

SCHEMATIC DIAGRAM

MODEL : 56H80 Chassis No. TAC0072
 40H80 Chassis No. TAC0073

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:

- 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 = $\pm 1\%$
- CAPACITOR** Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF , and the values 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 " \triangle " have special characteristics, and should be replaced with identical parts only.
- 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.
- Waveforms are taken receiving color bar signal with enough sensitivity.
- Voltage reading shown are nominal values and may vary $\pm 20\%$ except H.V.

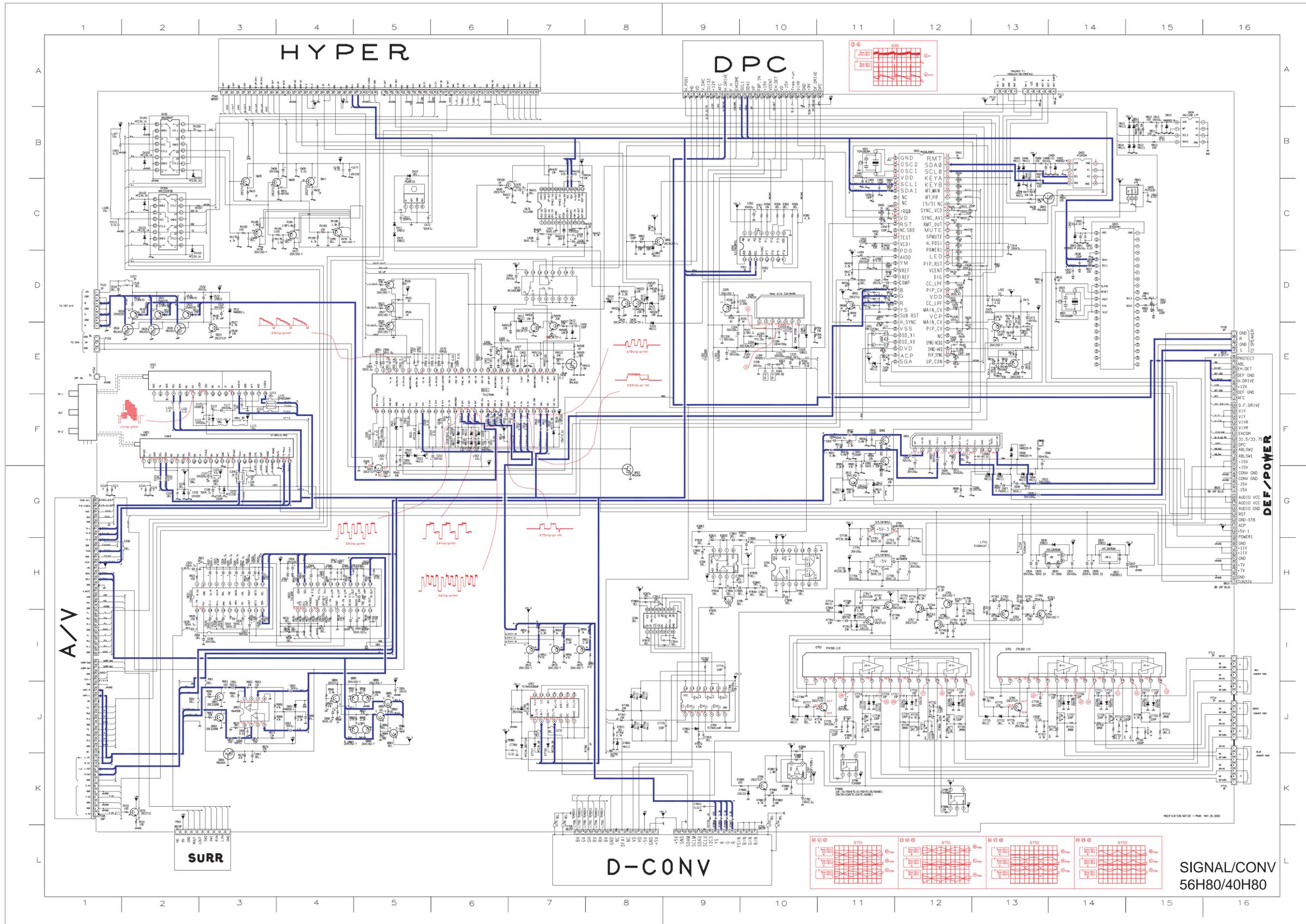
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "△" 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.

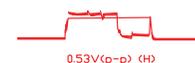
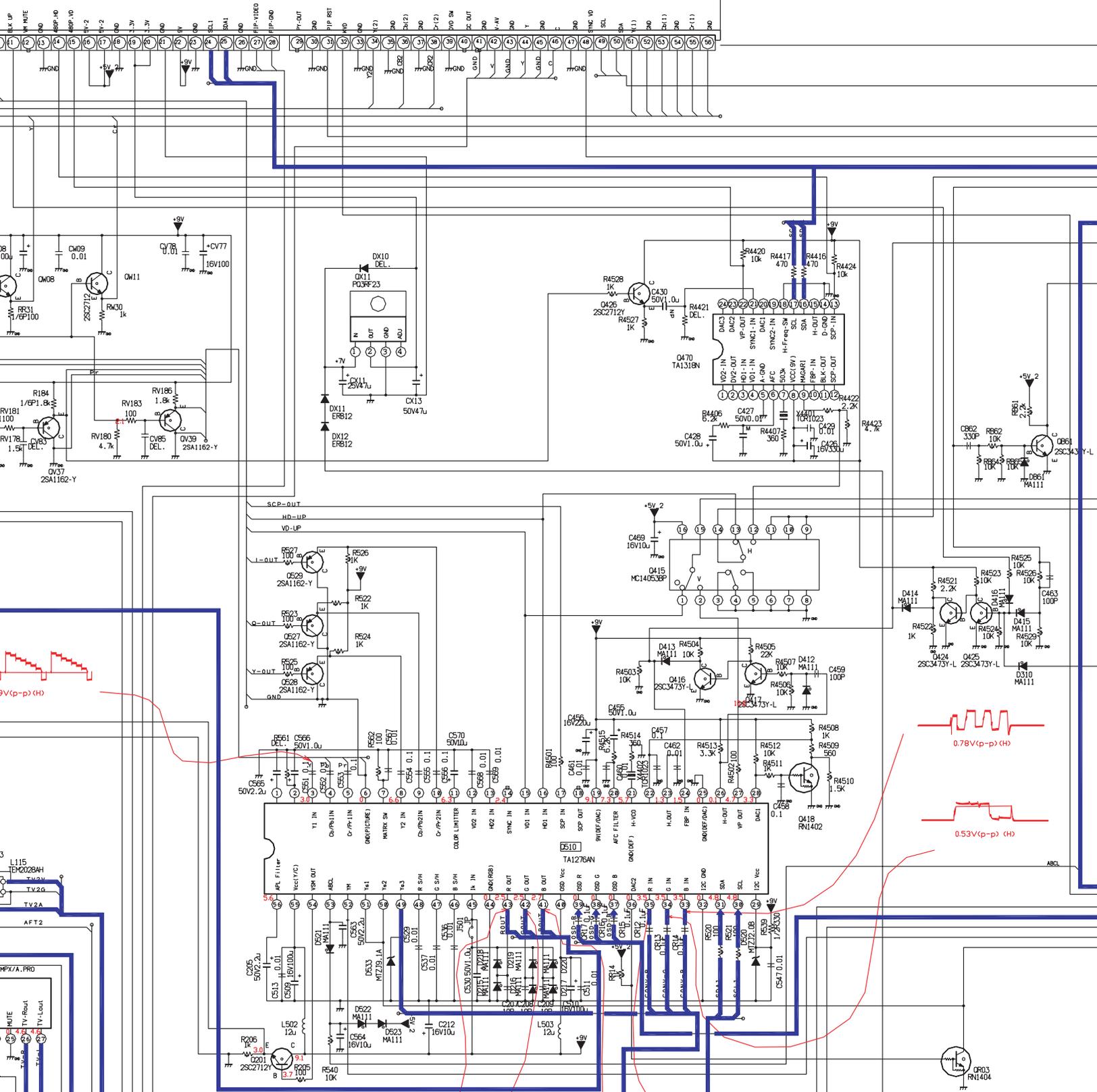
NOTE:

- 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
1RF = Fuse resistor of 1 watt
K = ±10% G = ±2% F = ±1%
- 2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, 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 "△" have special characteristics, and should be replaced with identical parts only.

- 4. Voltages read with DIGITAL MULTI-METER from point indicated to chassis 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 ±20% except H.V.

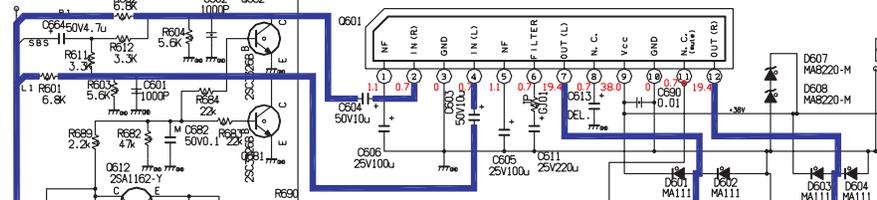
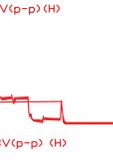
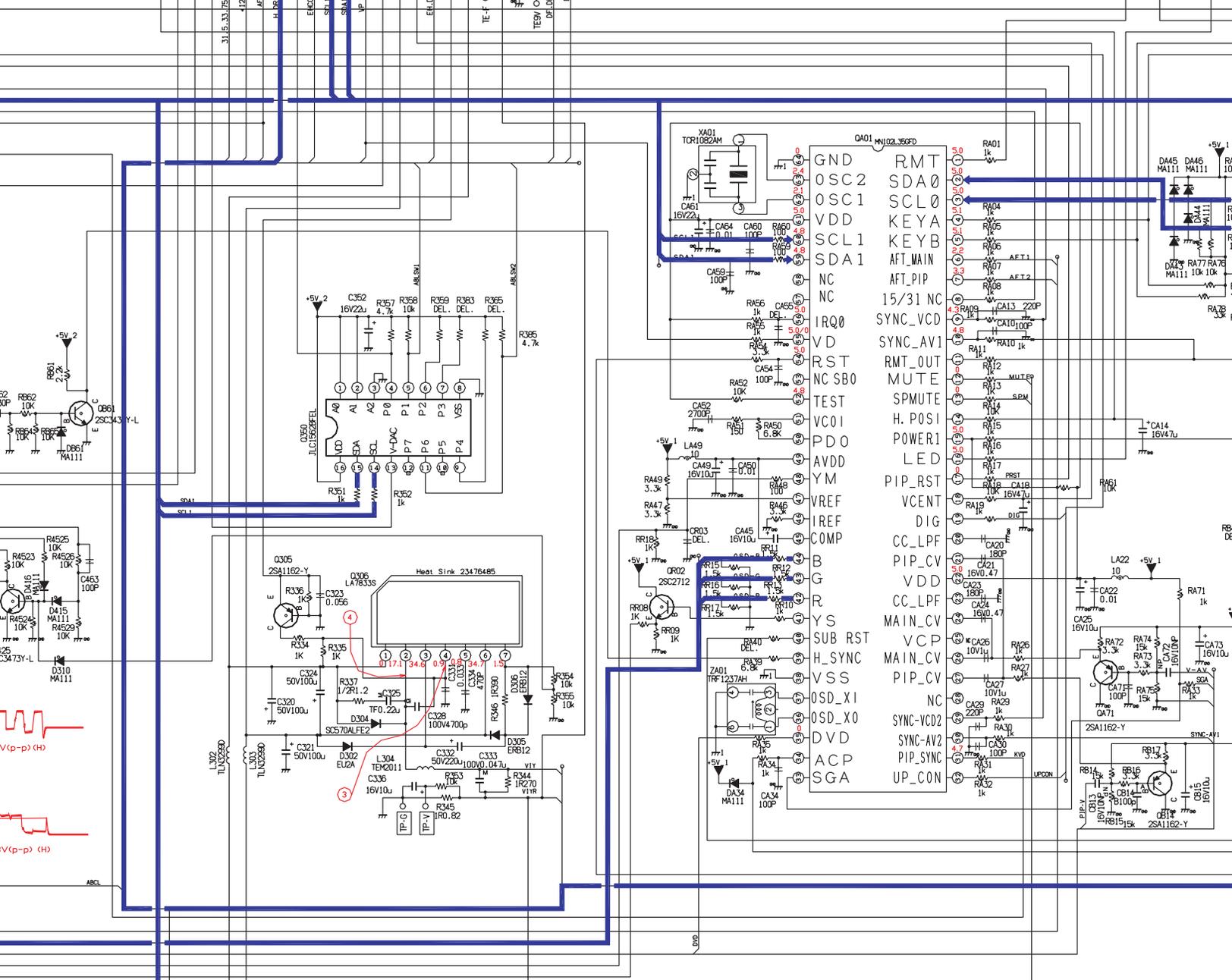
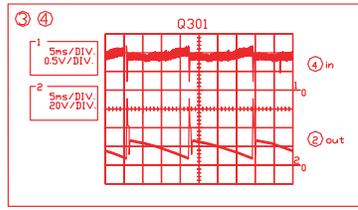


H Y P E R



D P C

- 1 H.POSI
- 2 HD
- 3 VD
- 4 V.DAC
- 5 31/33
- 6 +12V
- 7 AFC
- 8 H.DRIVE
- 9 F.H
- 10 EHOME
- 11 SCL1
- 12 SDA1
- 13 VP
- 14 FBP.IN
- 15 +15V
- 16 VCENT
- 17 EH.DET
- 18 VD
- 19 -15V
- 20 free run
- 21 GND
- 22 V1YR
- 23 +5V
- 24 DE.DRIVE
- 25 DFC



13

14

15

16

A

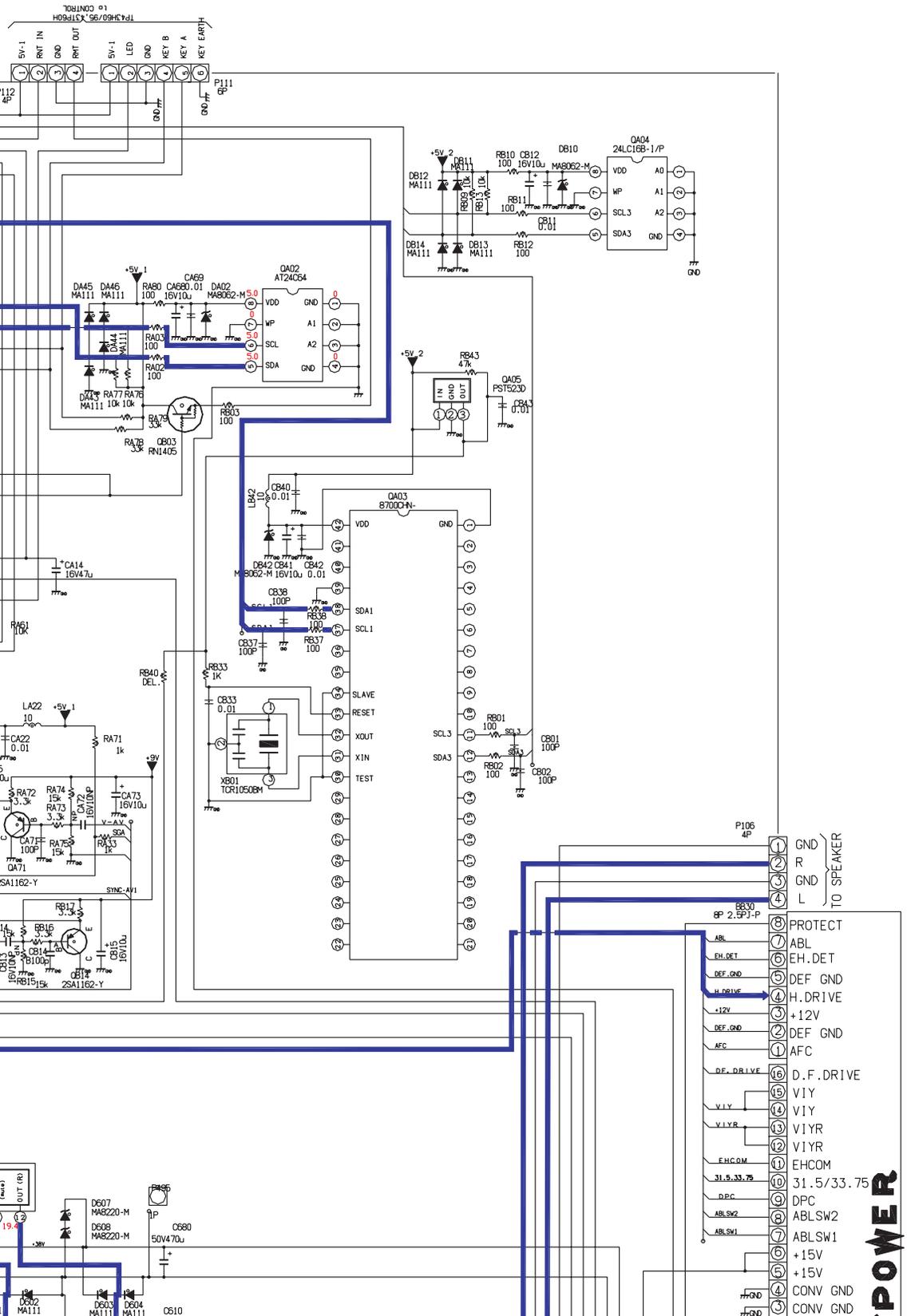
B

C

D

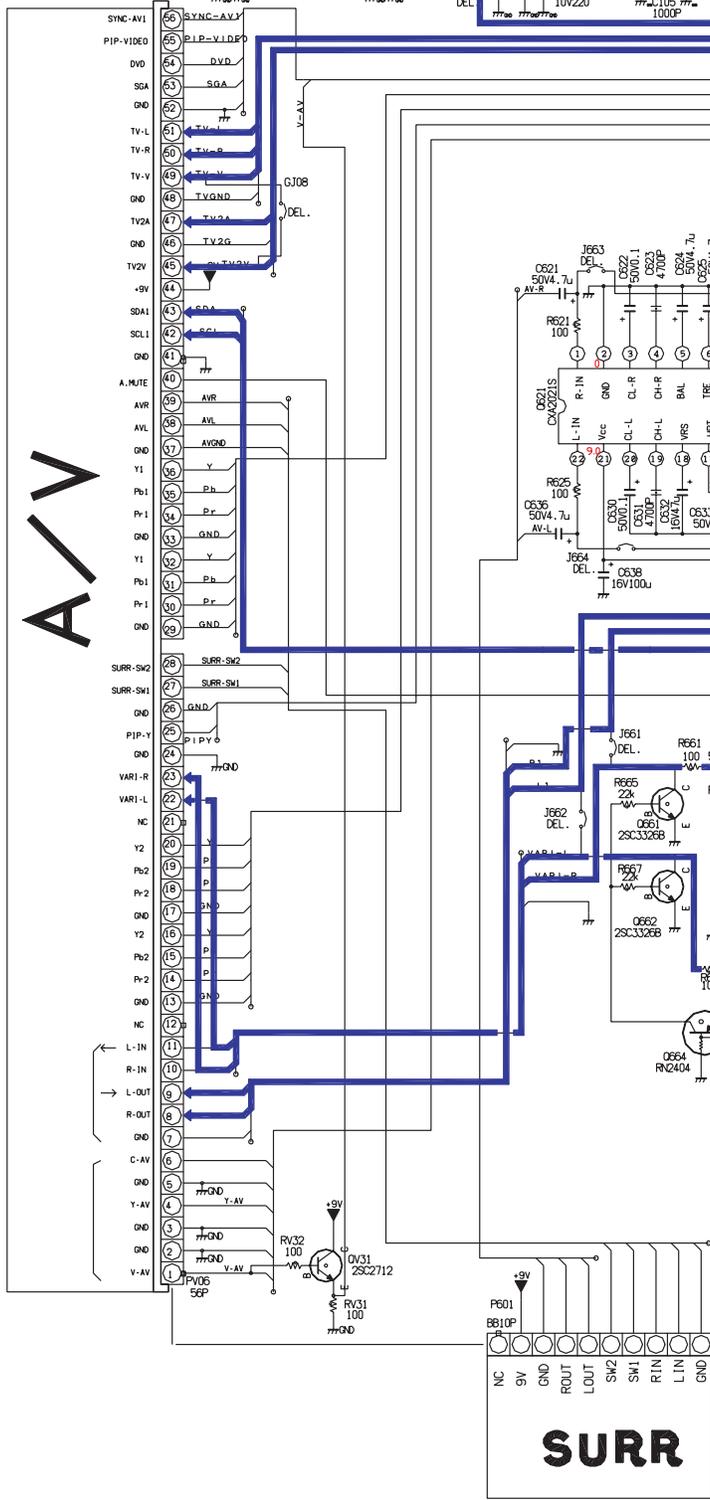
E

F



POWER

A/V



G

H

I

J

K

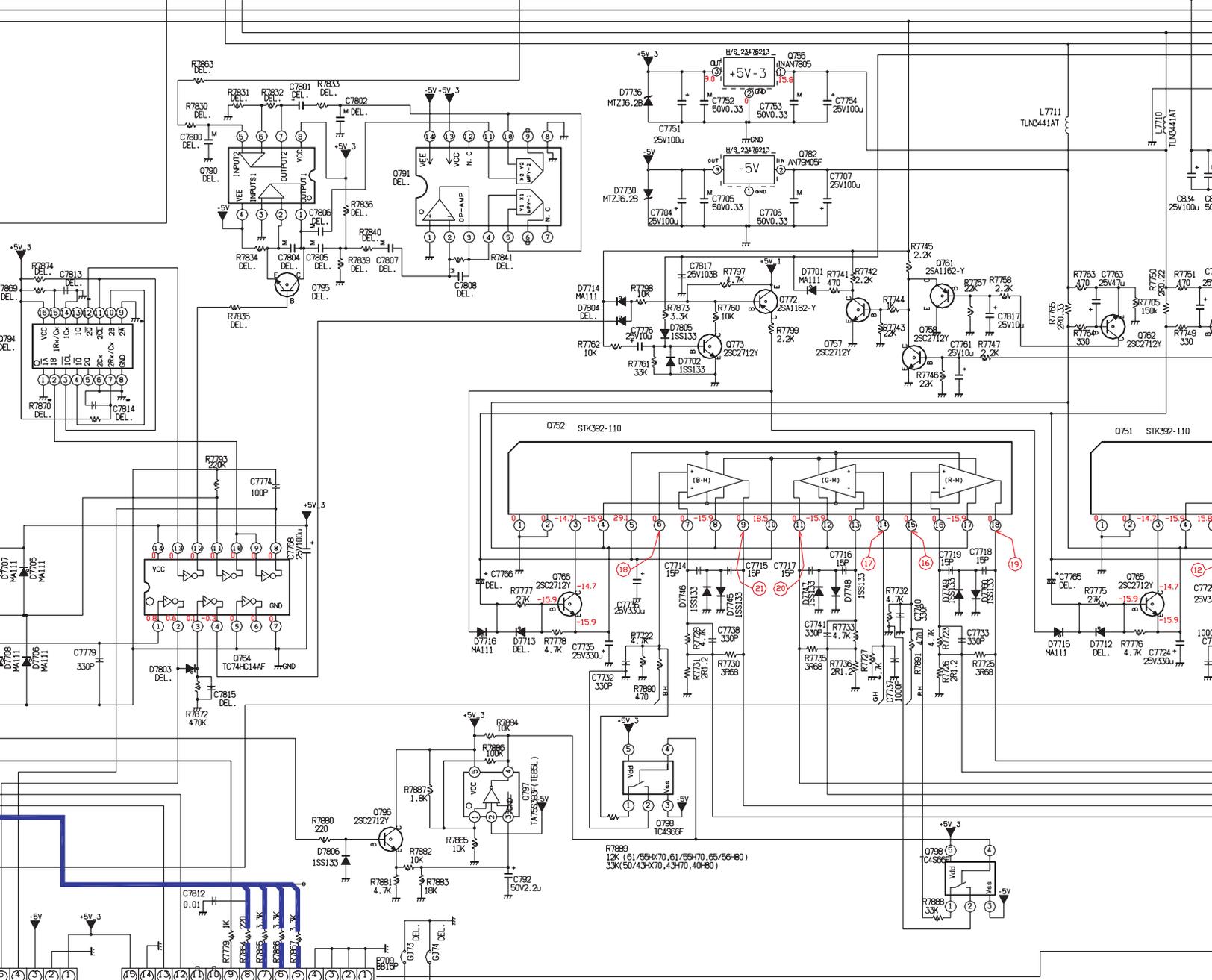
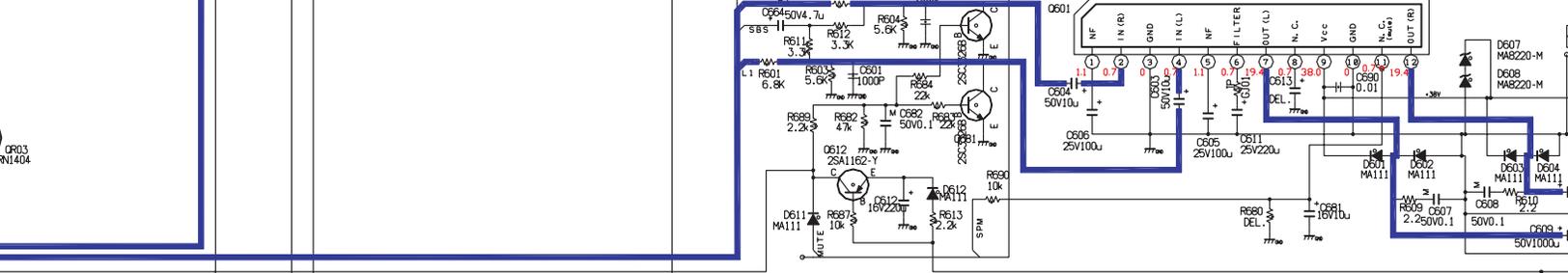
L

1

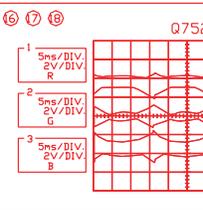
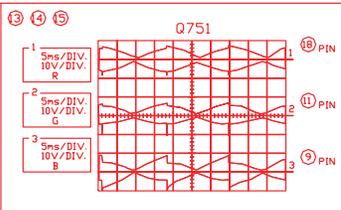
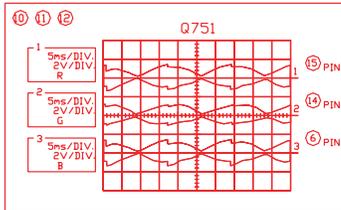
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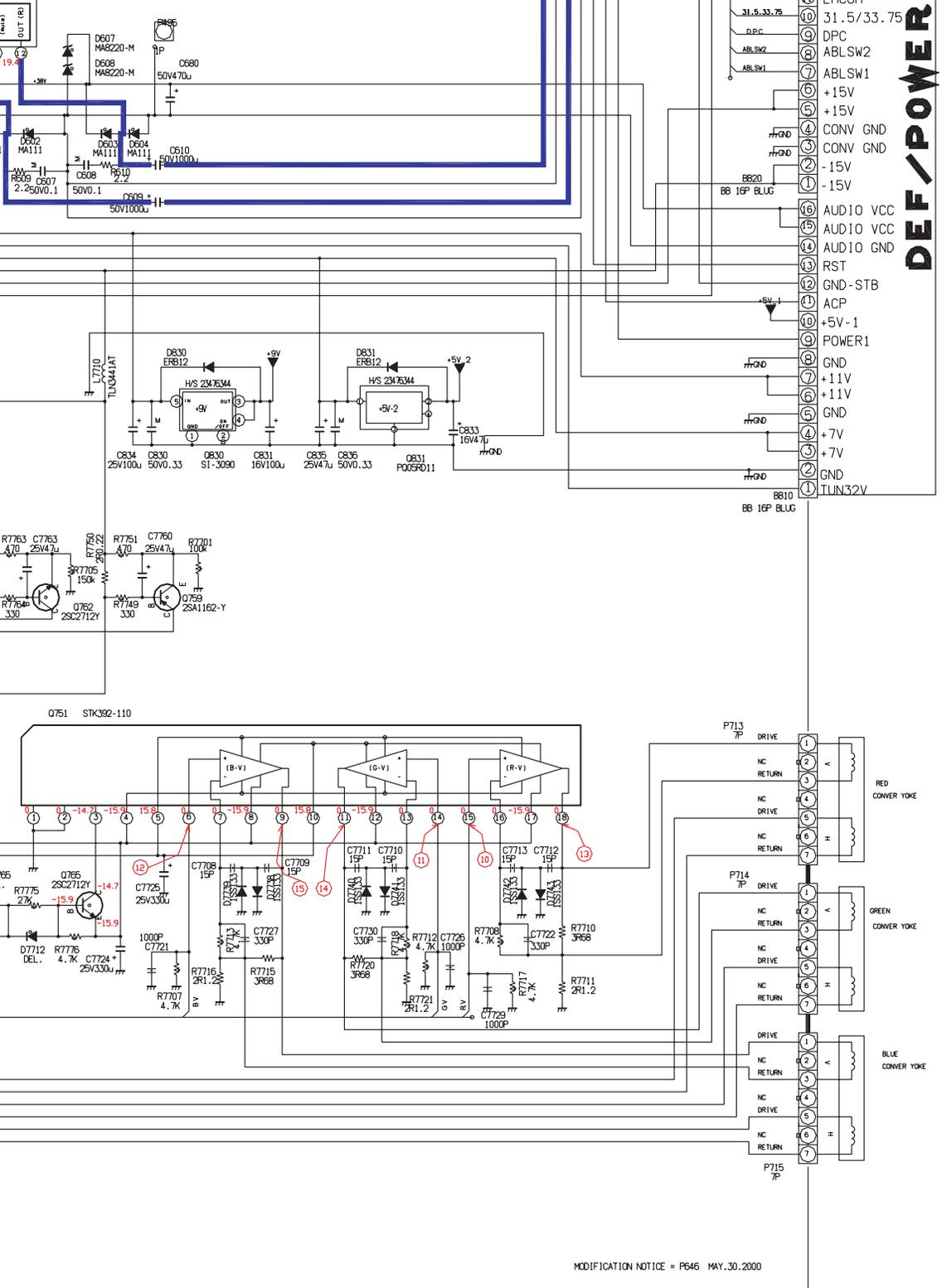
3

4



- CONV

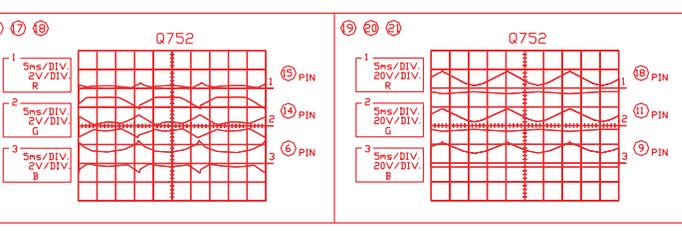




DEF/POWER

G
H
I
J
K
L

MODIFICATION NOTICE - P646 MAY.30.2000



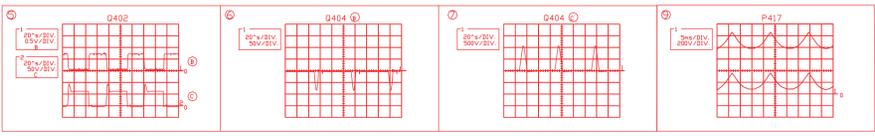
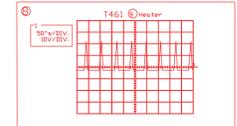
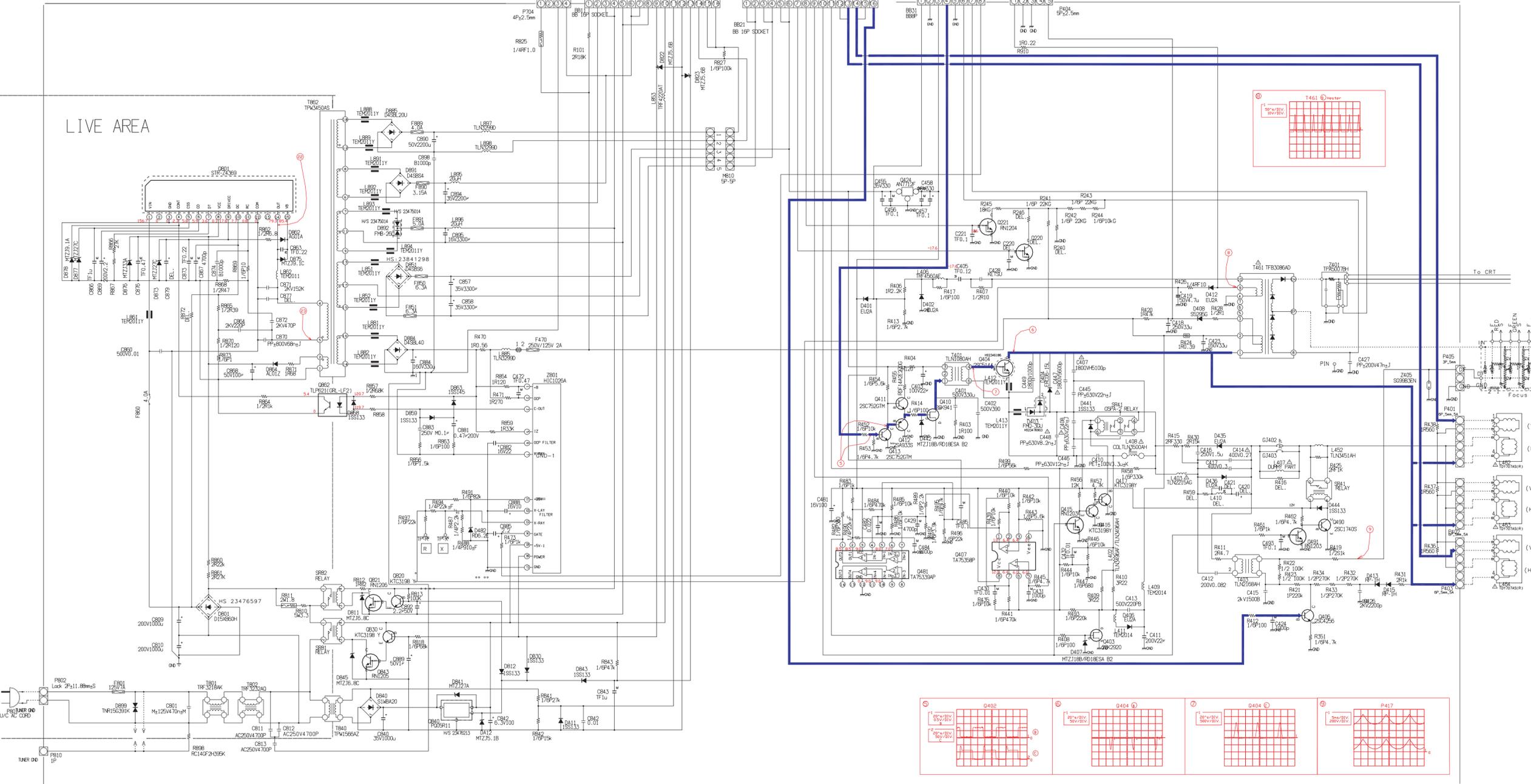
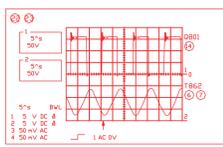
**SIGNAL/CONV
56H80/40H80**

13

14

15

16



NOTE 1. RESISTOR Resistance is shown in ohm (Ω), $k = 1,000$, $M = 1,000,000$. All resistors are 5% and 5% tolerance carbon resistor unless otherwise noted in the following marks.
 1/2R 1/2 Watt or 1/2W
 1/4R 1/4 Watt or 1/4W
 K = 20k, G = 25k, F = 1k

2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values more than 1 in μF . All capacitors are ceramic 50V, unless otherwise noted in the following marks.
 4E Electrolytic capacitor
 4P High capacitor

3. The parts indicated with * have special characteristics should be replaced with identical parts only.

4. This schematic diagram is the latest line of copying, so it must be changed in accordance with all infrared modification notes.

DEF/POW
56H80/40H80

1

2

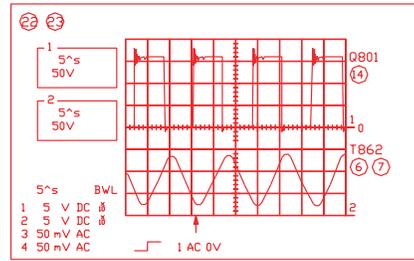
3

A

B

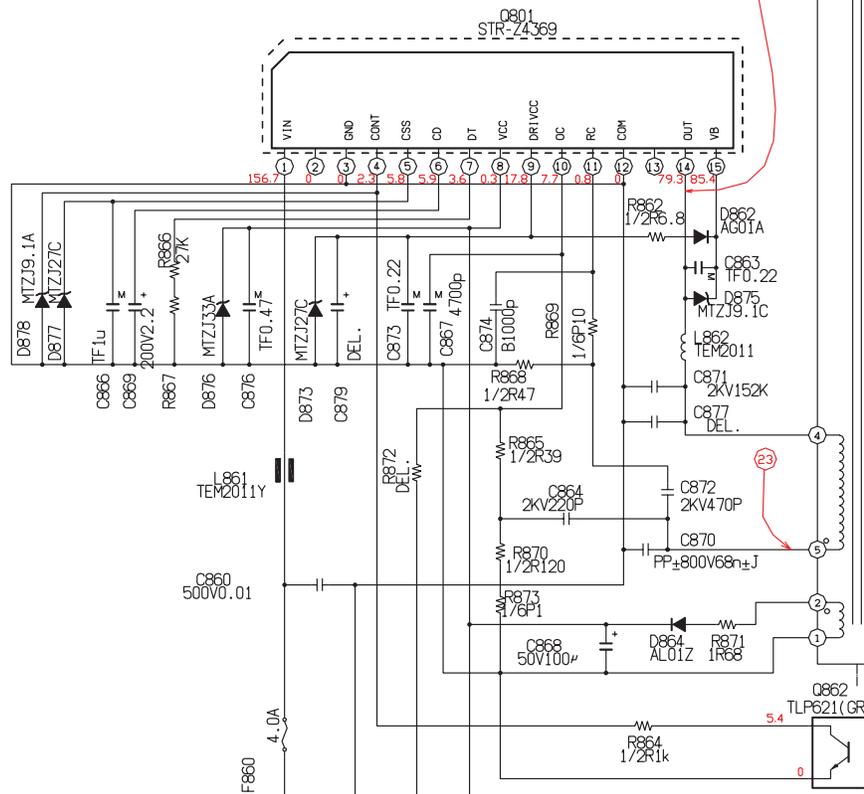
C

D



LIVE AREA

T862
TPW3450AS

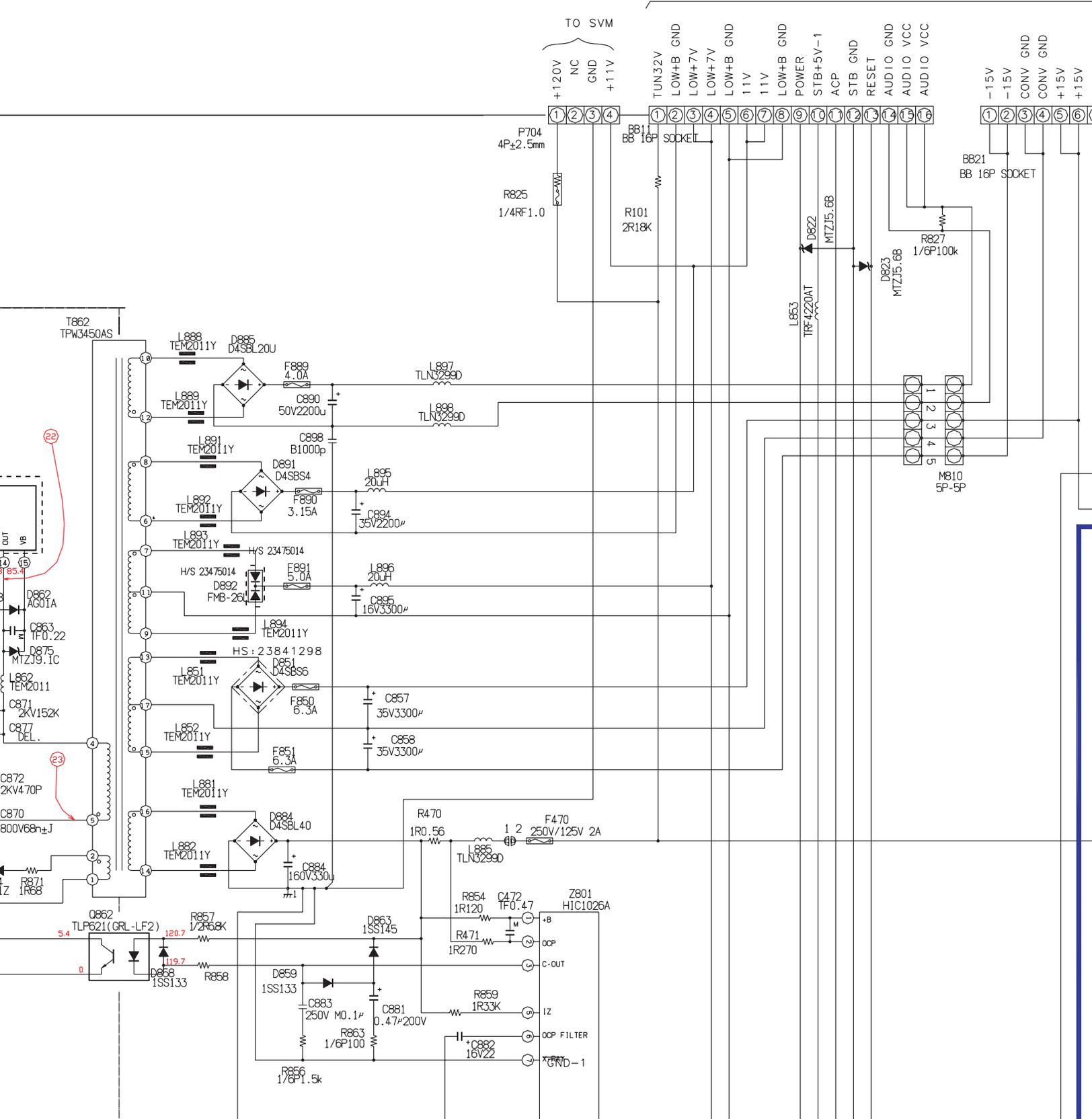


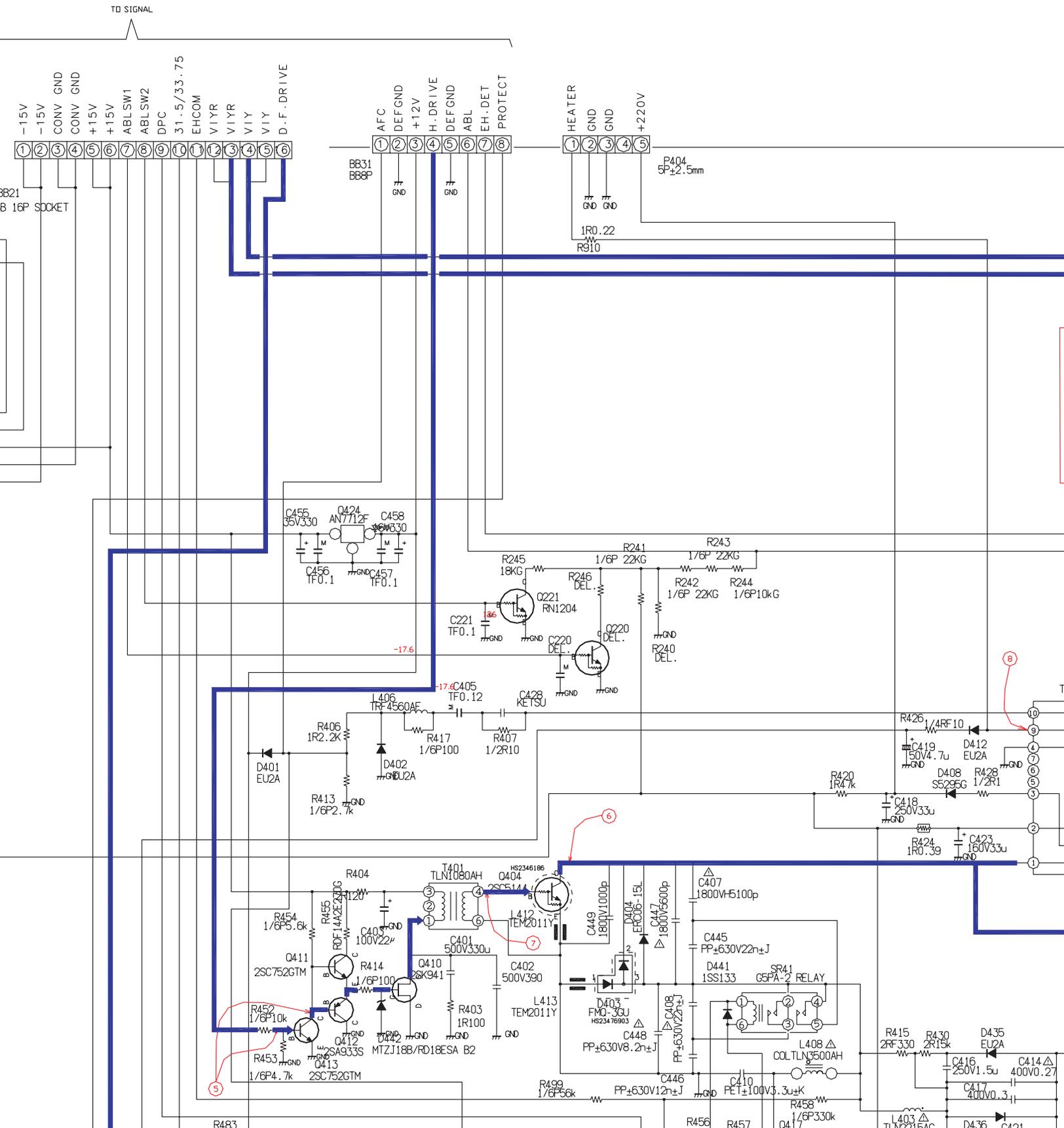
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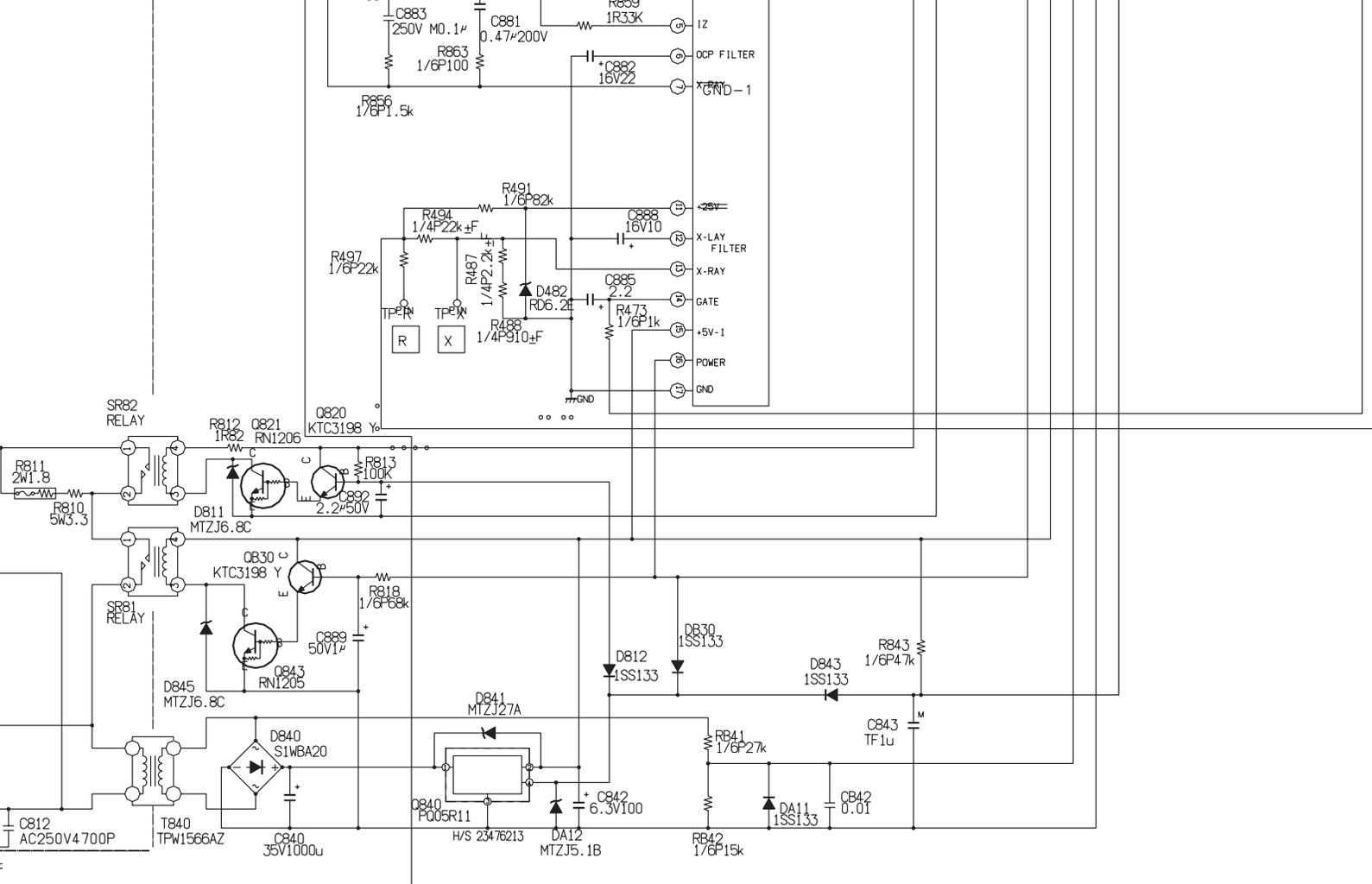
4

5

6







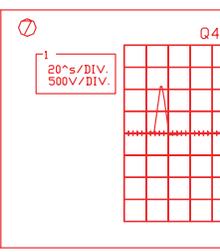
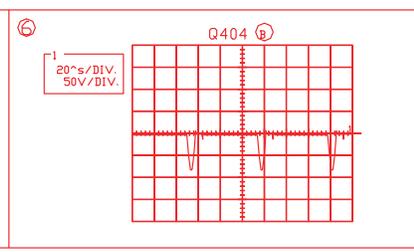
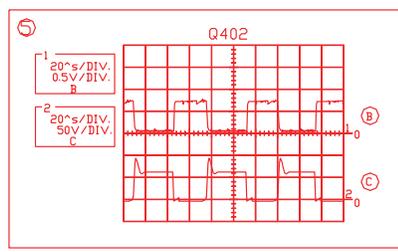
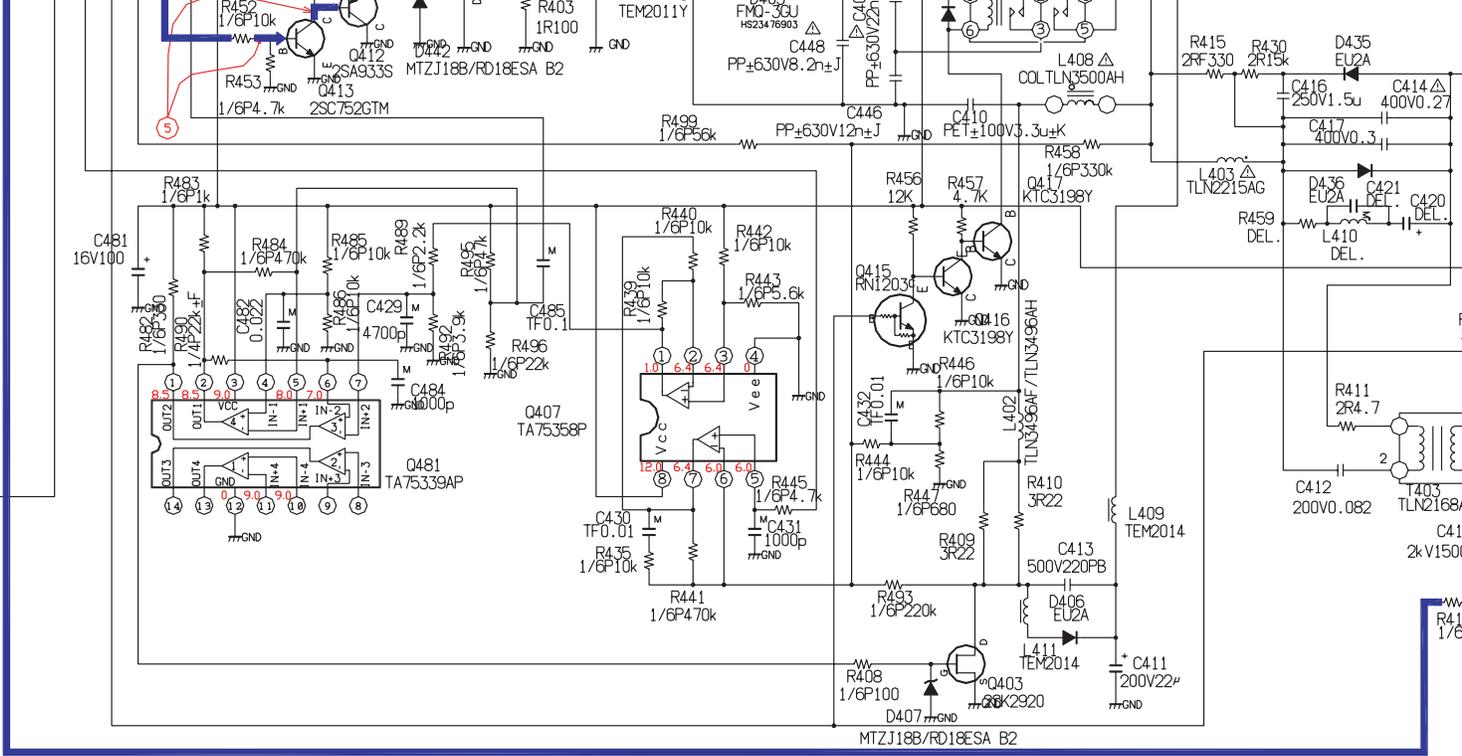
2. CAPACITOR Unless otherwise noted in schematic, all capacitor value less than 1 are expressed in μ F, and the values more than 1 in μ F.

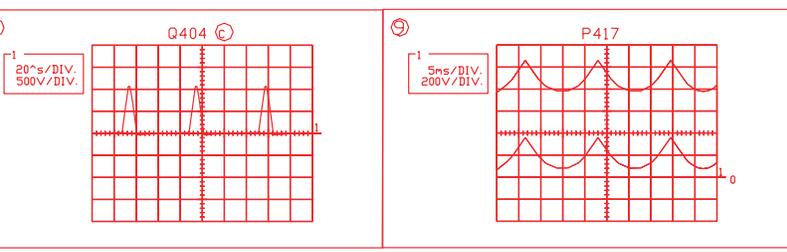
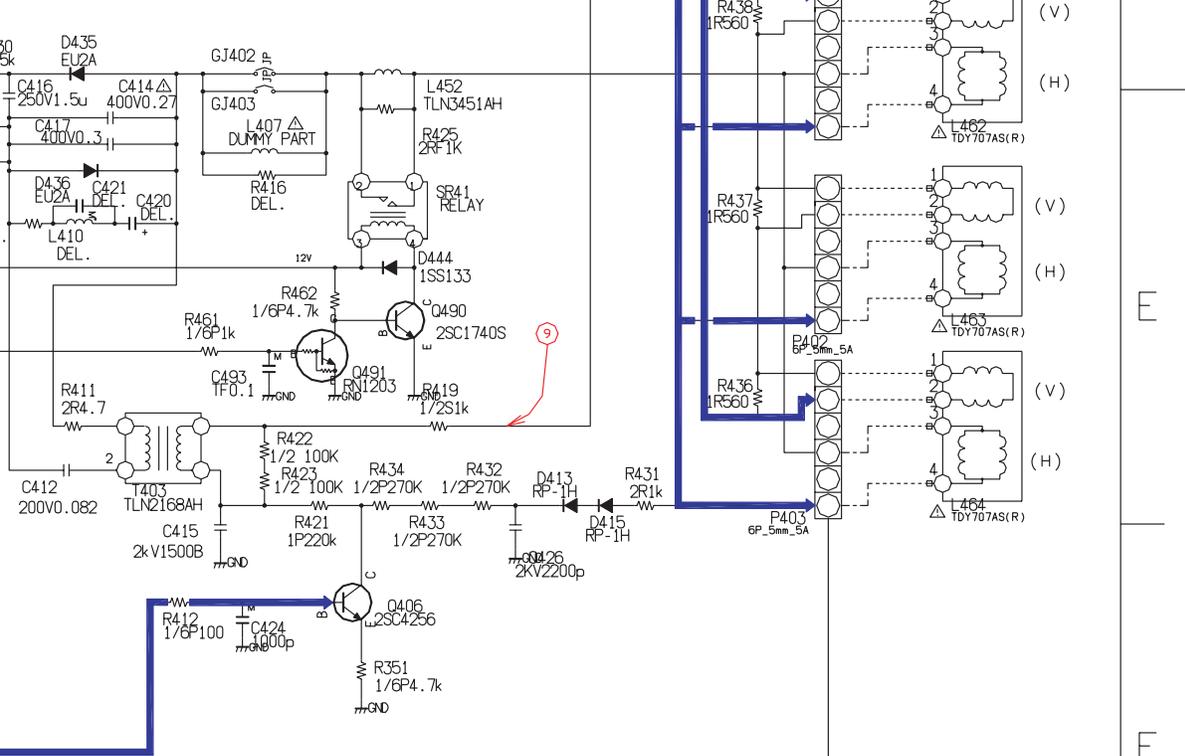
All capacitors are ceramic 50V, unless otherwise noted as the following marks.

⊕ Electrolytic capacitor ⊕ Mylar capacitor

3. The parts indicated with * have special characteristics should be replaced with identical parts only.

4. This schematic diagram is the latest the time of copying, so it must be changed in accordance with all informed modification notices.





DEF/POW
56H80/40H80

10

11

12

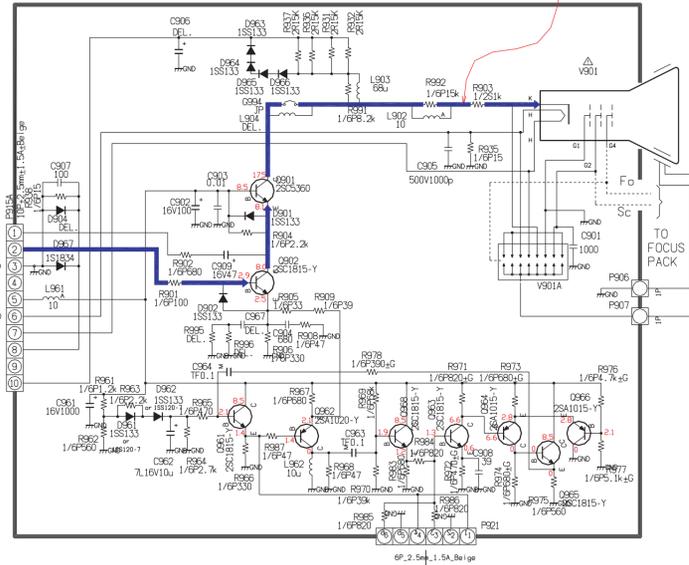
E

F

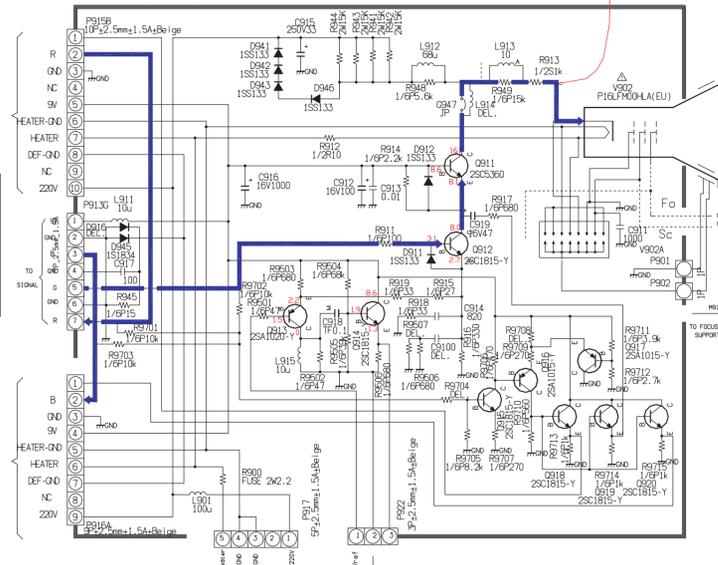
G

H

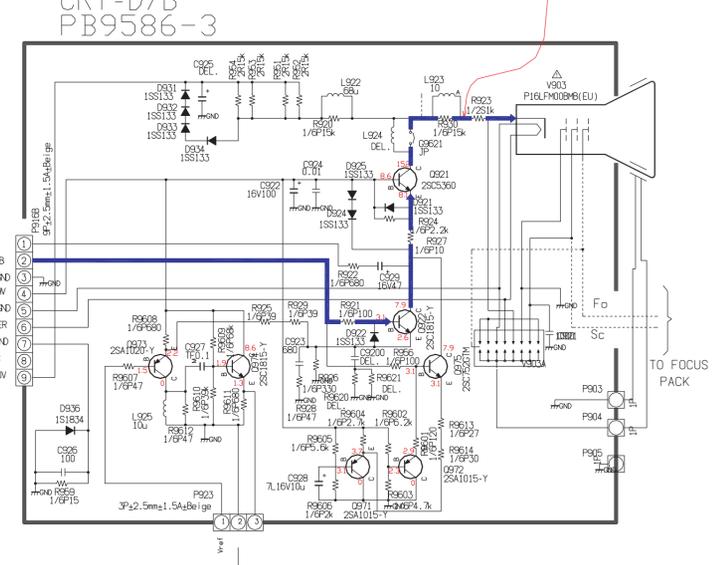
CRT-D/R
PB9586-1



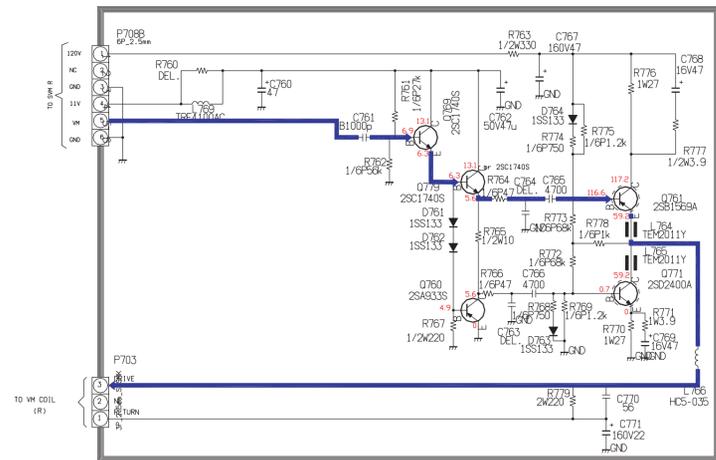
CRT-D/G
PB9586-2



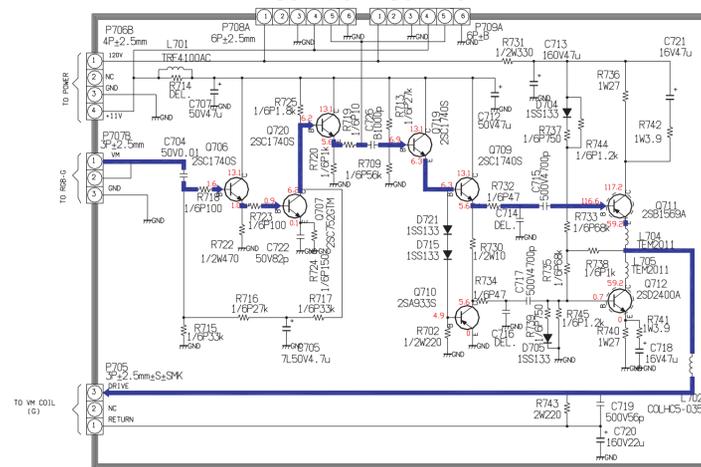
CRT-D/B
PB9586-3



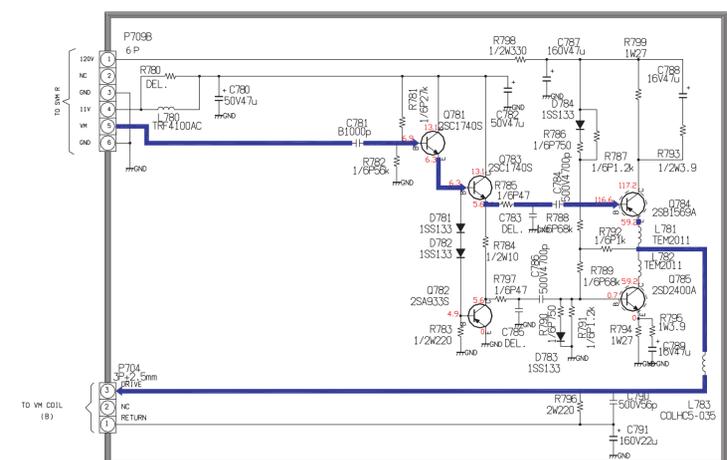
SVM/R
PB9586-4



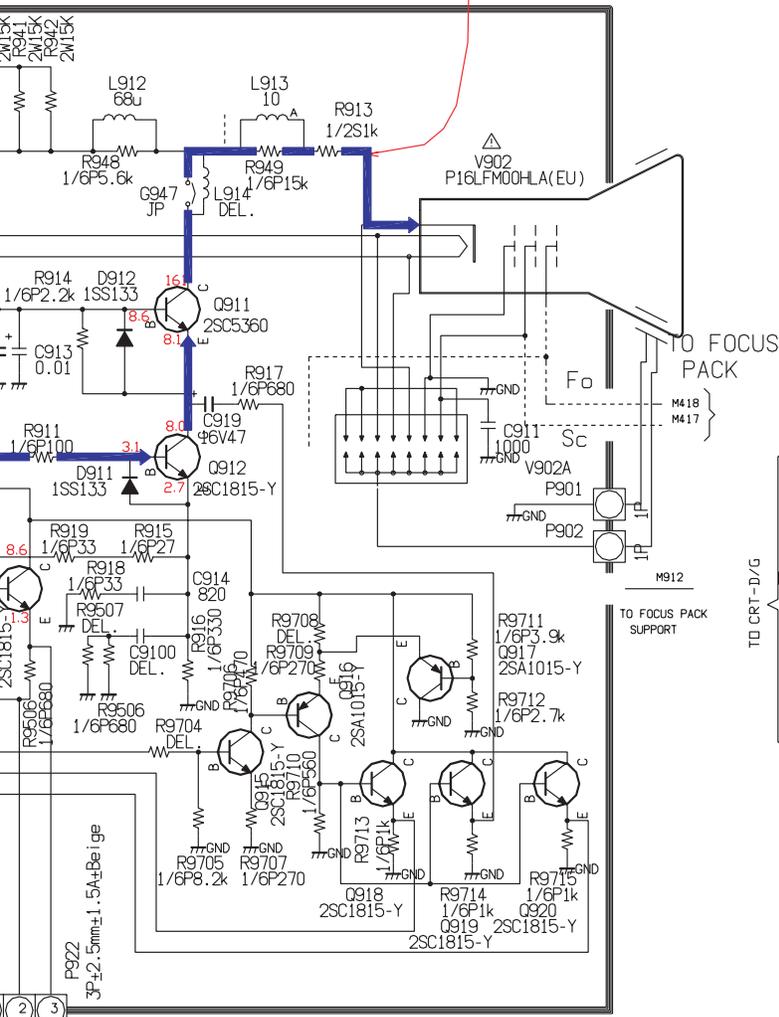
SVM/G
PB9586-5



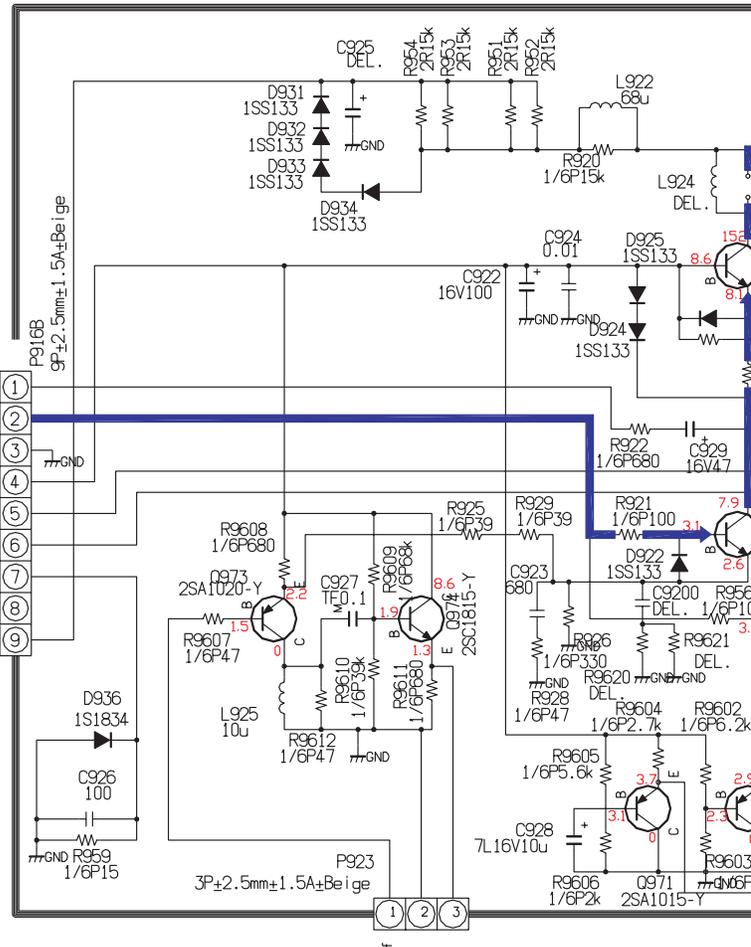
SVM/B
PB9586-6



CRT/SVM
56H80/40H80



CRT-D/B PB9586-3



10

11

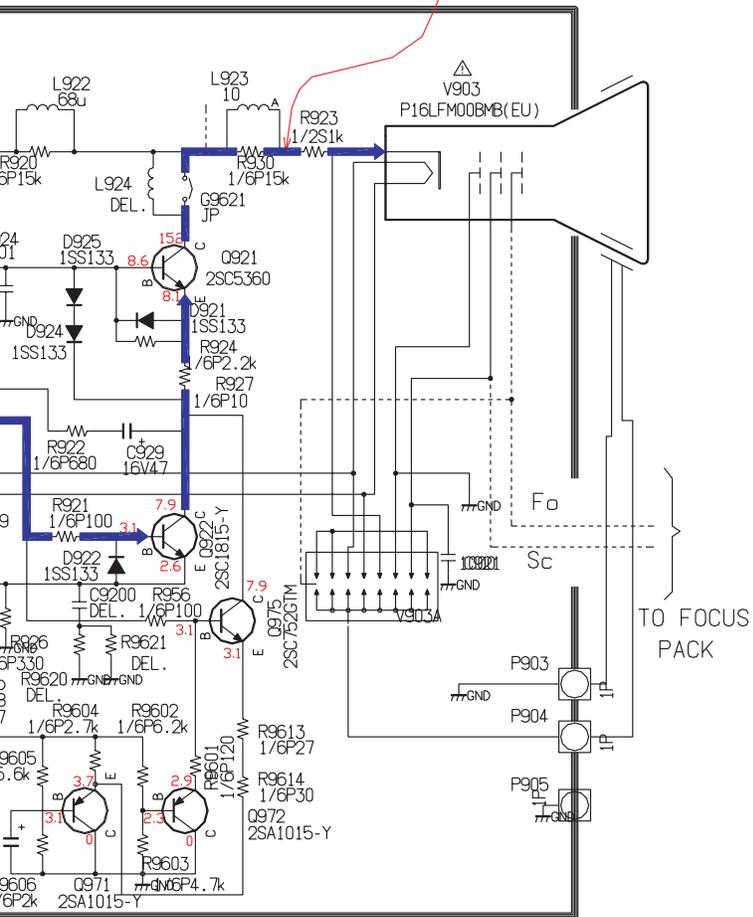
12

A

B

C

D



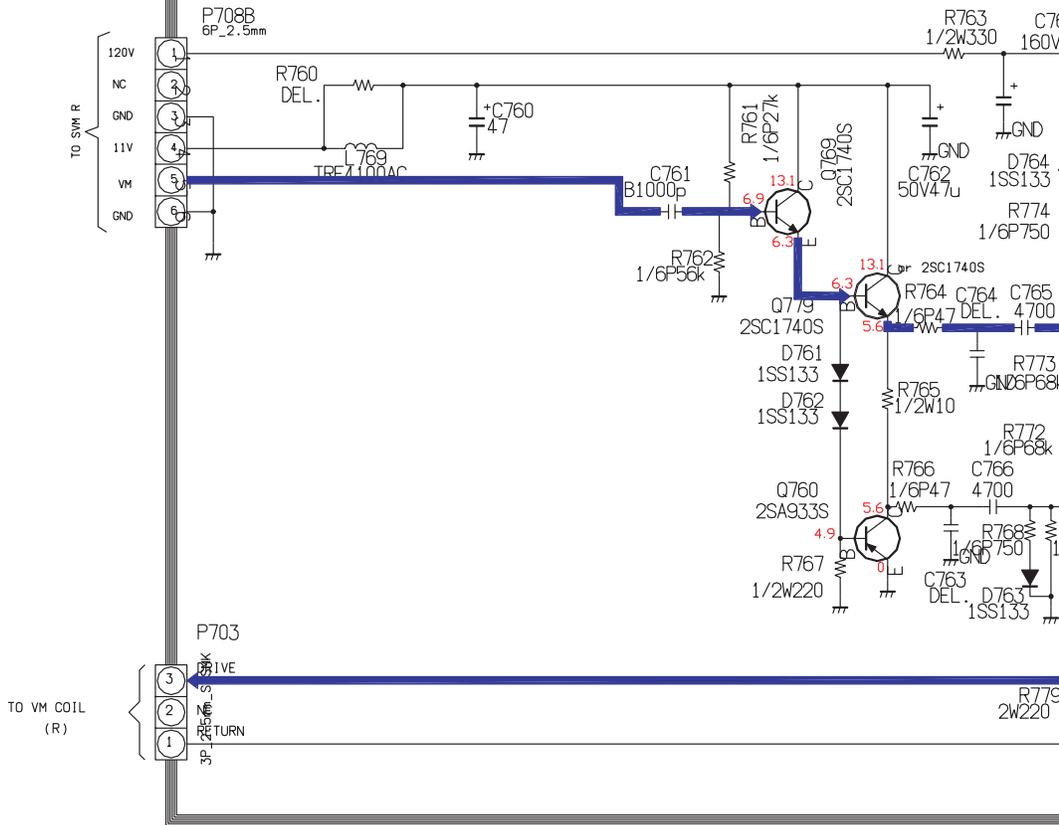
E

SVM/R PB9586-4

F

G

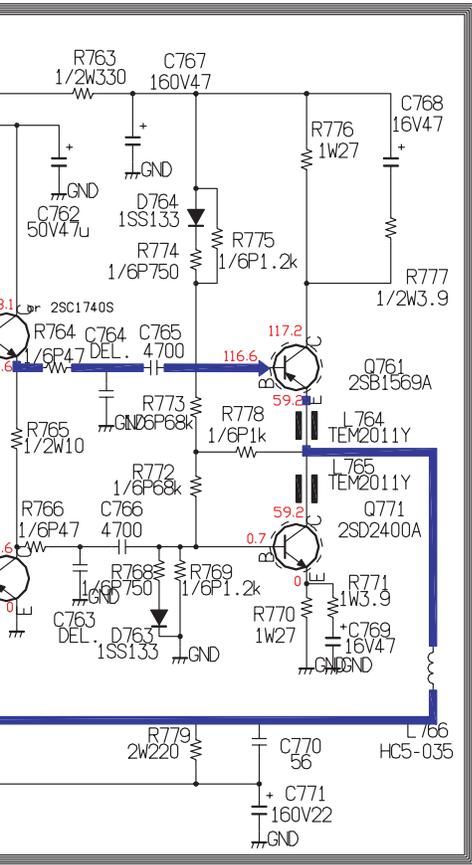
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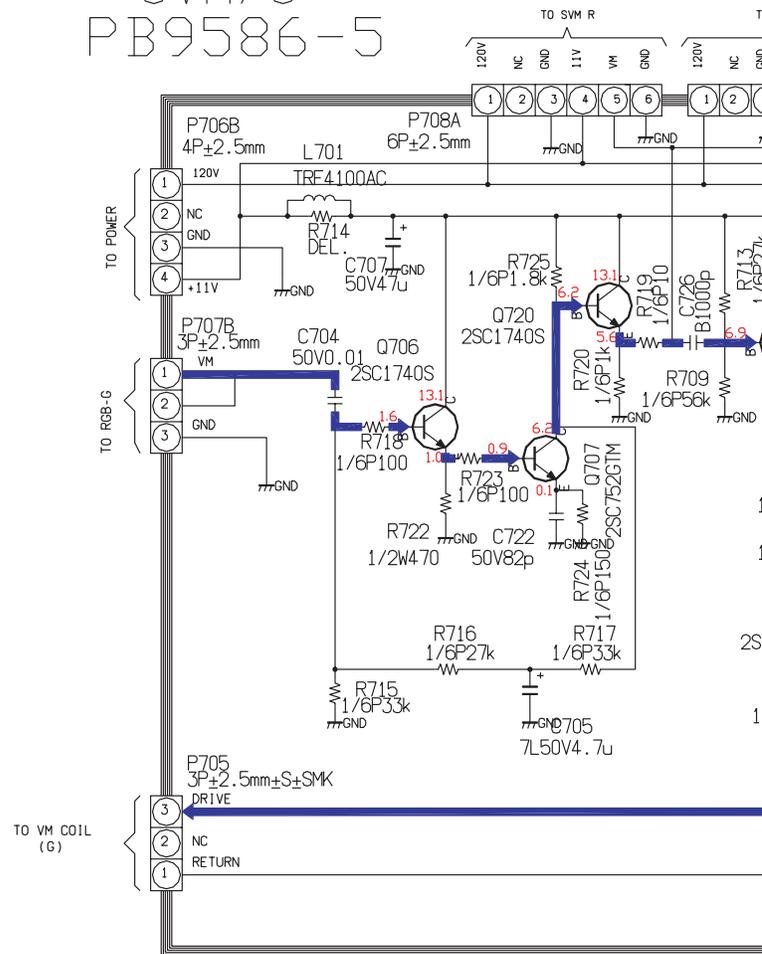
1

2

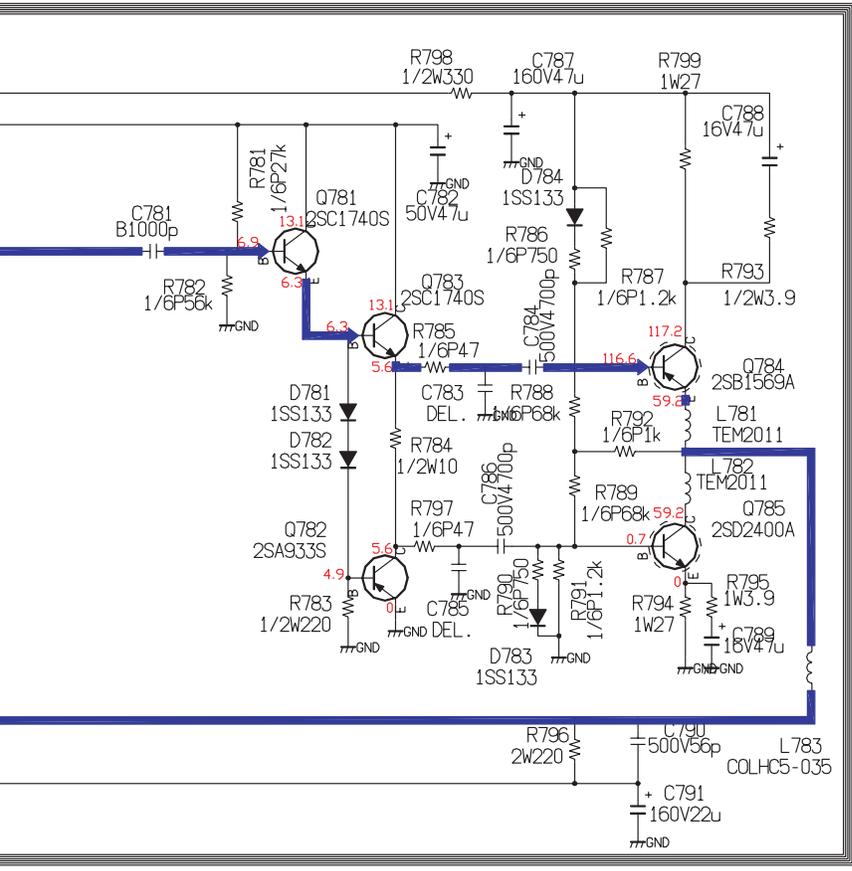
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SVM/G PB9586-5



S



CRT/SVM
56H80/40H80

E

F

G

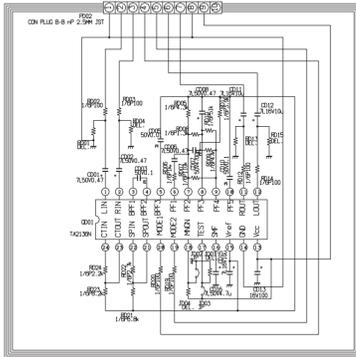
H

10

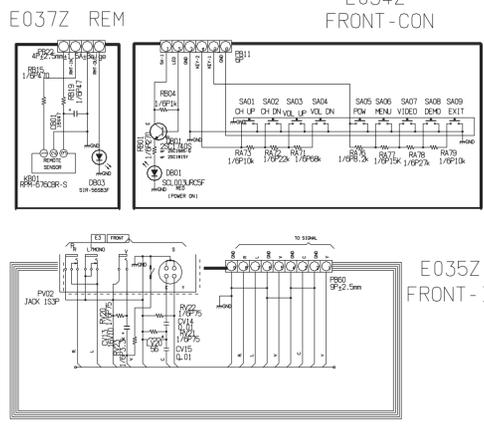
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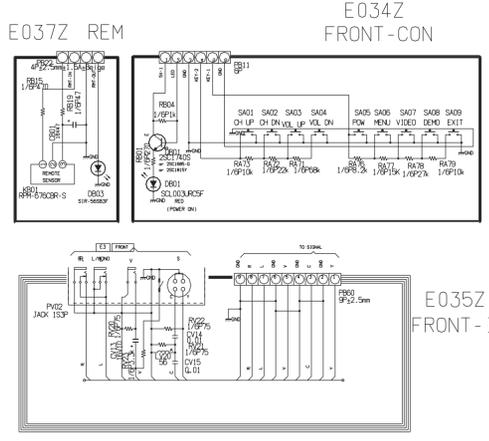
PB9587 SRS



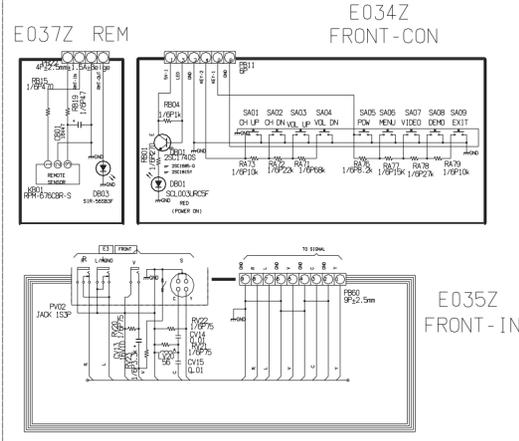
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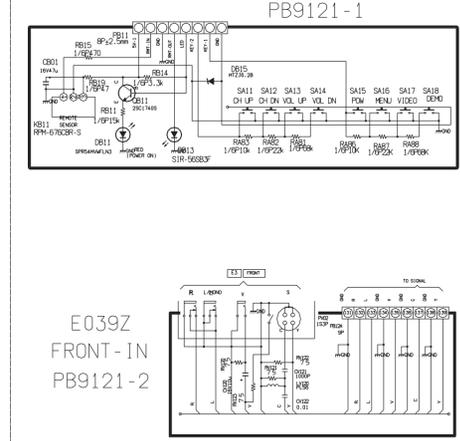
PB9651 43HX70/43H70



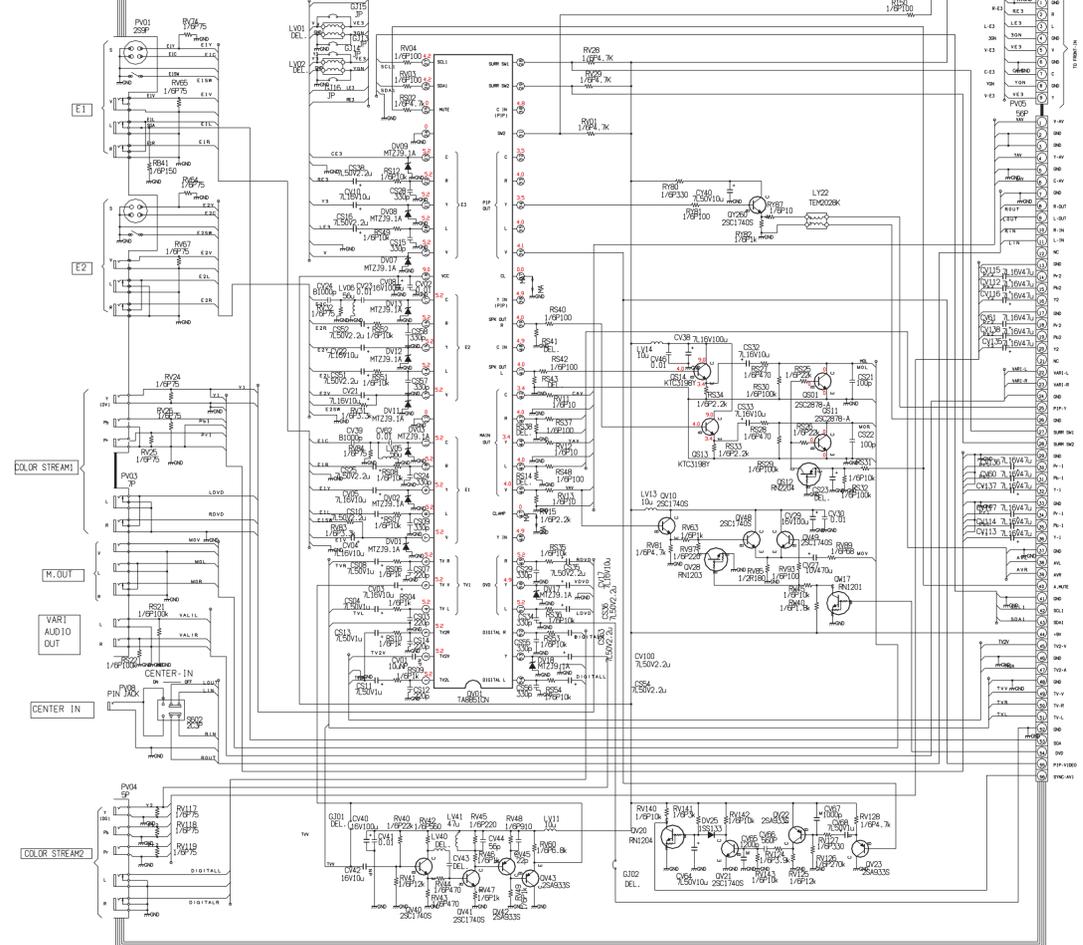
PB9652 40H80



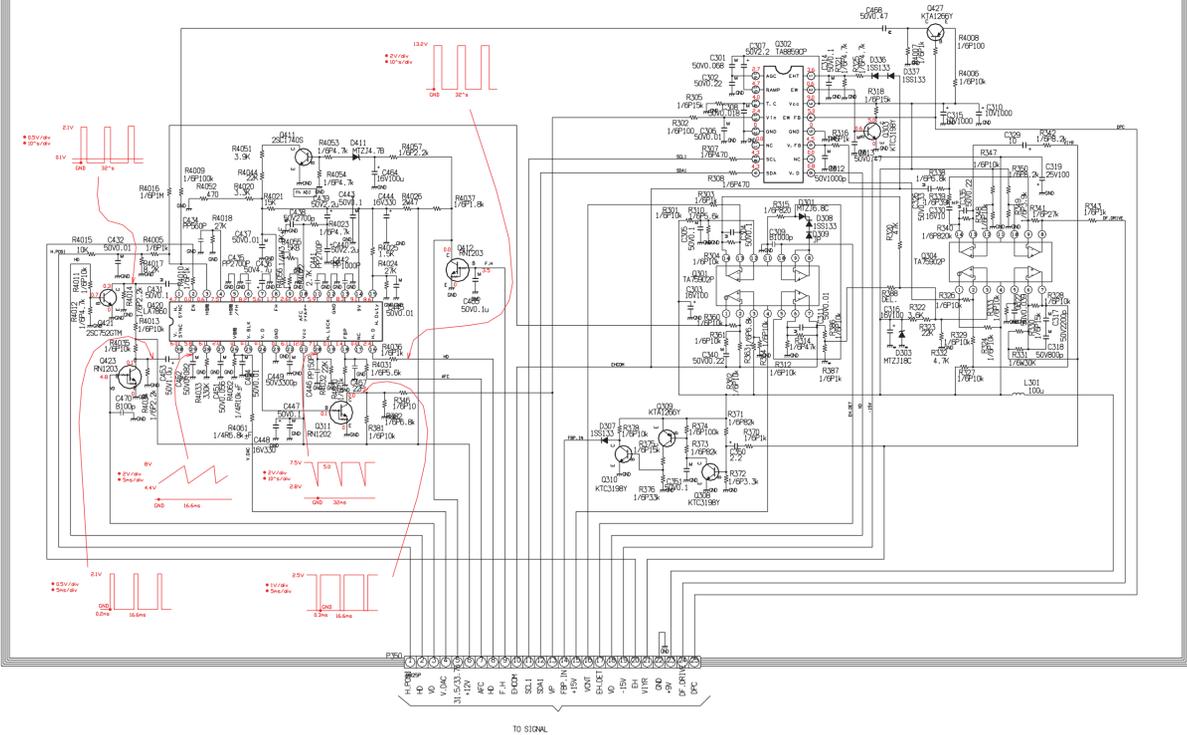
PB9121 65H80/56H80



A/V PB9583



DPC PB9602



A/V SRS FRONT DPC
56H80/40H80

1

2

3

4

A

B

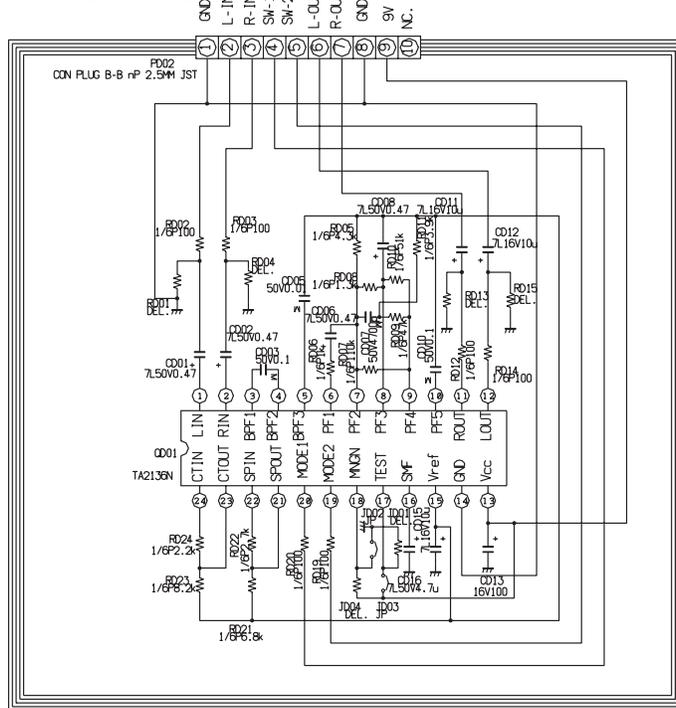
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D

E

F

PB9587 SRS

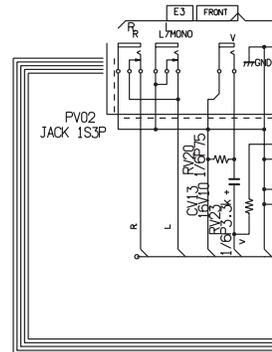
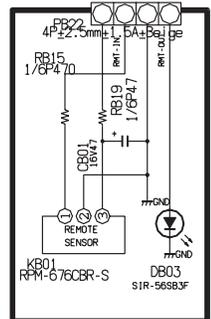


PB96

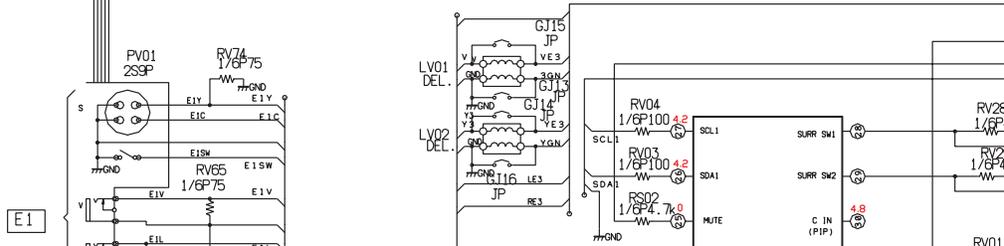
61/5

61/5

E037Z REM



A/V PB9583

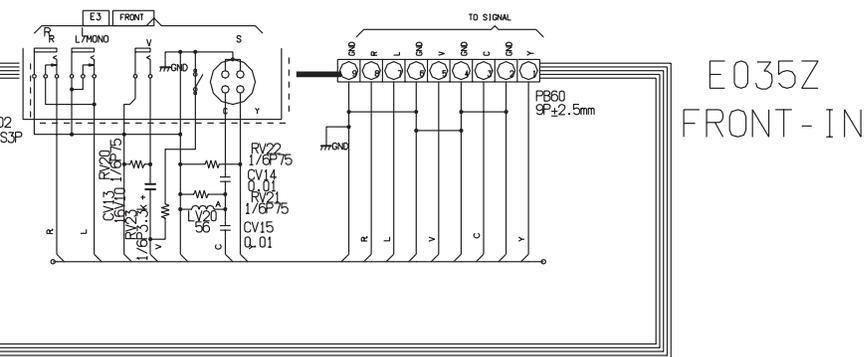
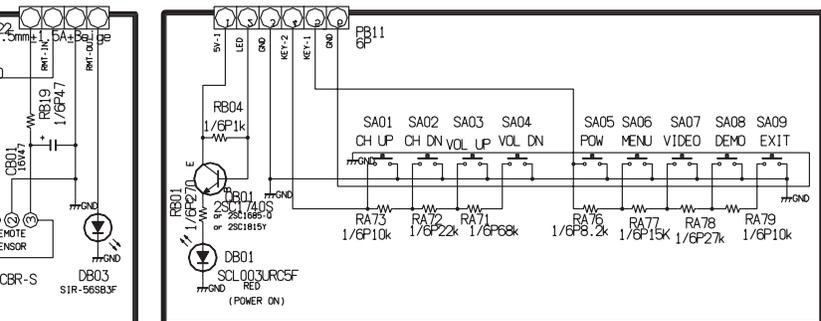


PB9615

61/55/50HX70
61/55H70

E034Z
FRONT-CON

7Z REM

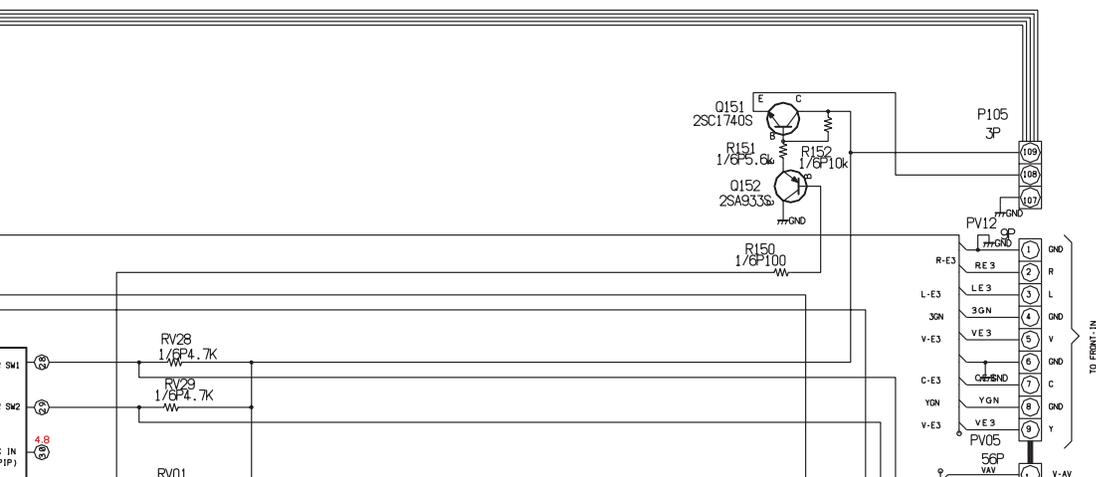
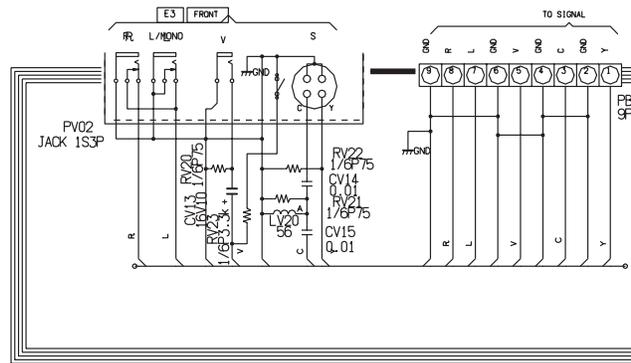
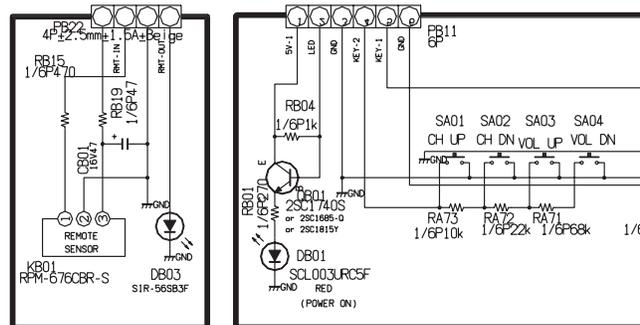


PB9651

43HX70/43H70

E037Z REM

FR



DPC PB9602

13

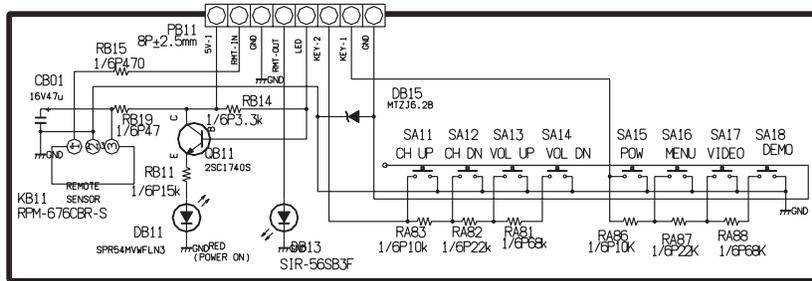
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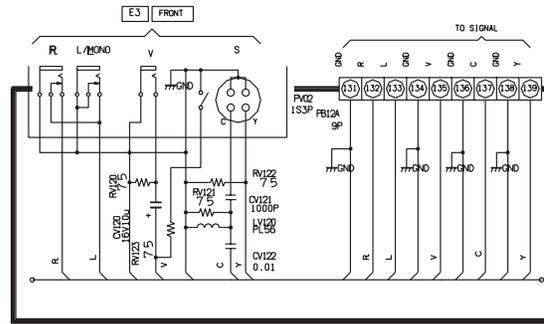
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PB9121
65H80/56H80

FRONT-CON
PB9121-1



E039Z
FRONT-IN
PB9121-2



A

B

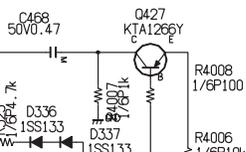
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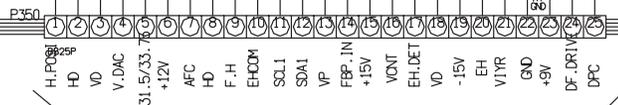
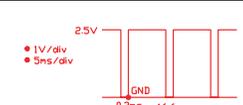
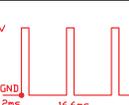
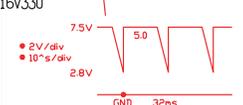
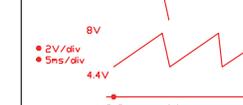
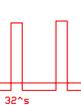
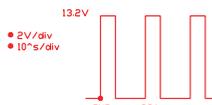
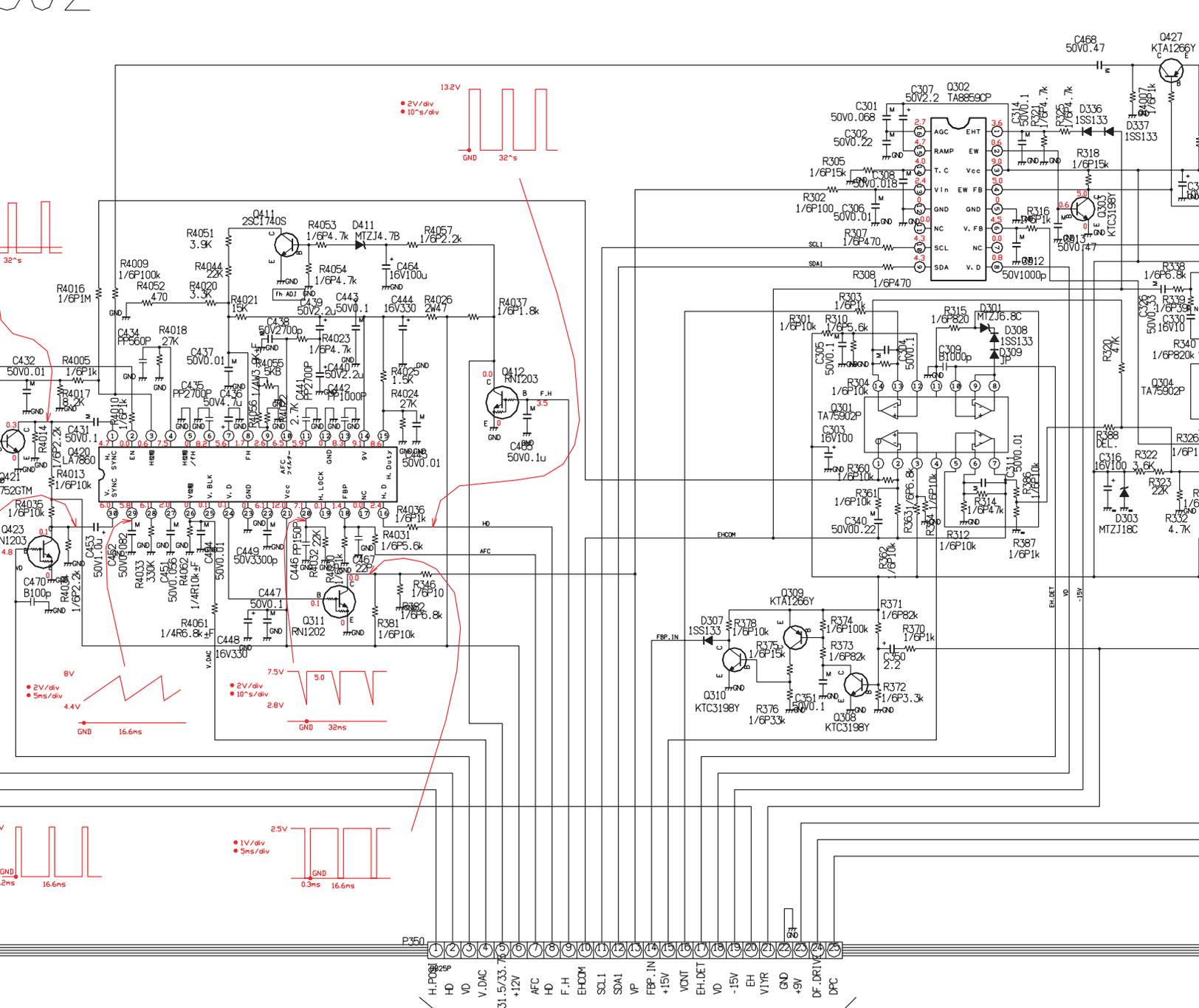
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E

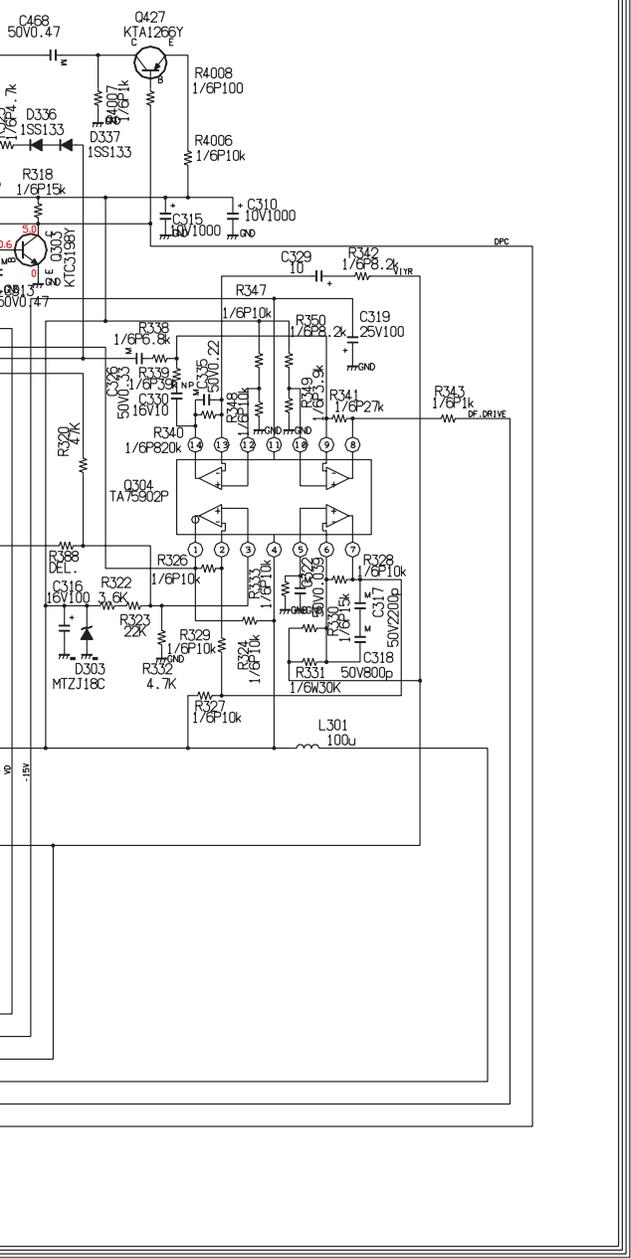
F

5Z
IT-IN





TO SIGNAL



G

H

I

J

K

L

AV SRS FRONT DPC 56H80/40H80

13

14

15

16

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

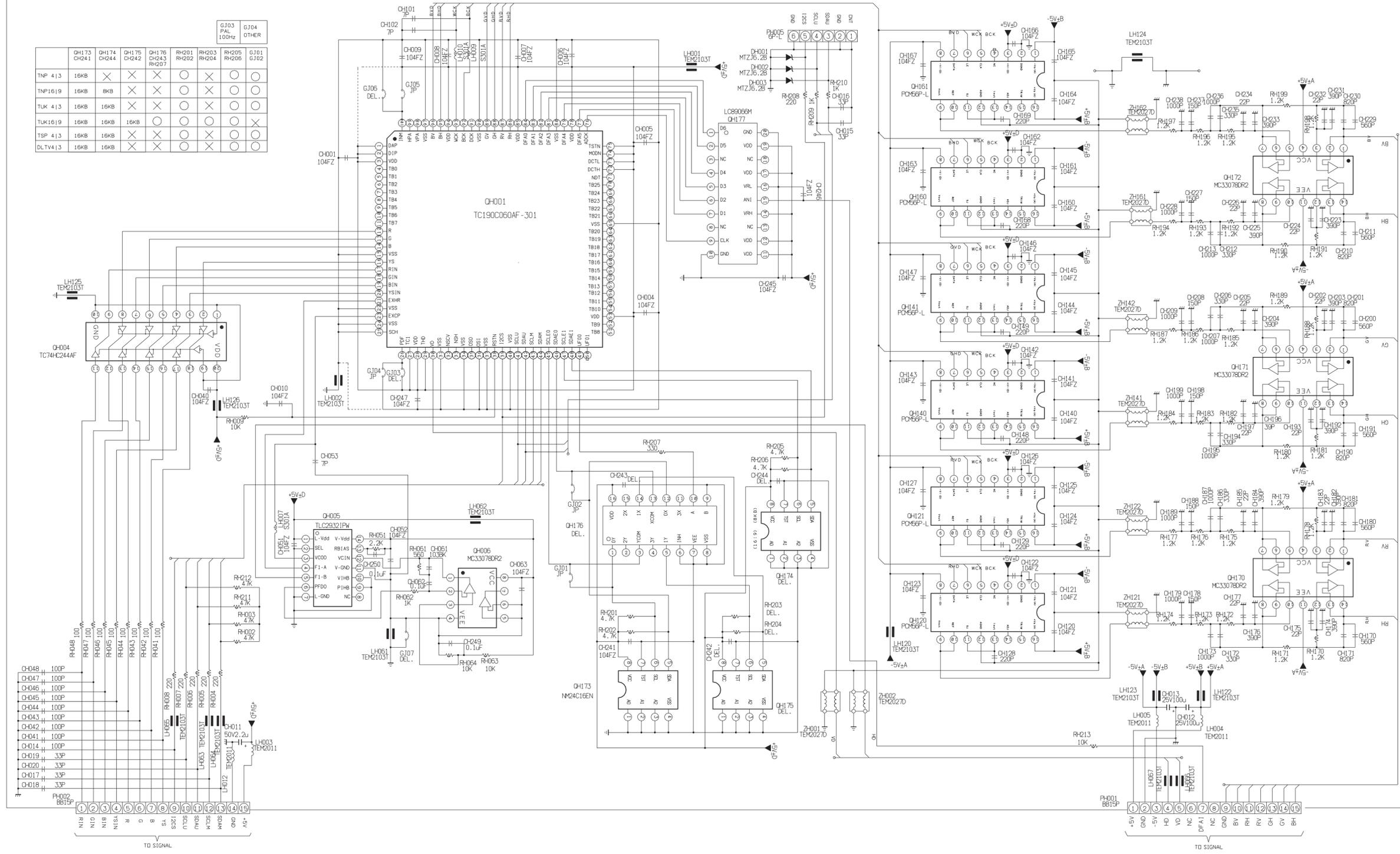
C

D

E

F

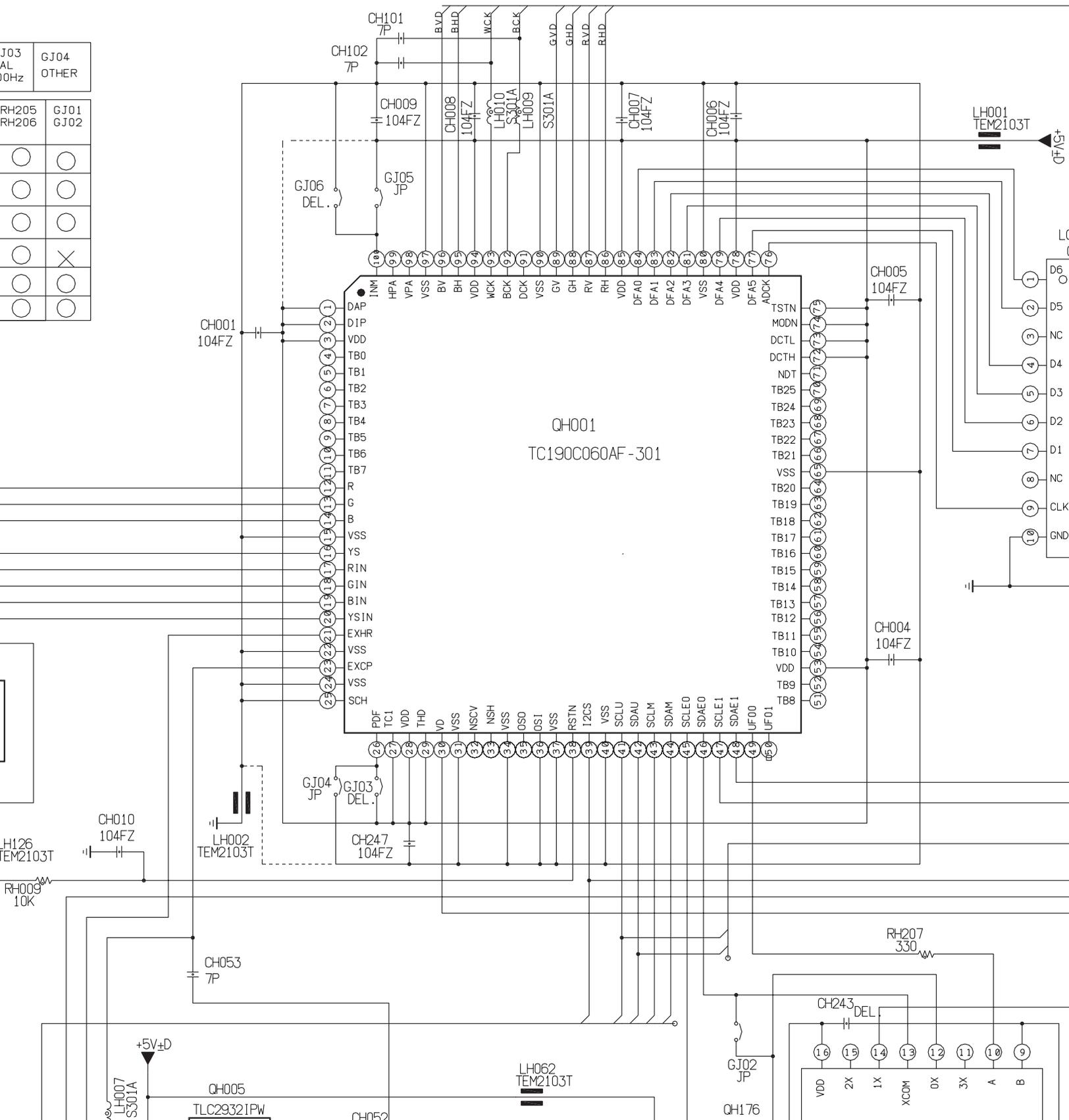
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TNP 4 3	16KB	X	X	X	O	X	O	O
TNP16 9	16KB	8KB	X	X	O	X	O	O
TUK 4 3	16KB	16KB	X	X	O	O	O	O
TUK16 9	16KB	16KB	16KB	X	O	O	O	X
TSP 4 3	16KB	16KB	X	X	O	X	O	O
DLTV4 3	16KB	16KB	X	X	O	X	O	O



DIGITAL CONVER
56H80/40H80

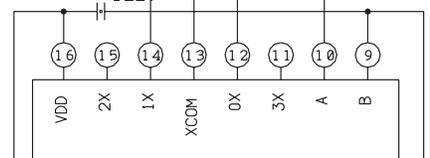
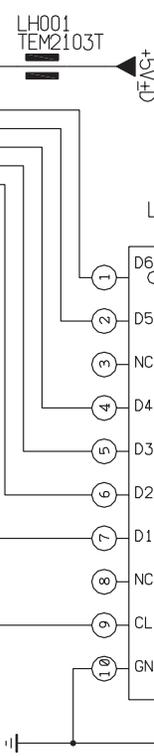
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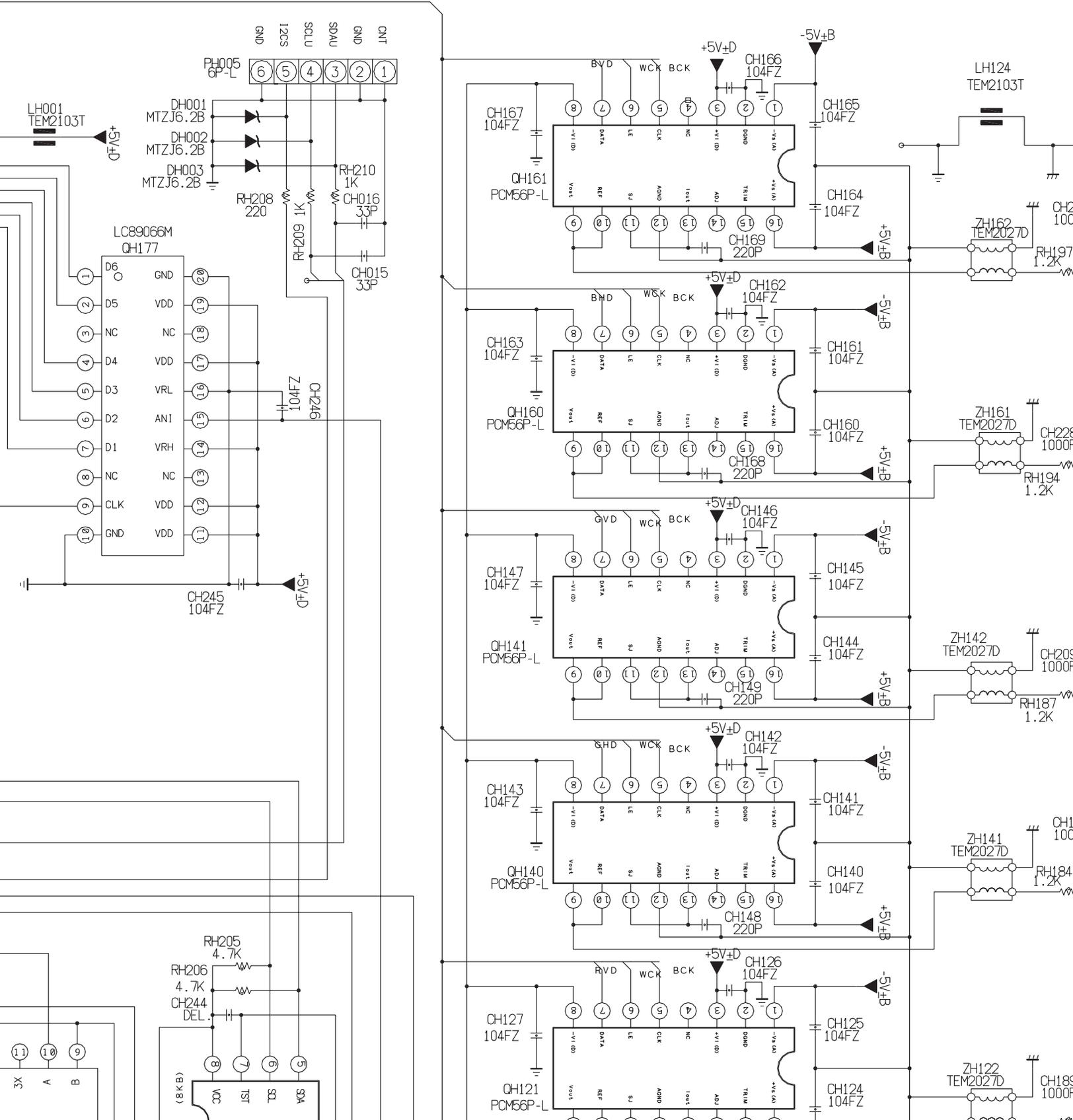
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RH205 RH206	GJ01 GJ02
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H126
TEM2103T

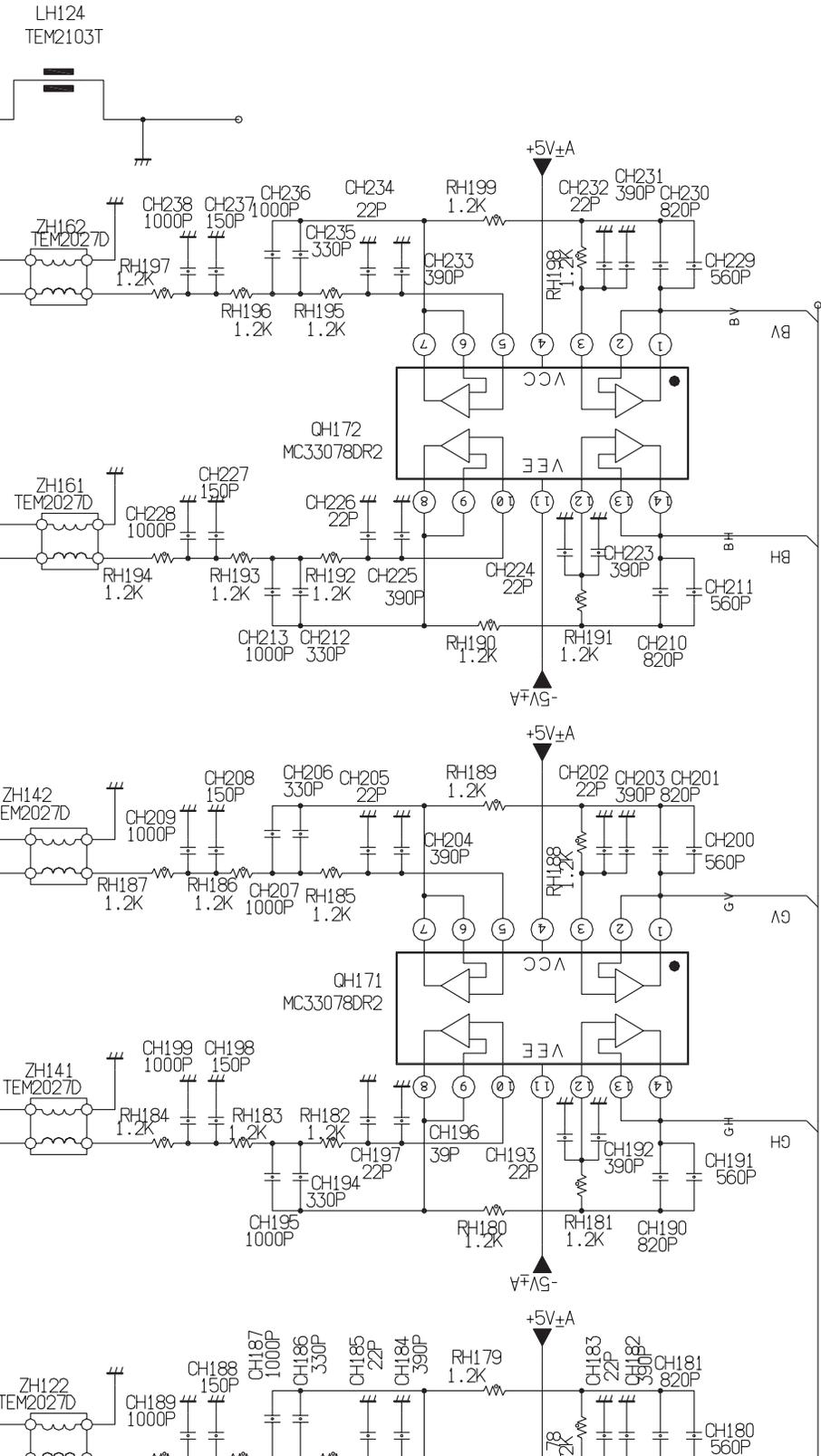
RH009
10K





7

8



A

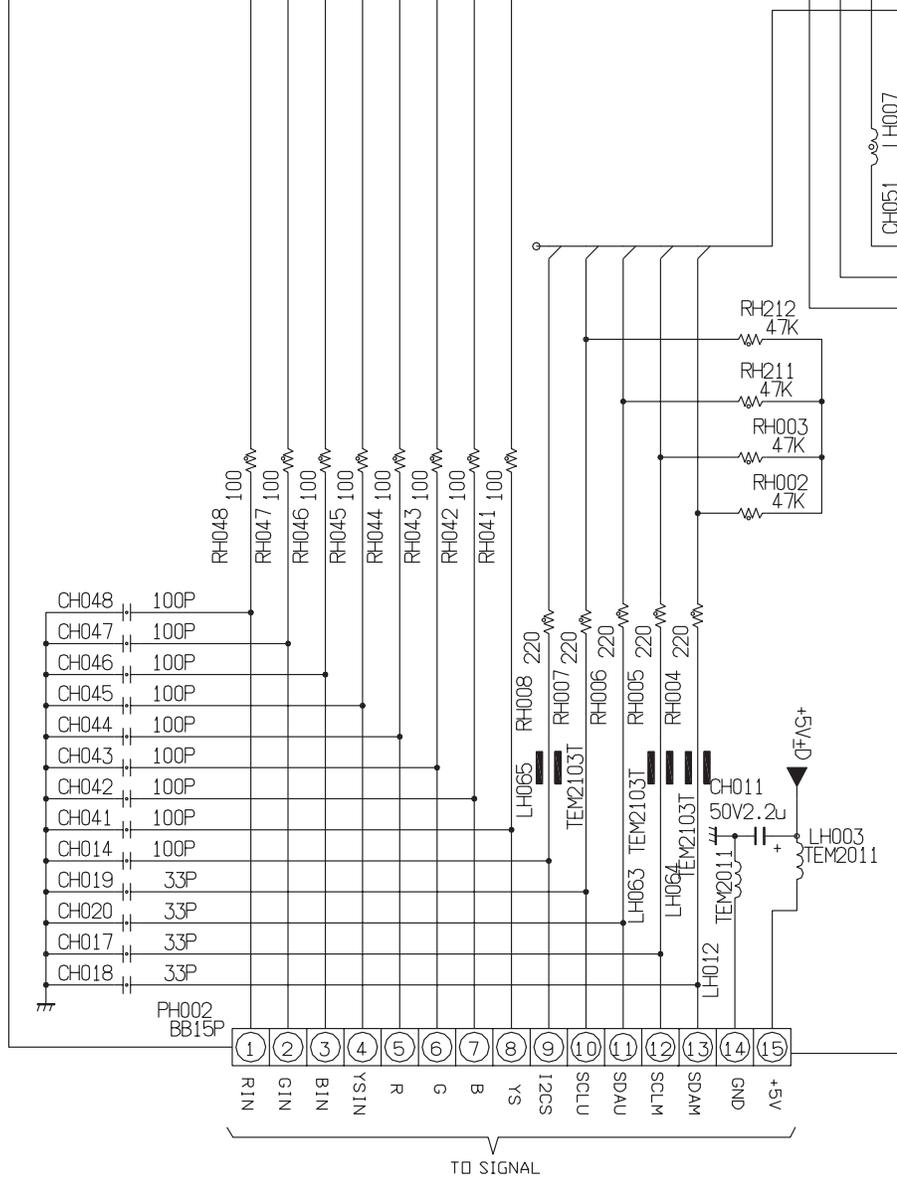
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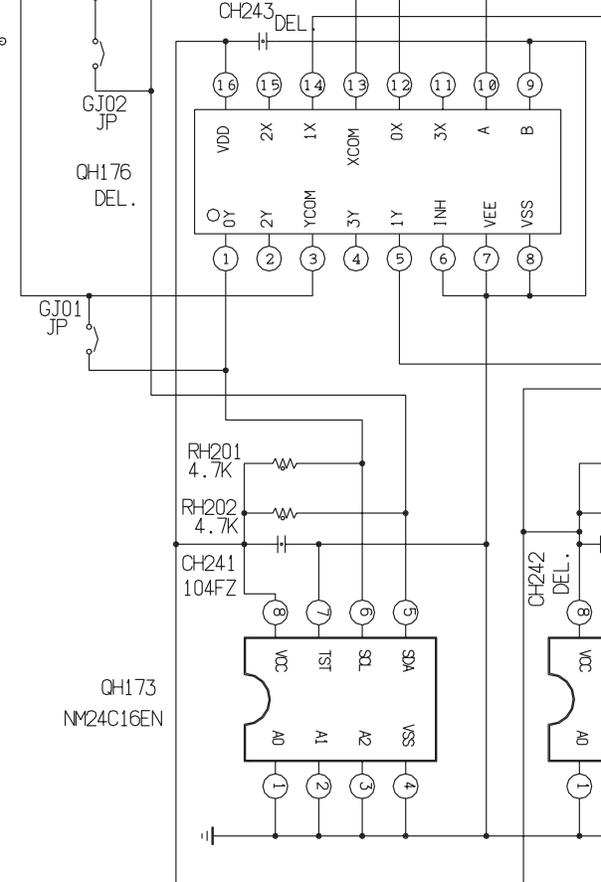
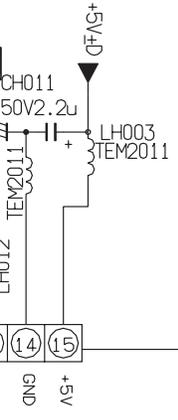
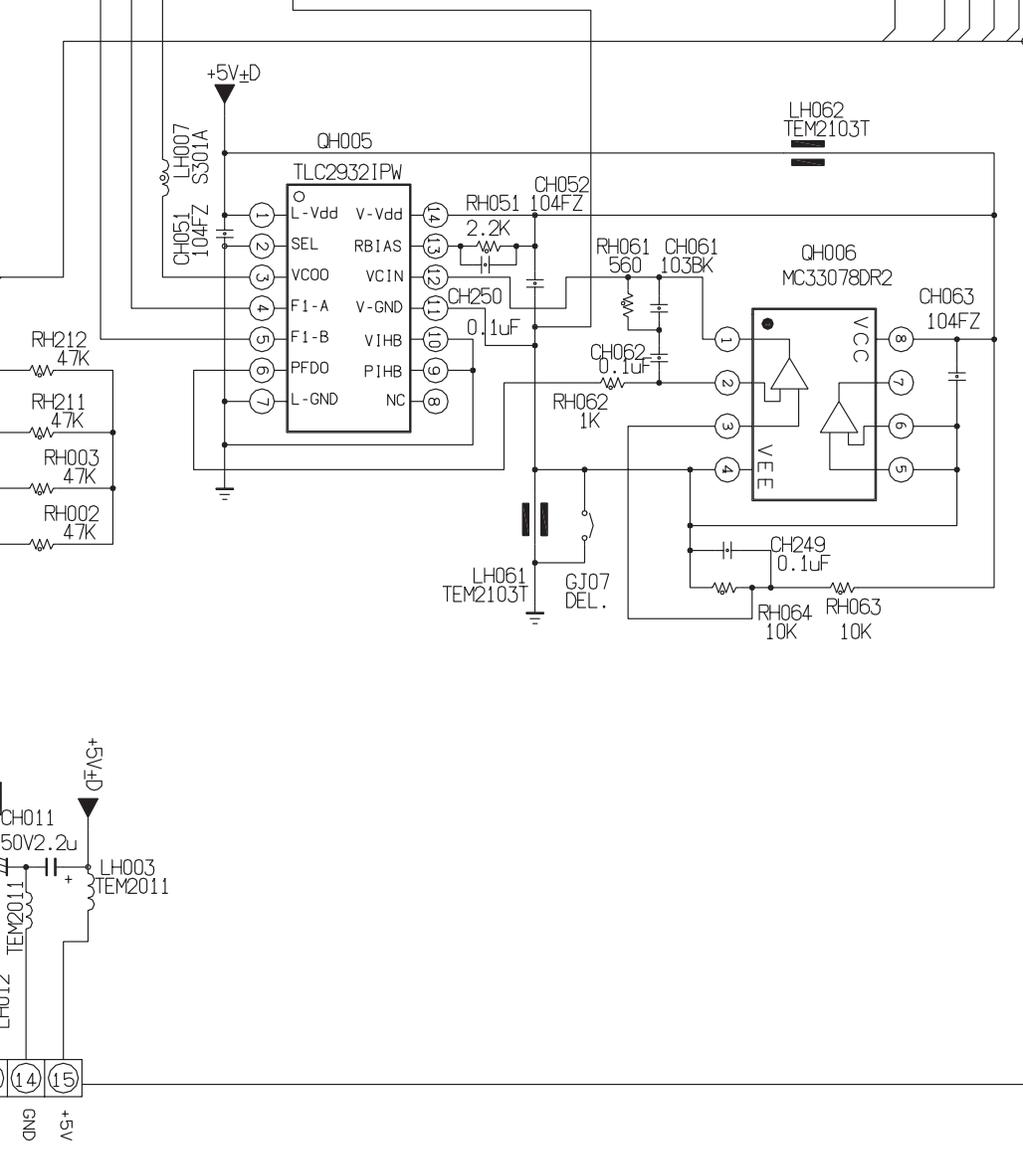
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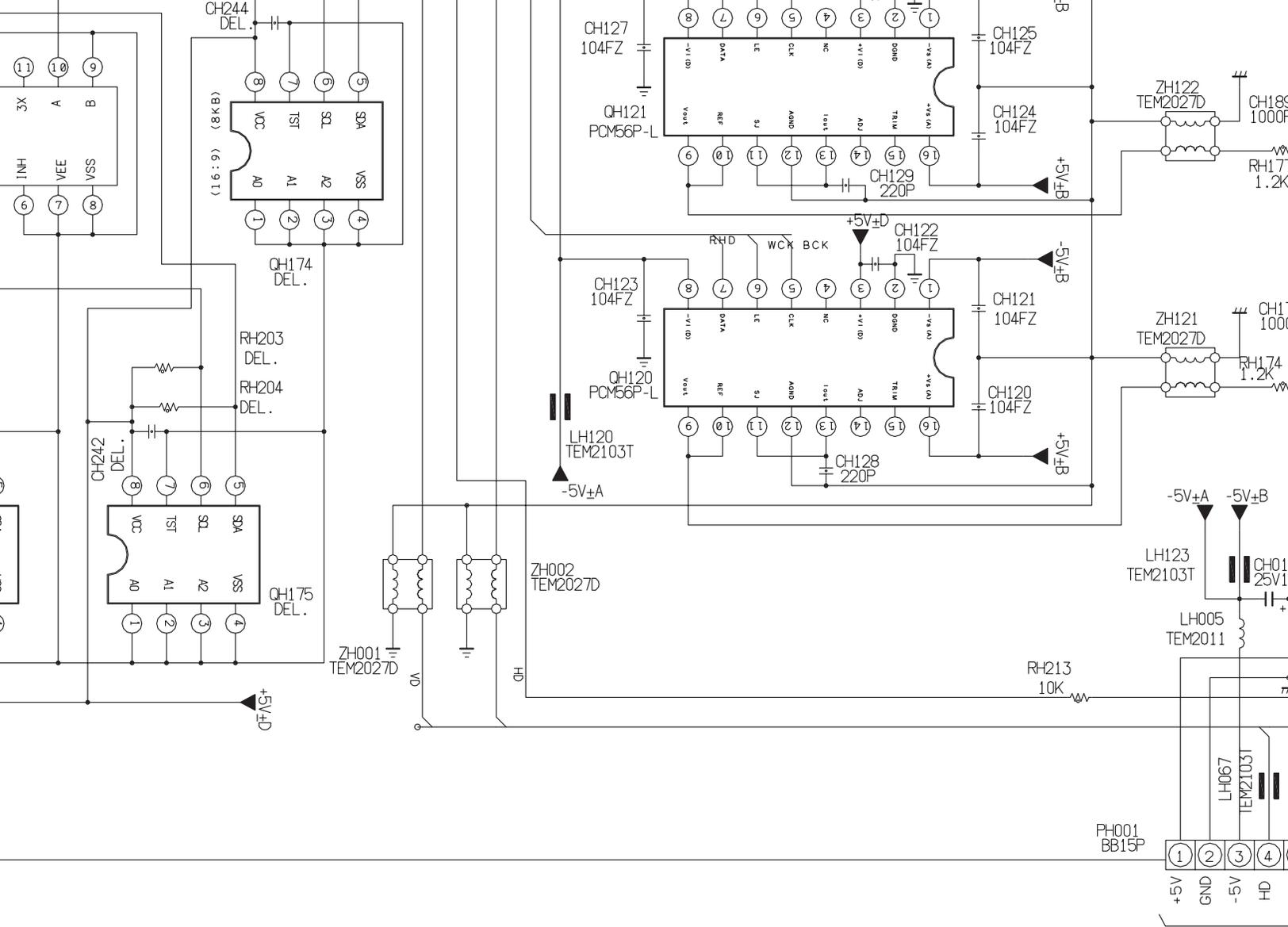
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F

F



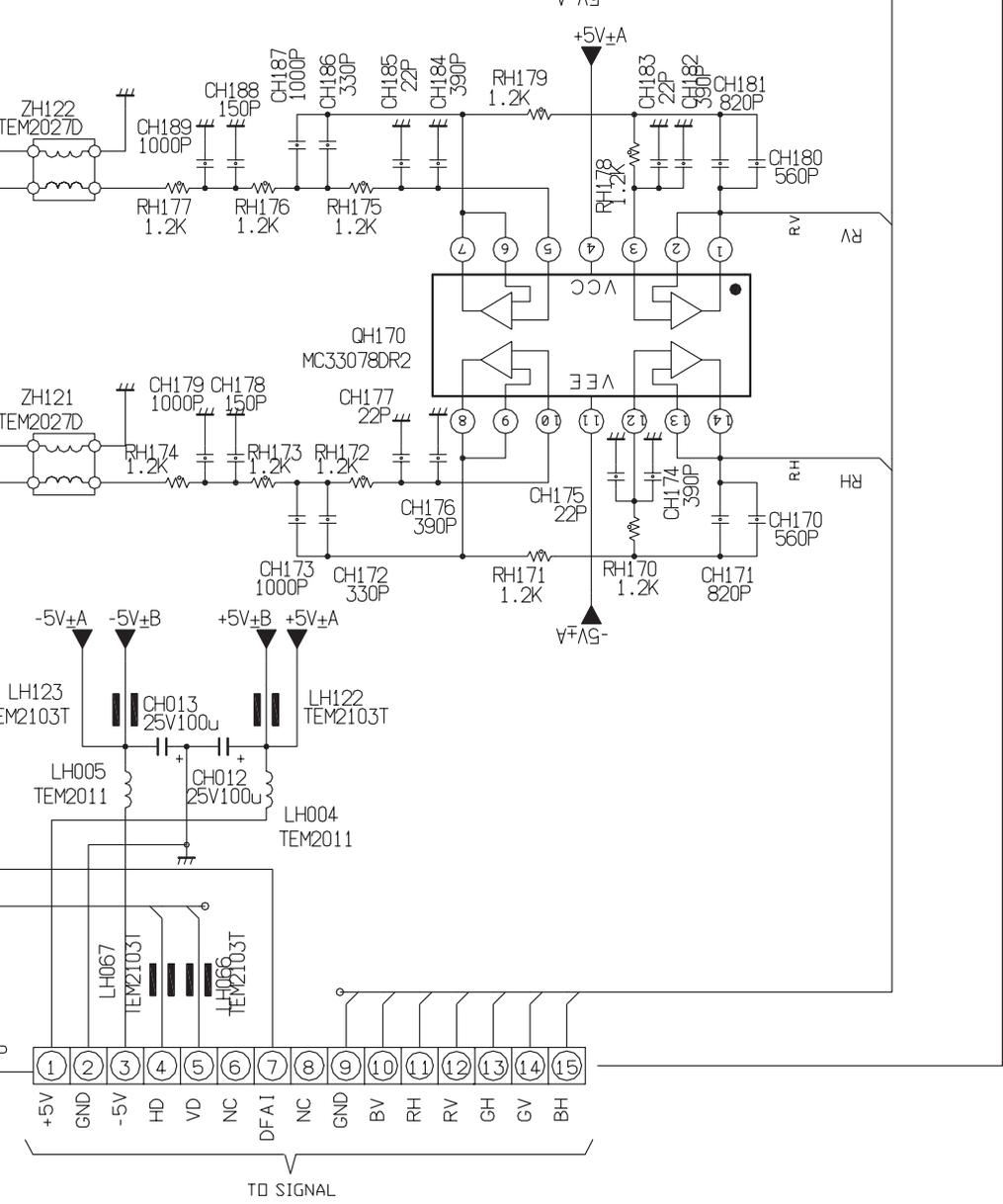




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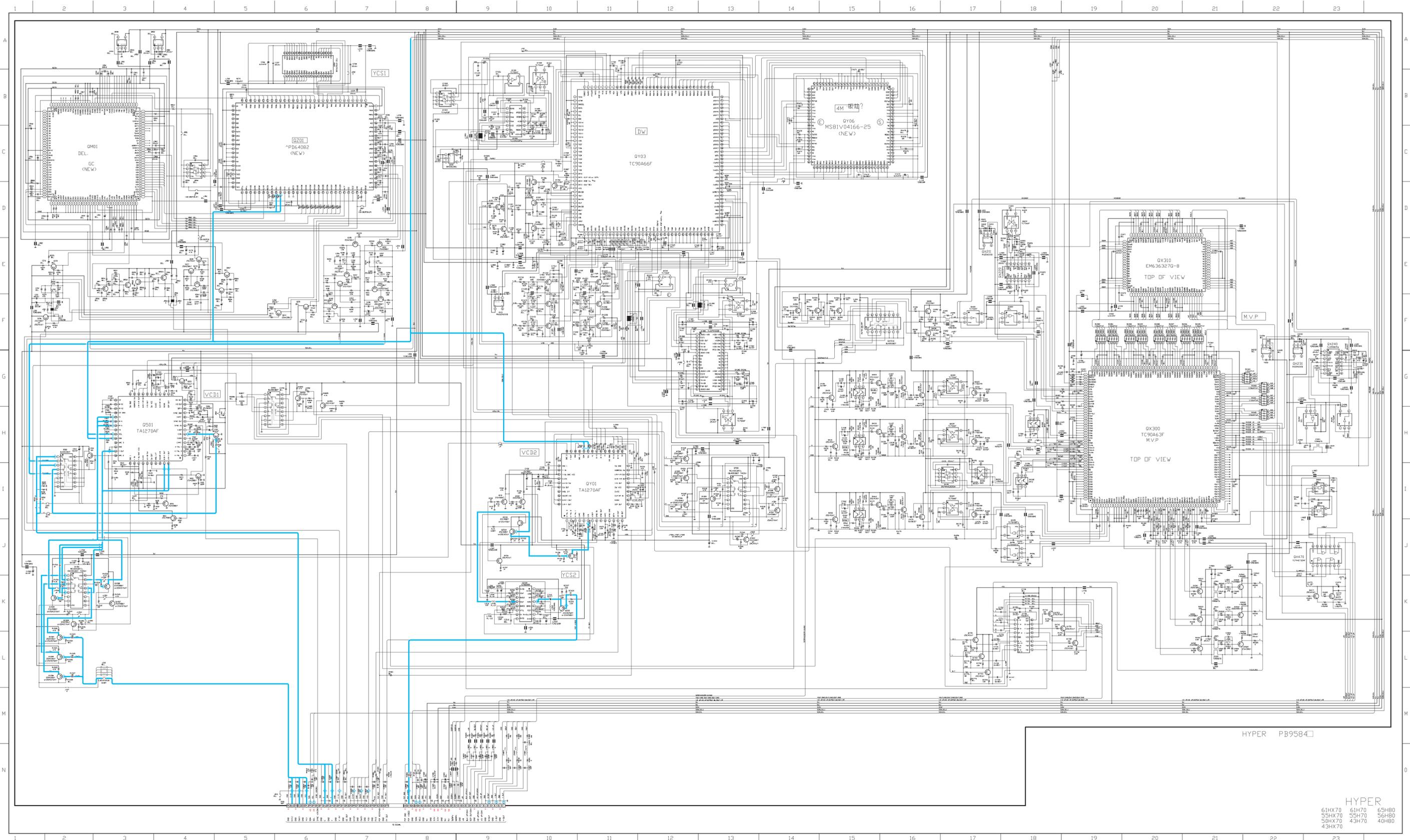
D

E

F

DIGITAL CONVER

56H80/40H80



HYPER PB9584

HYPER
 61HX70 61H70 65H80
 55HX70 55H70 56H80
 50HX70 43H70 40H80
 43HX70

1

2

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4

5

6

A

B

C

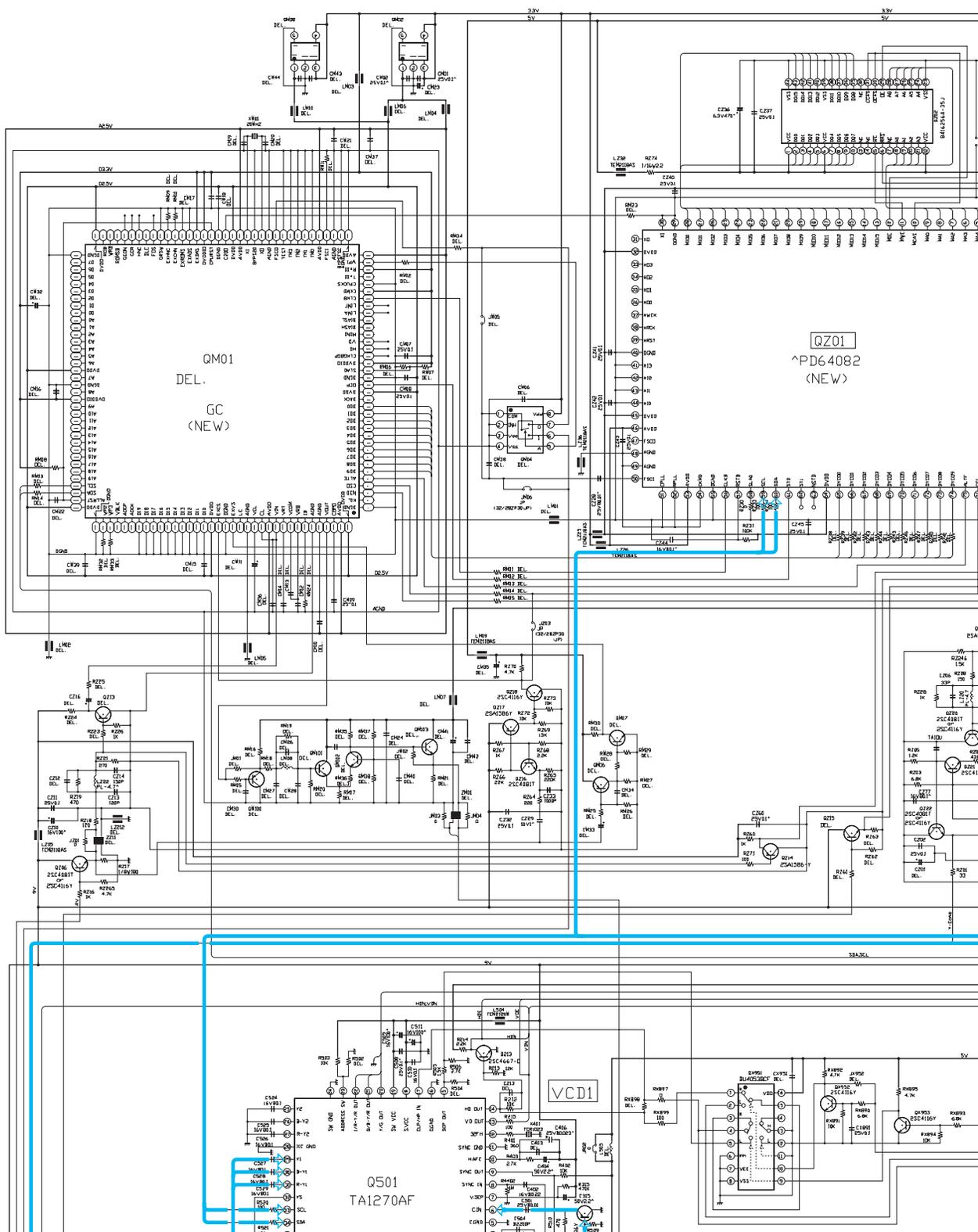
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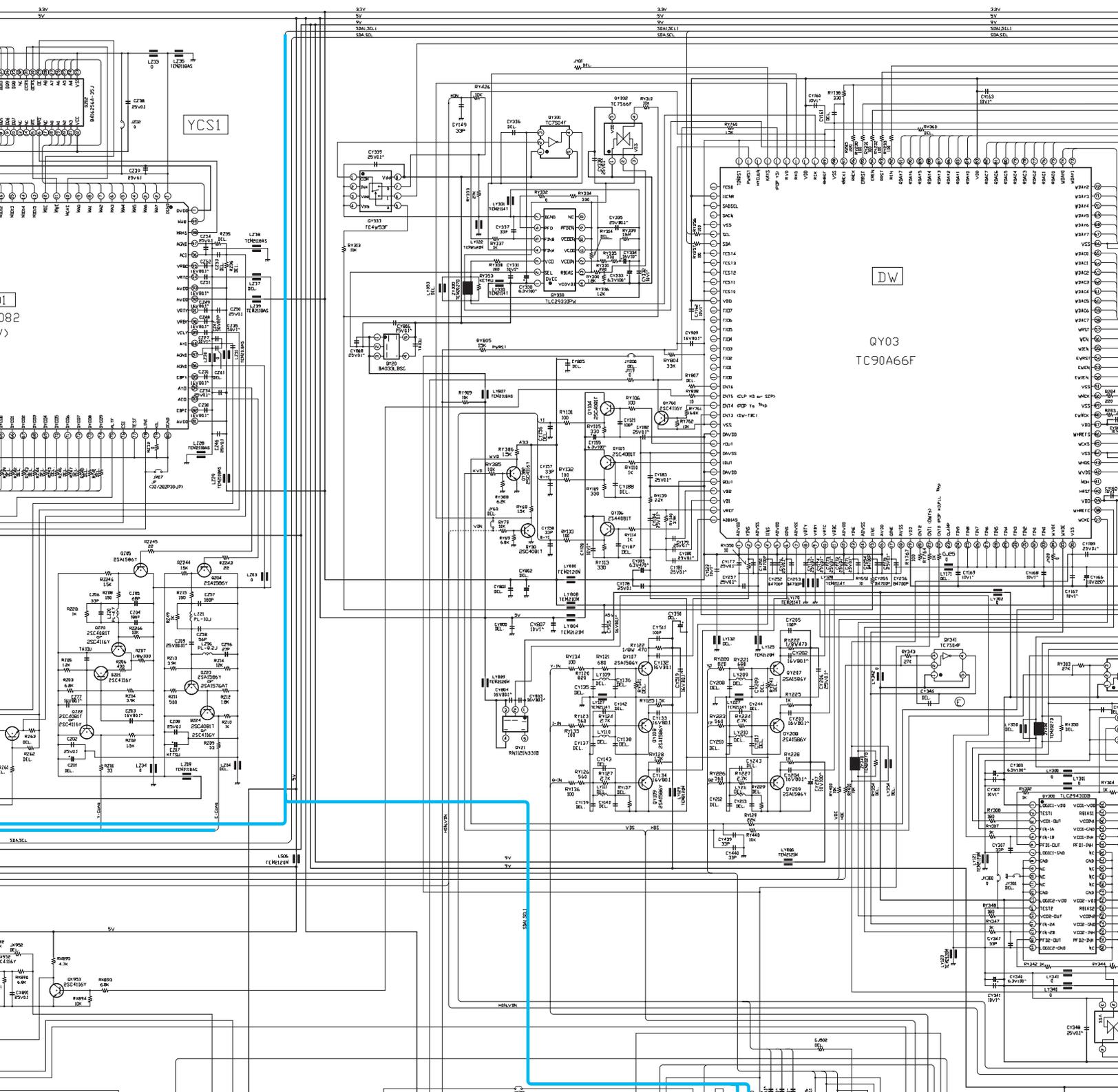
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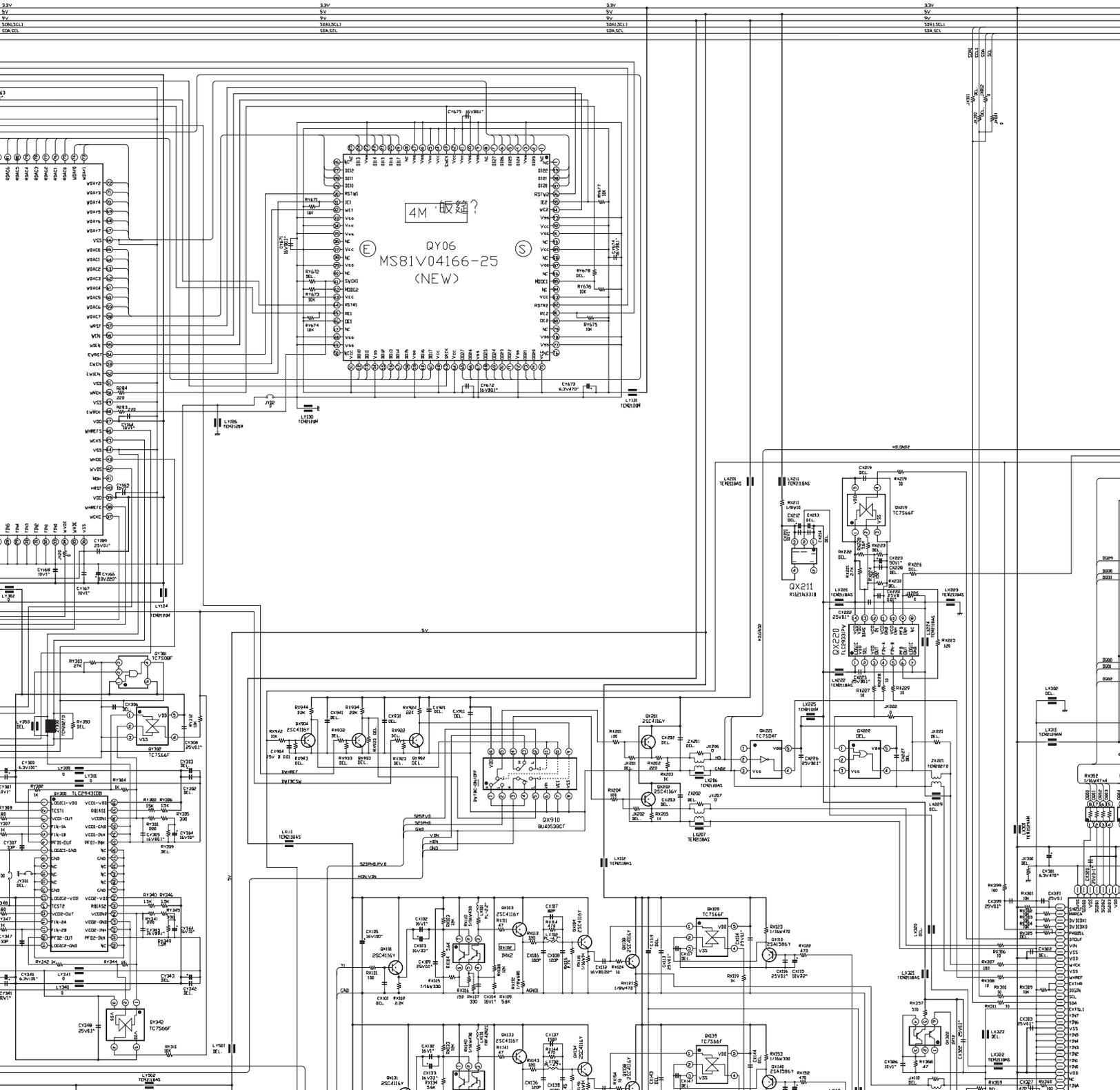
F

G

H







A

B

C

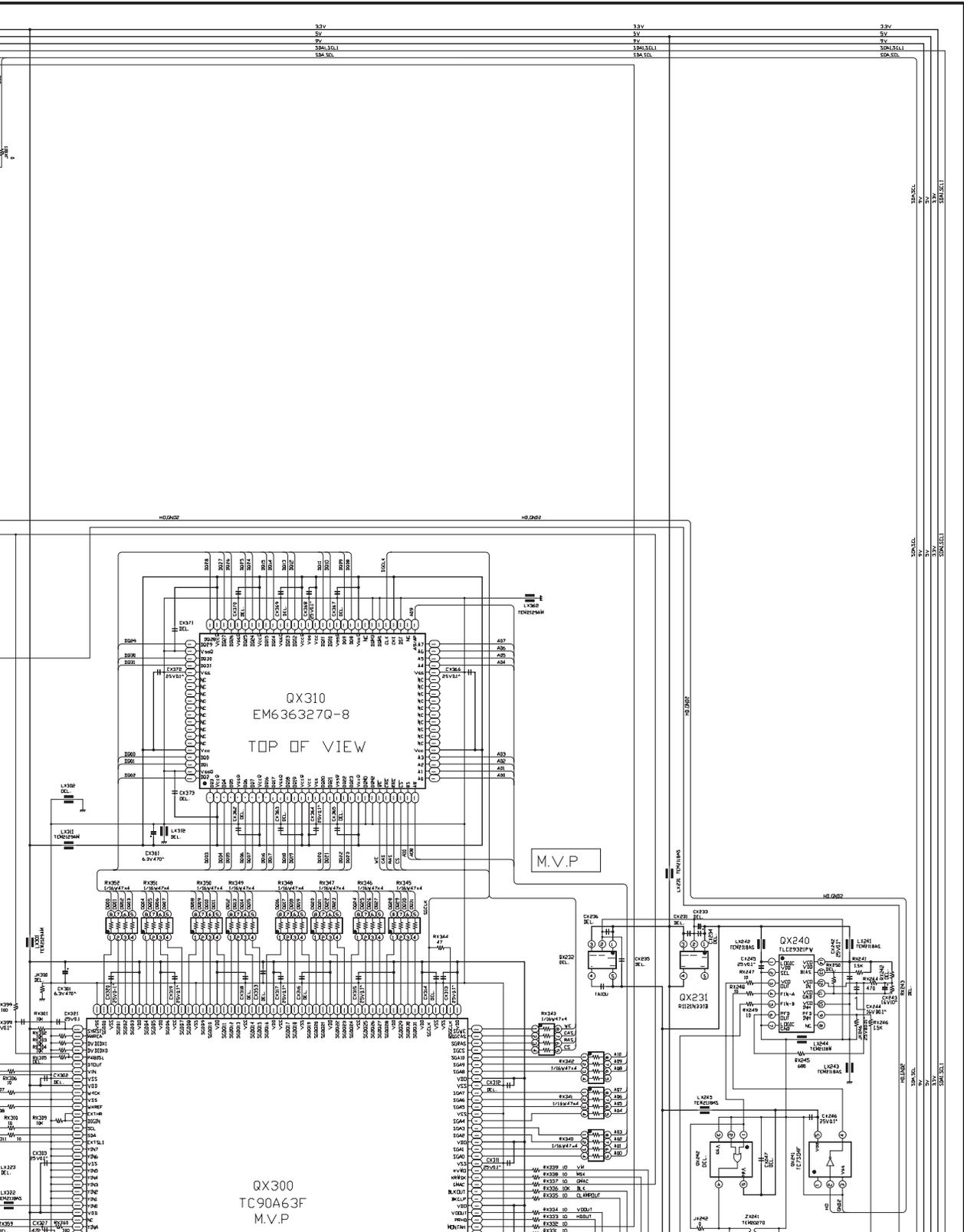
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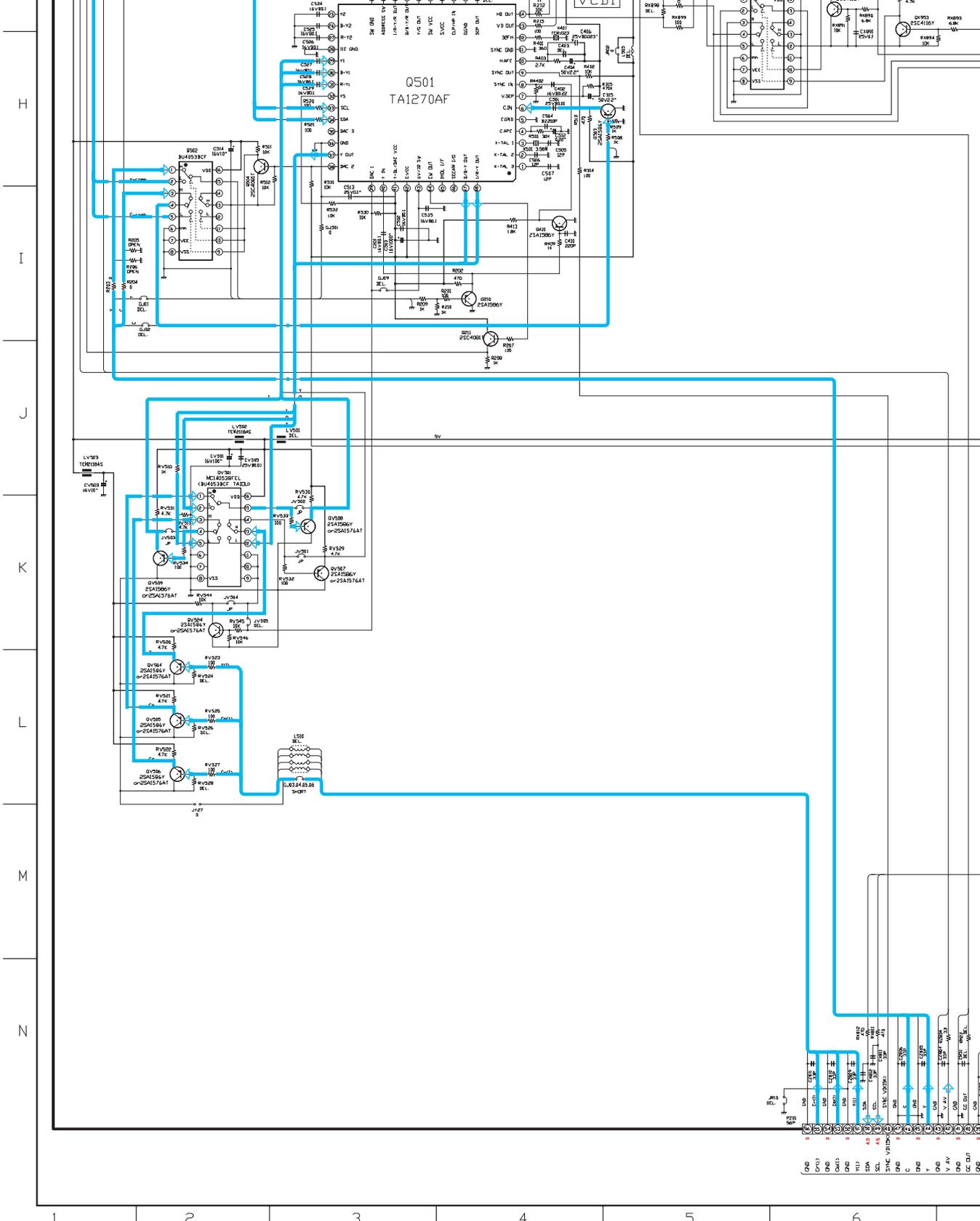
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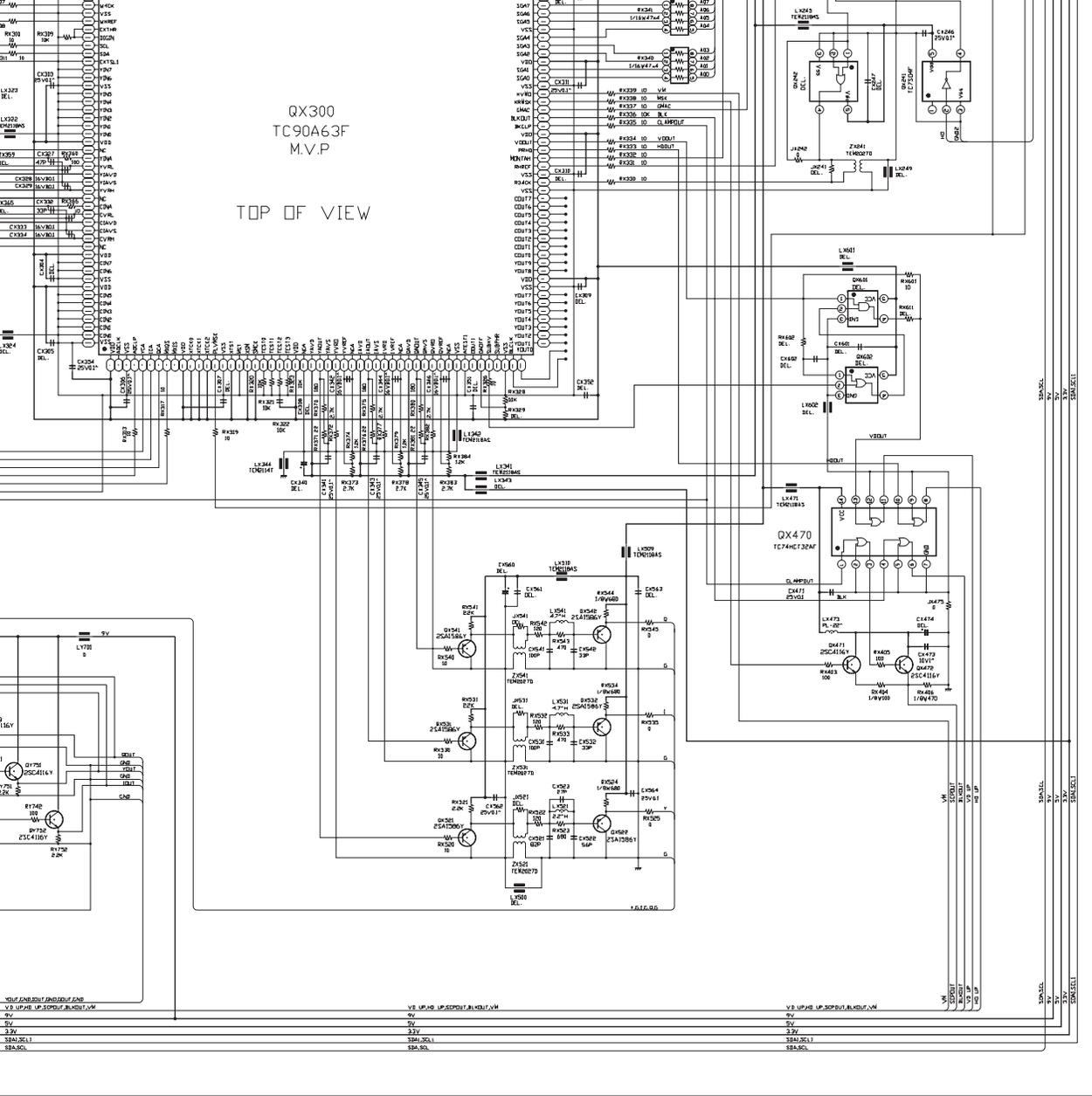
2

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6



HYPER PB9584

HYPER

- 61HX70
- 51HX70
- 50HX70
- 43HX70
- 61H70
- 55H70
- 43H70
- 65H80
- 56H80
- 40H80