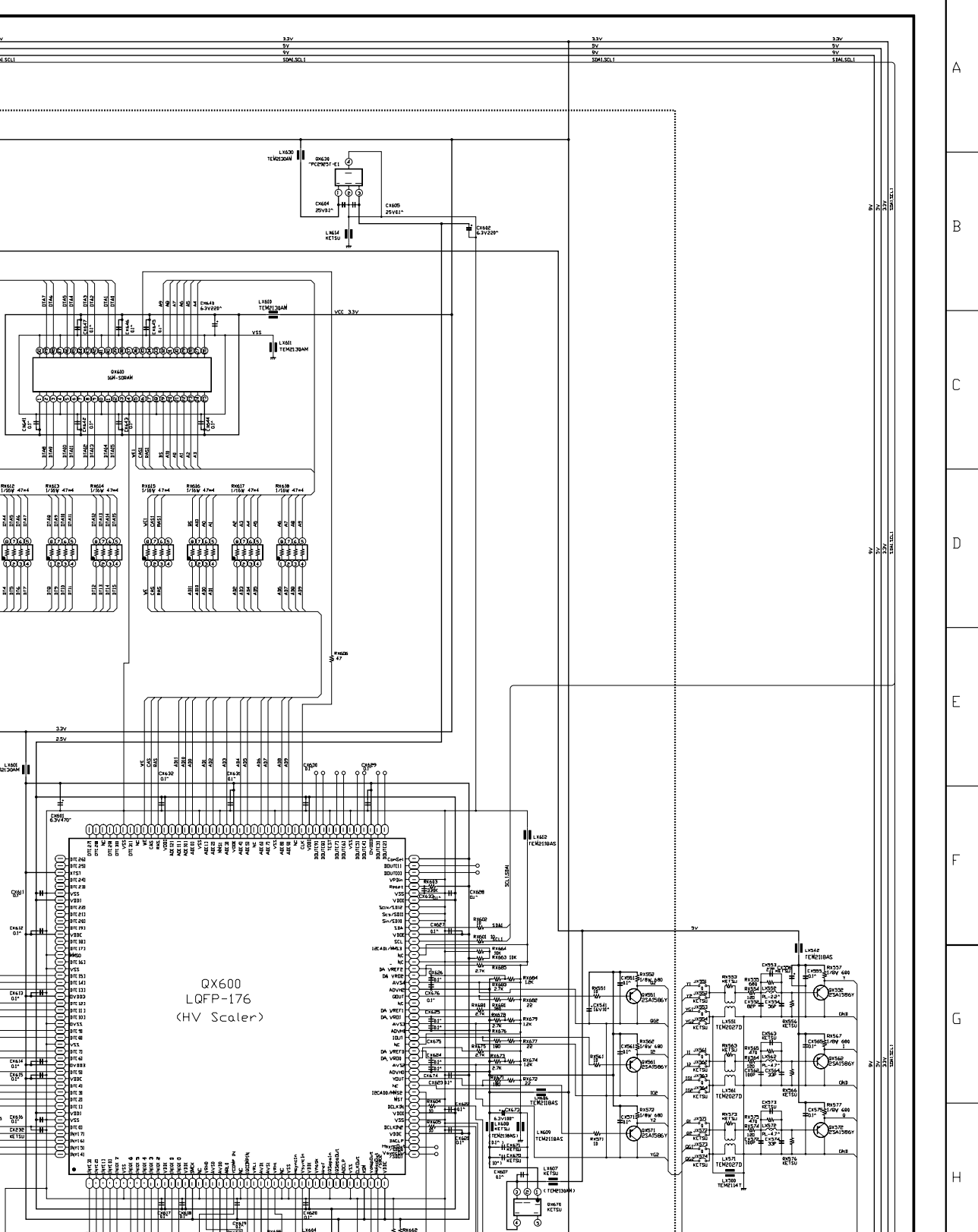
19

20

21

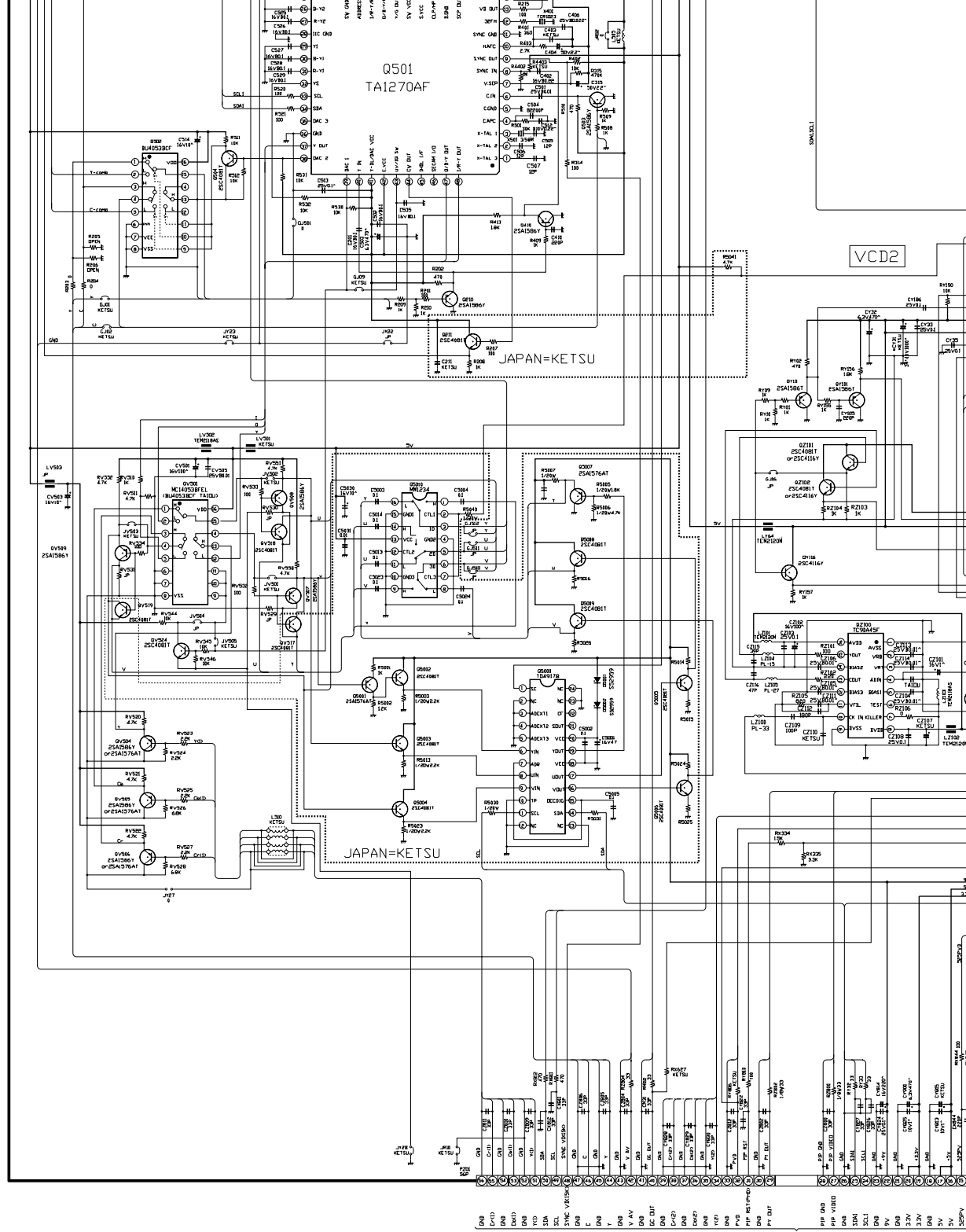
22

23

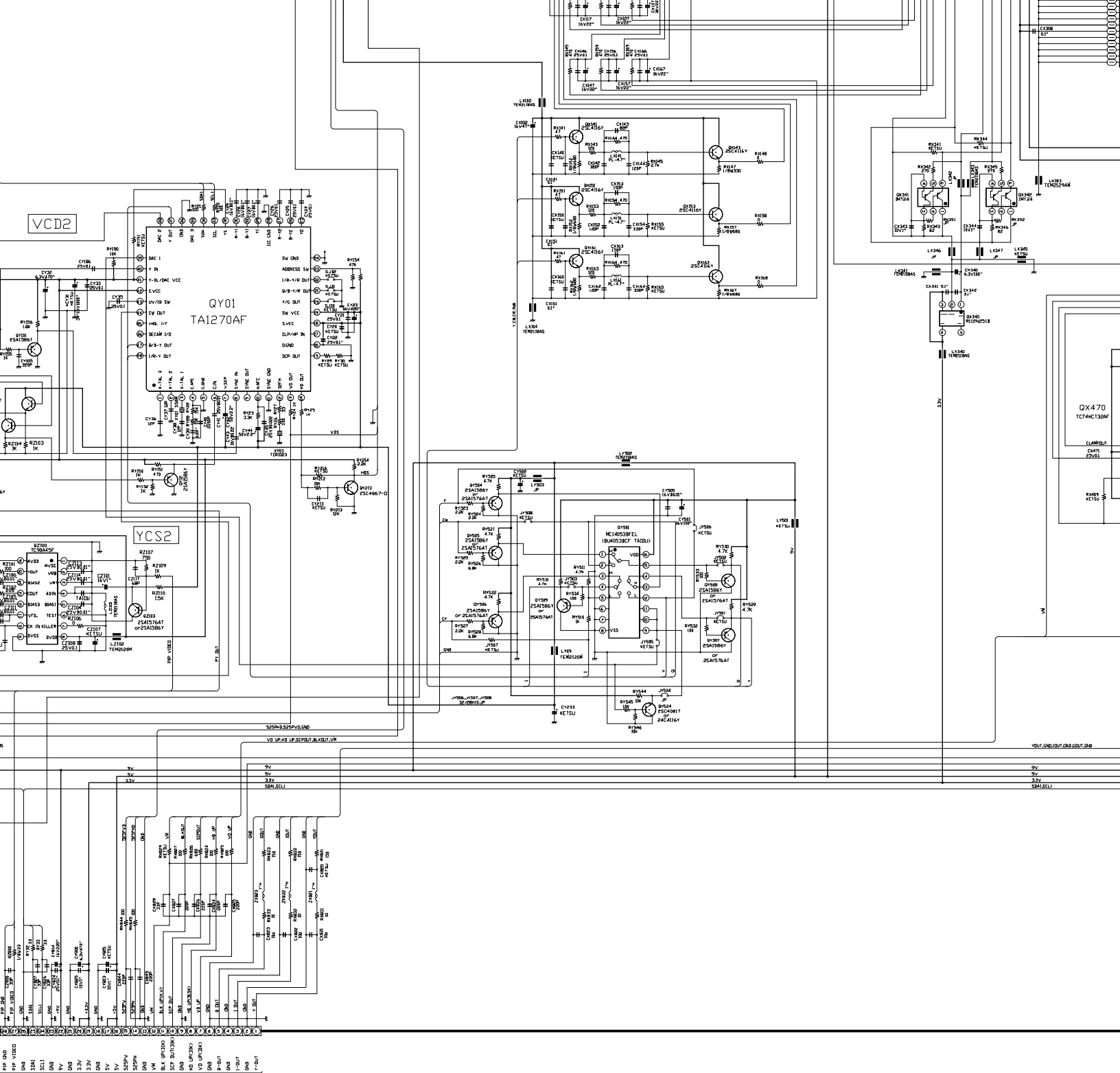




H  
I  
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K  
L  
M  
N



1 2 3 4 5 6



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