

SCHEMATIC DIAGRAM <MODEL 289X4Y> (1/2)

NOTE: The parts identified by the international hazard symbols are critical for safety. Replace only with part number specified.

OBSERVATION OF VOLTAGES AND WAVEFORMS

- 1 Voltages read with VTVM from point shown to chassis ground line voltage 220 volts, colour bar signal
- 2 Voltages reading may vary $\pm 20\%$.
- 3 The schematic shown is representative only.
- 4 All waveforms are taken using a wide band oscilloscope and a low capacity probe
- 5 Check FINE TUNING, BRIGHTNESS, CONTRAST and COLOUR controls for best picture make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position
- 6 Waveforms are taken using a standard colour bar signal

NOTES:

- 1 D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit
- 2 The circuits are subject to change without notice
- 3 \bullet : Solder links

EXPRESSION

VALUE OF RESISTOR CAPACITOR AND INDUCTOR

- 1 Resistance is shown in ohm k=1,000, M=1,000,000
- 2 Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
- 3 Unless otherwise noted in schematic, all inductor values more than 1 are expressed in μH and the values less than 1 in H

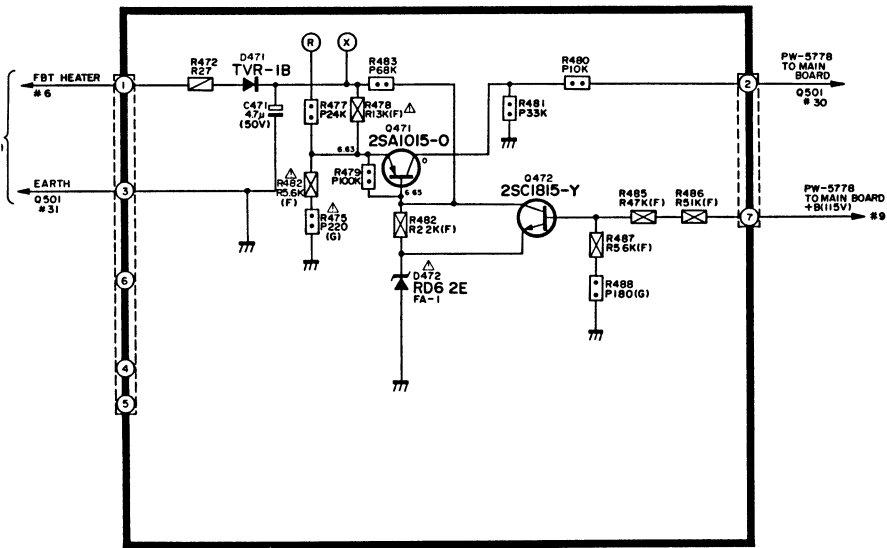
RESISTOR

Table 1		Table 2	
Type	Mark	Watt	Mark
Carbon Composition	S	1/16 W	3 W
Oxide Metal Film	R	1/8 W	5 W
Insulated Carbon Film	P	1/4 W	10 W
Wire Wound	W	1/2 W	15 W
Cement	No Mark	1 W	20 W
Variable Resistor		2 W	25 W
Positive Thermistor			
Negative Thermistor			
Fusible Resistor	FR		

CAPACITOR

Table 3	
Type	Mark
Ceramic Disc 50V Only	\square
Electrolytic	\square
Electrolytic Non Polar	\square
Variable Capacitor	\square
Other	\square

U904 X-RAY BOARD PW6008



SCHEMATIC DIAGRAM <MODEL 289X4 Y> (1/2)

NOTE: The parts identified by the international hazard symbols are critical for safety. Replace only with part number specified.

OBSERVATION OF VOLTAGES AND WAVEFORMS

- 1 Voltages read with VTVM from point shown to chassis ground. Line voltage 220 volts colour bar signal.
- 2 Voltages reading may vary $\pm 20\%$.
- 3 The schematic shown is representative only.
- 4 All waveforms are taken using a wide band oscilloscope and a low capacity probe.
- 5 Check FINE TUNING BRIGHTNESS CONTRAST and COLOUR controls for best picture. Make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position.
- 6 Waveforms are taken using a standard colour bar signal.

NOTES:

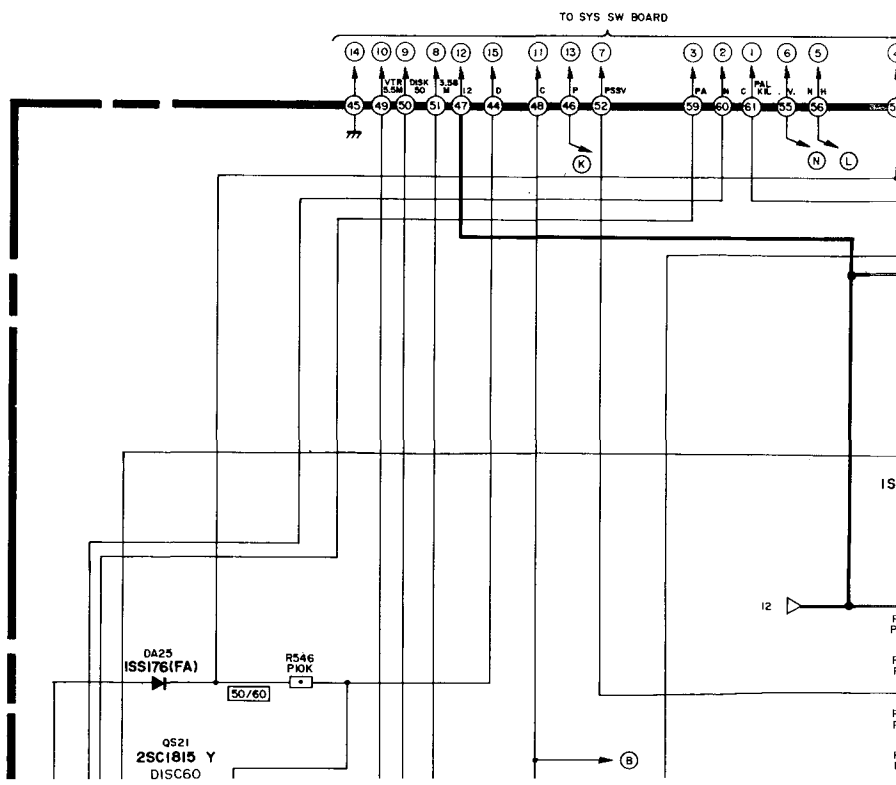
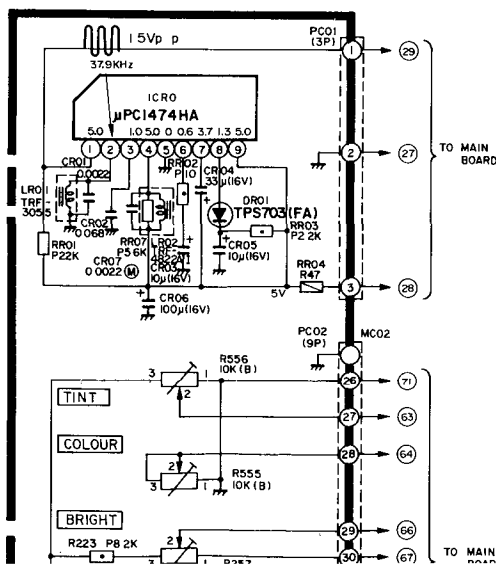
- 1 D C resistance
- 2 The circuits
- 3 : Solder

EXPRESSION

VALUE OF R

- 1 Resistance is
- 2 Unless other
- 3 Unless other

UA01 CONTROL BOARD
PW4624-1



NOTES:

- 1 D C resistance value of a principal transformer is shown in this schematic diagram These are measured for separated from the circuit
- 2 The circuits are subject to change without notice
- 3 ● : Solder links

EXPRESSION

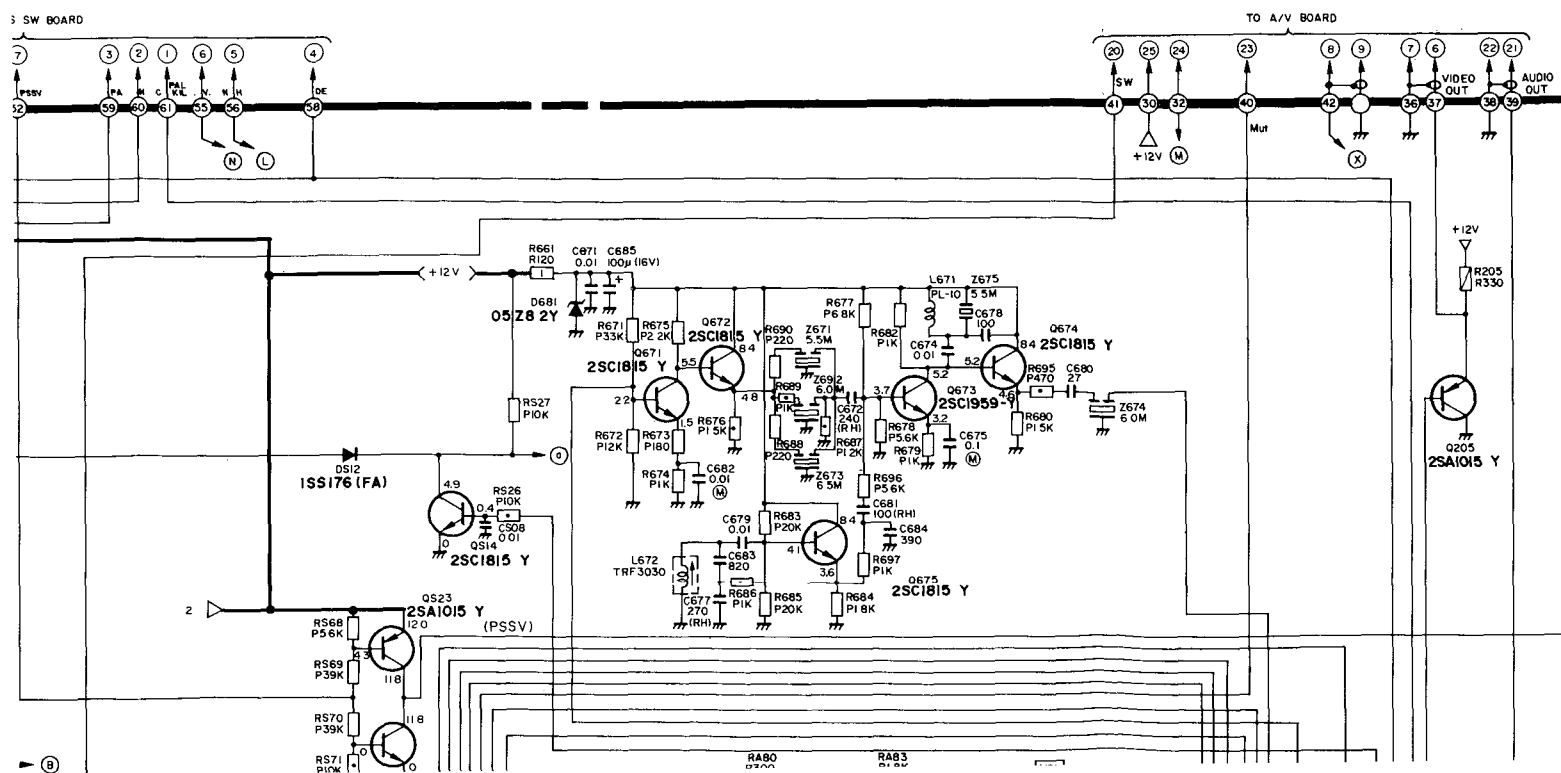
VALUE OF RESISTOR CAPACITOR and INDUCTOR

- 1 Resistance is shown in ohm k=1 000 M=1 000 000
- 2 Unless other wise noted in schematic all capacitor values less than 1 are expressed in μF and the values more than 1 in pF
- 3 Unless otherwise noted in schematic all inductor values more than 1 are expressed in μH and the values less than 1 in H

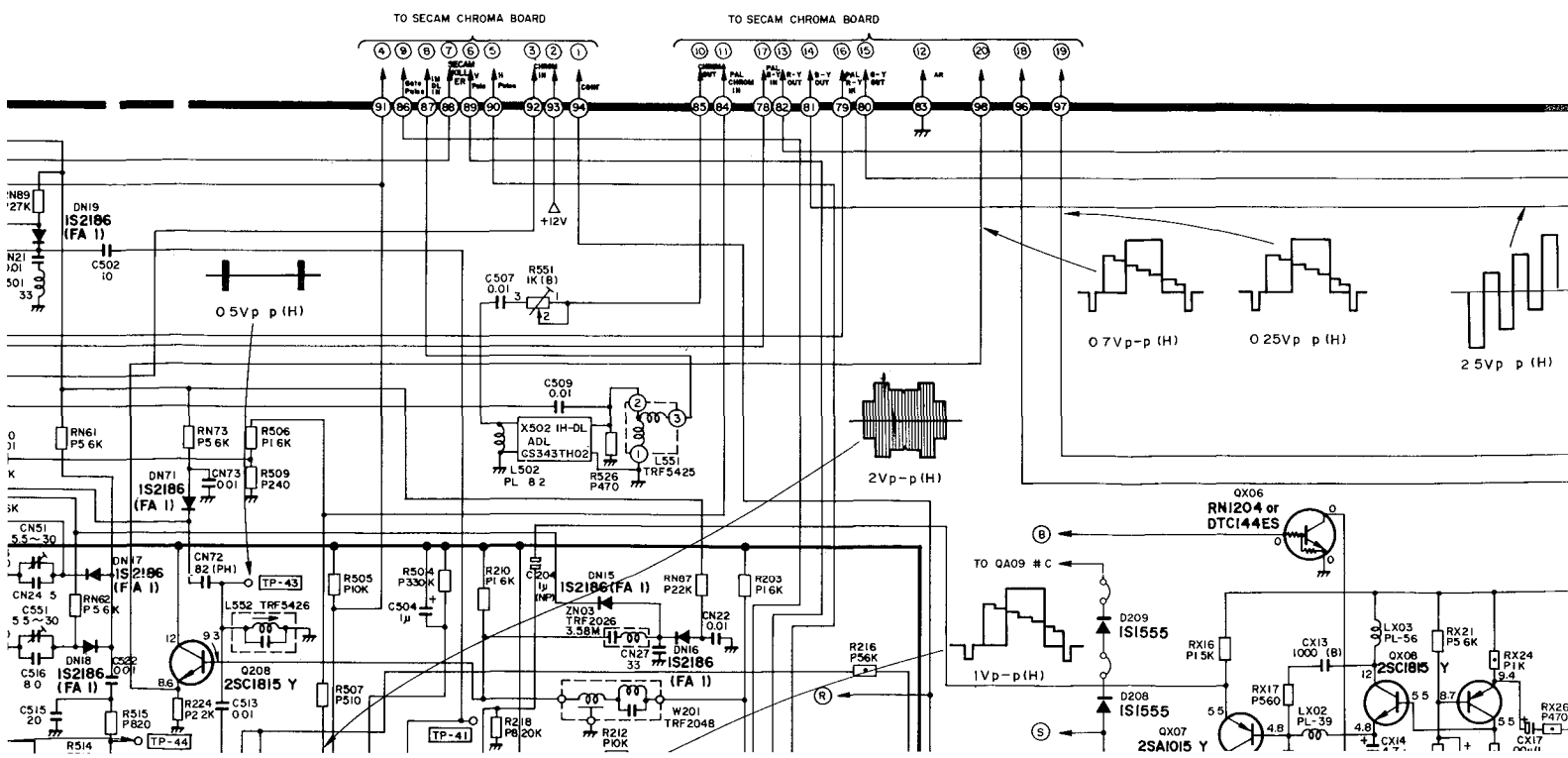
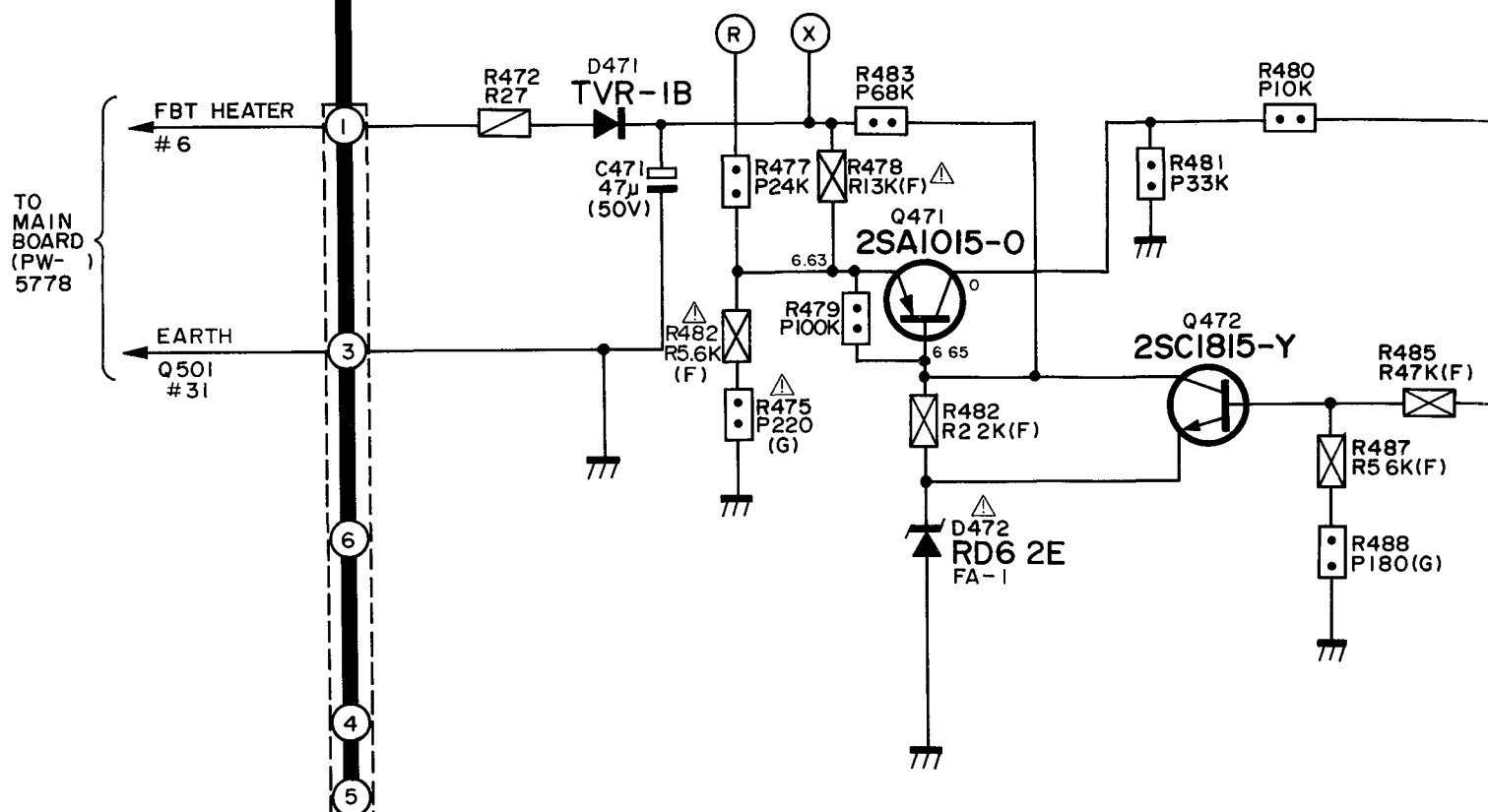
RESISTOR

Table 1

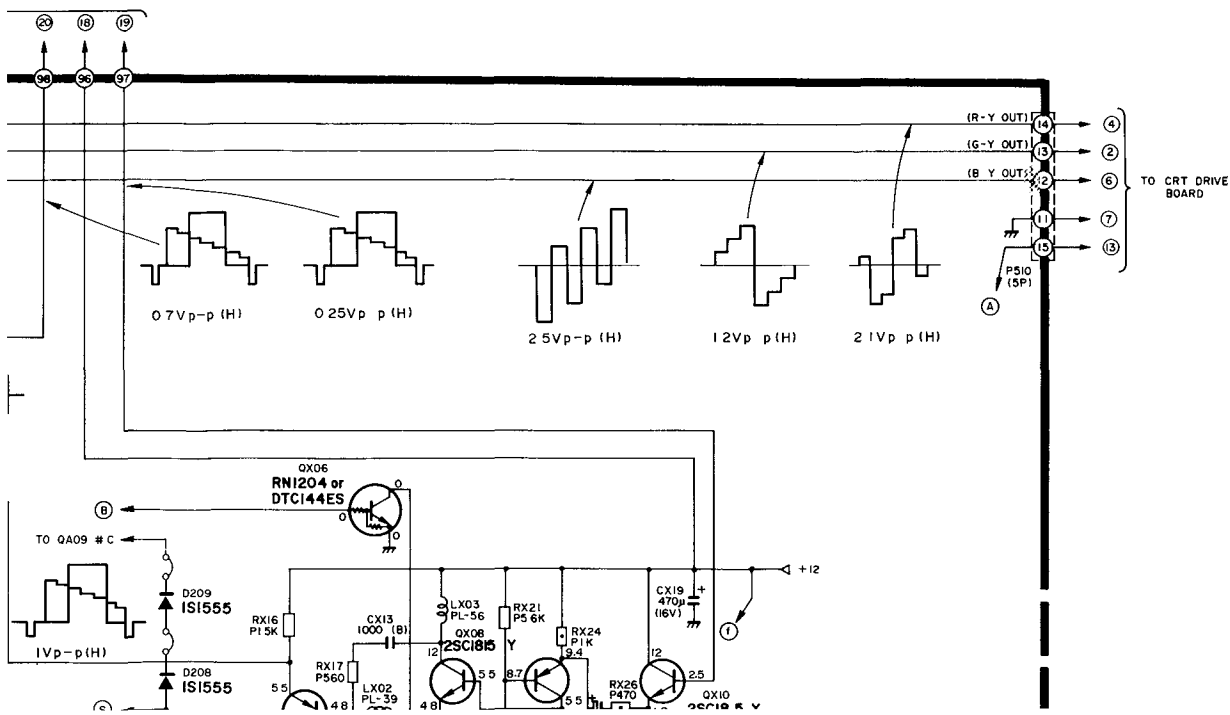
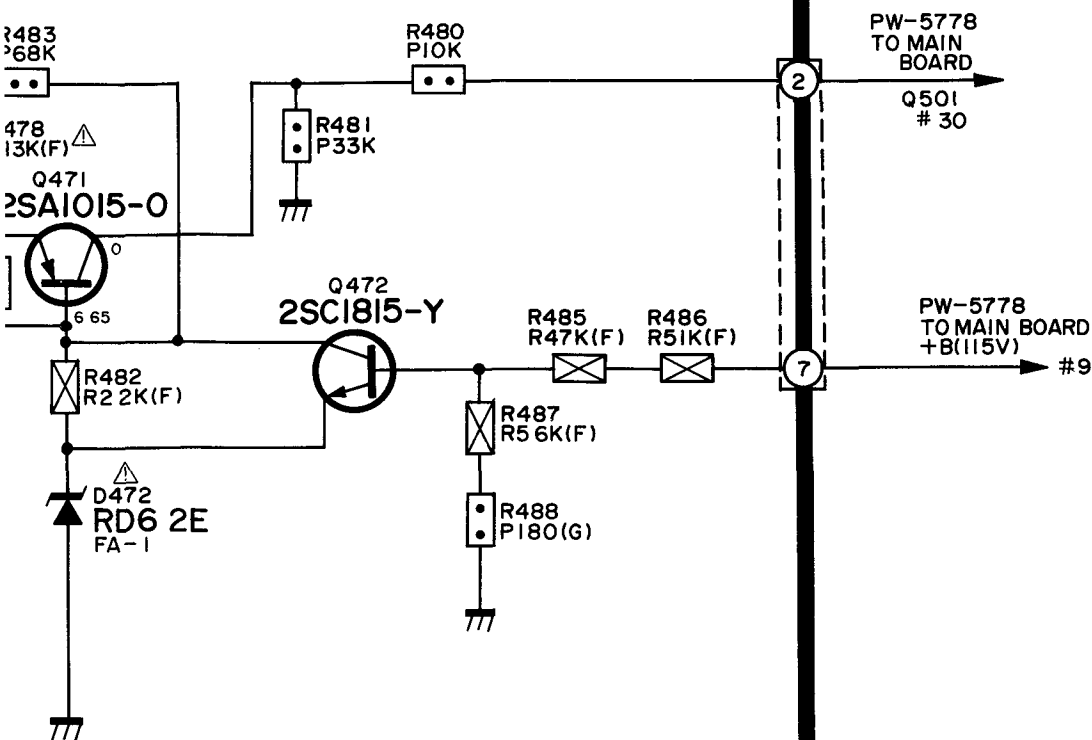
Type	
Carbon Composition	
Oxide Metal Film	
Insulated Carbon Film	
Wire Wound	
Cement	N
Variable Resistor	
Positive Thermistor	
Negative Thermistor	
Fusible Resistor	

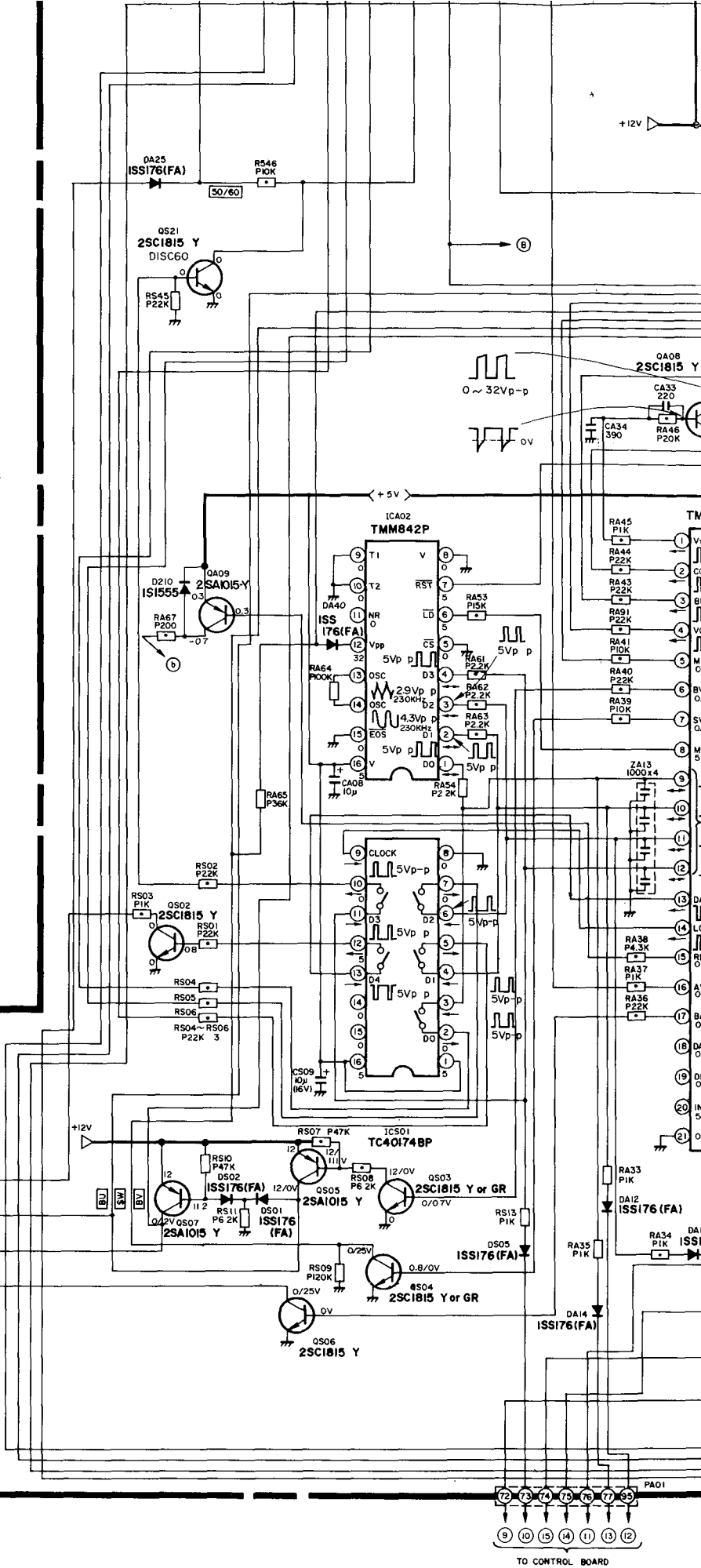
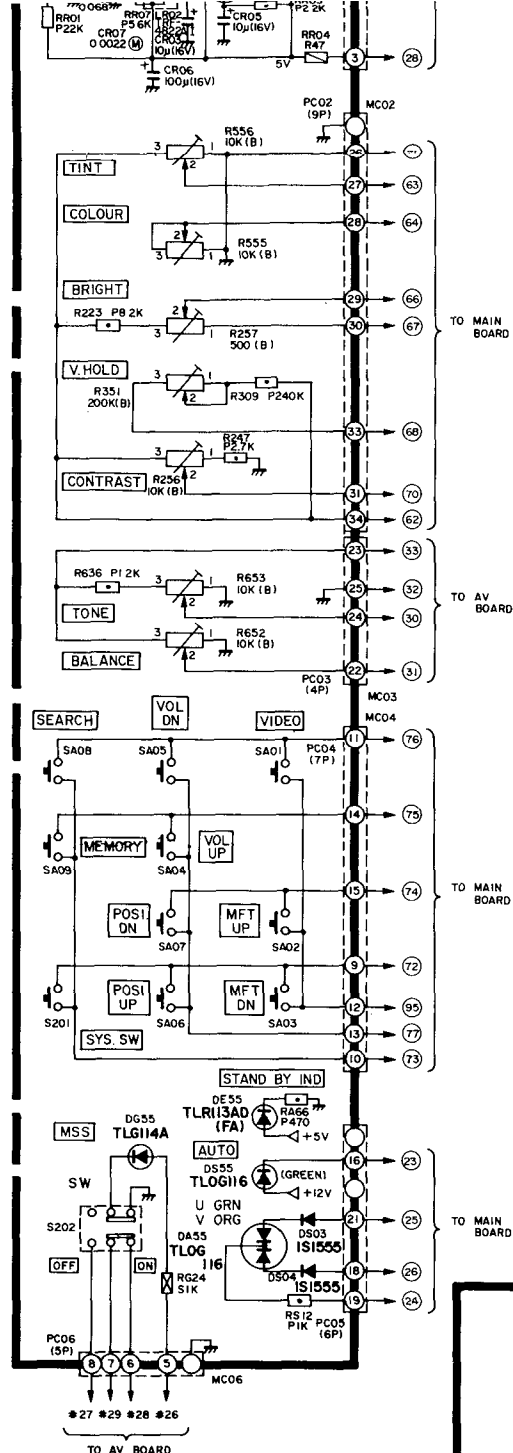


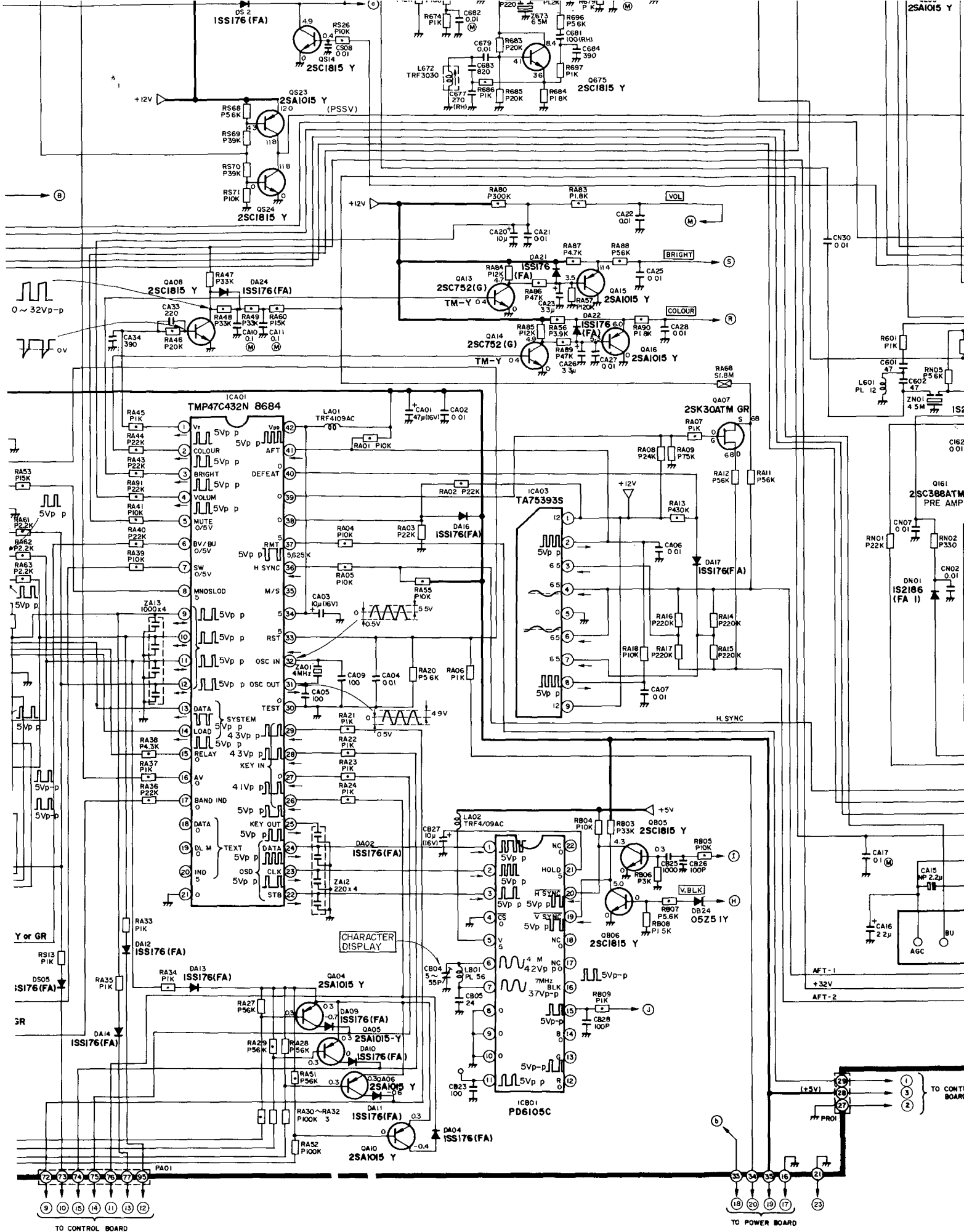
U904 X-RAY BOARD PW6008

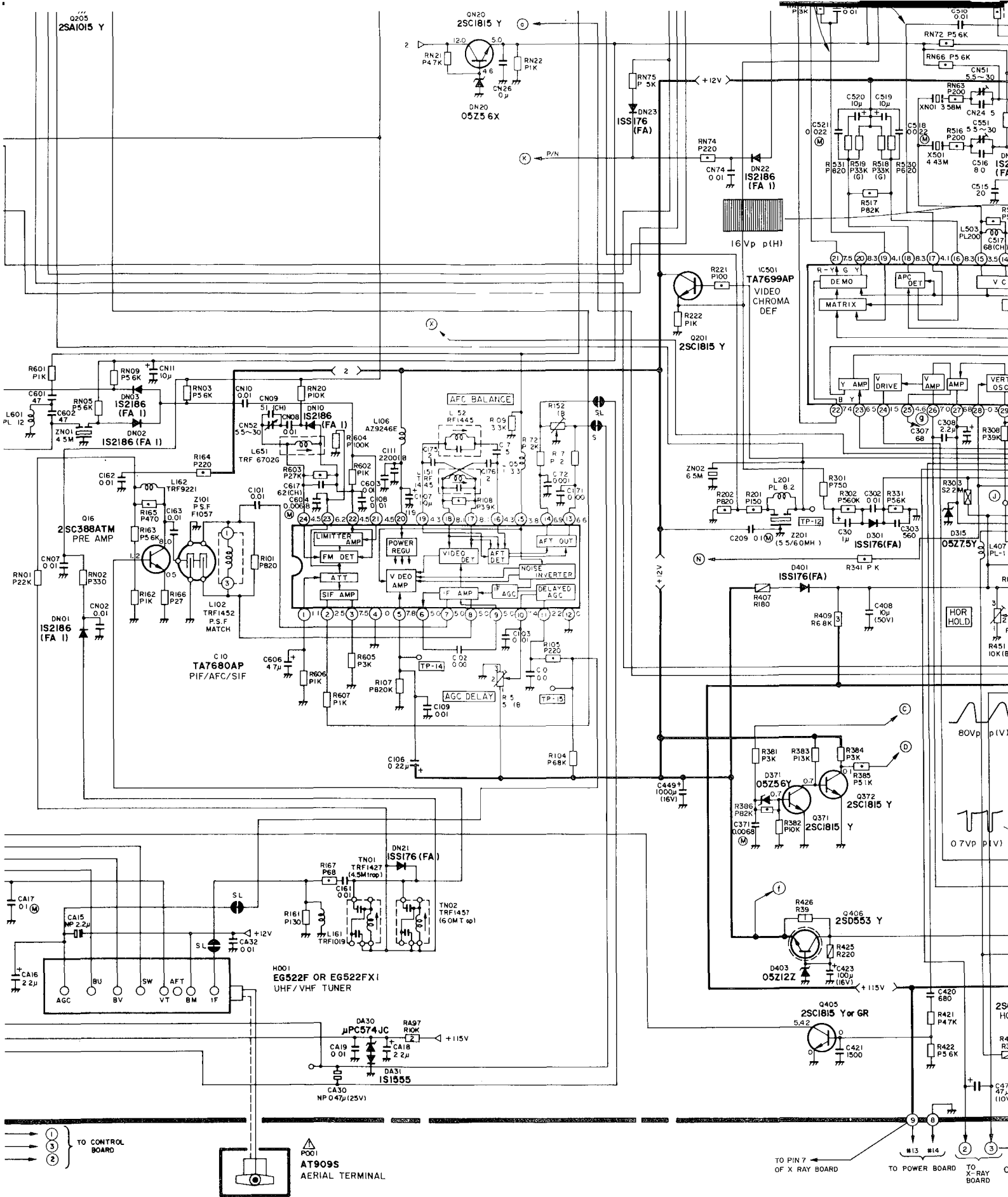


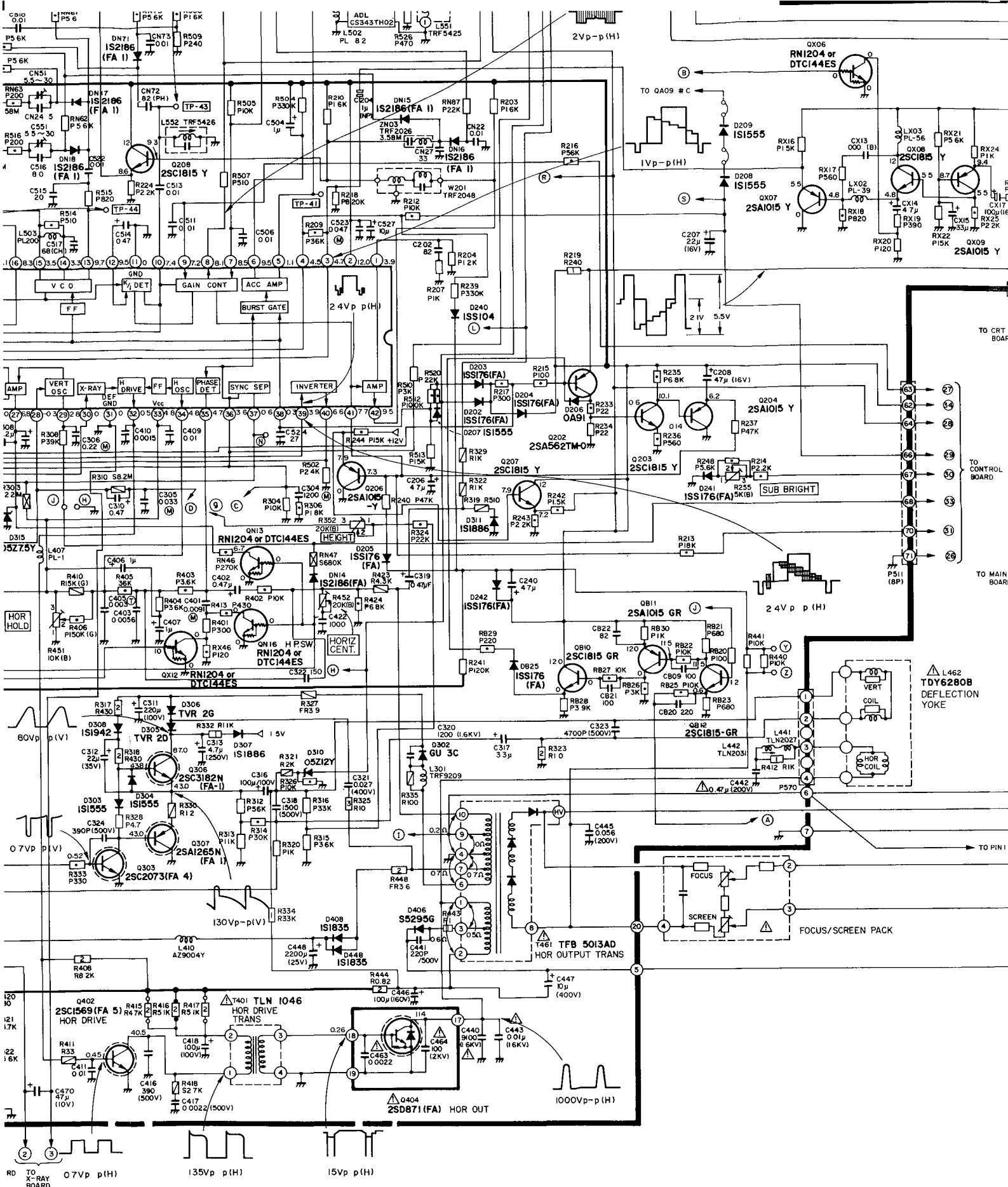
Y BOARD PW6008

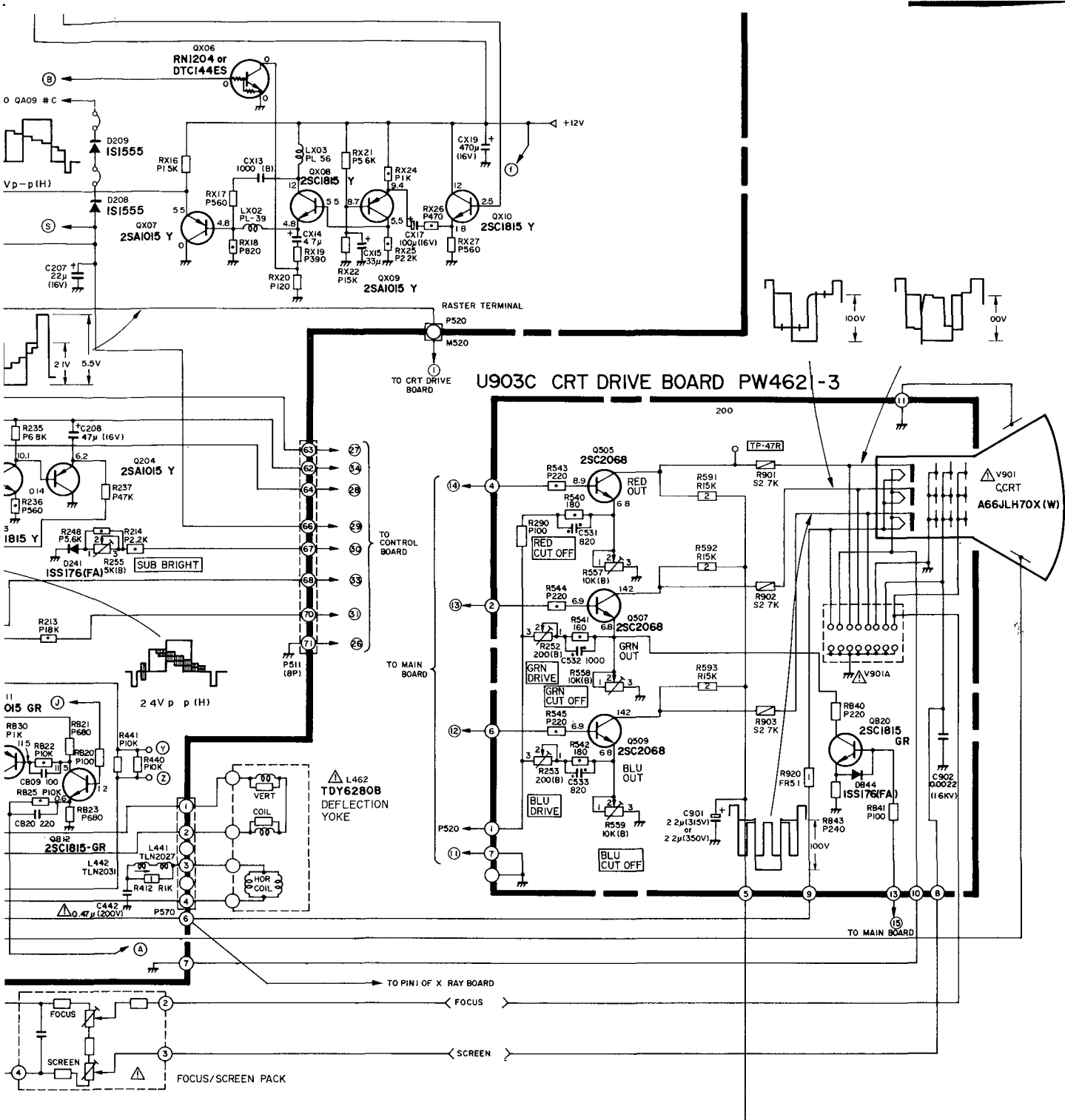












SCHEMATIC DIAGRAM <MODEL 289X4Y> (2/2)

NOTE: The parts identified by the international hazard symbols are critical for safety. Replace only with part number specified.

OBSERVATION OF VOLTAGES AND WAVEFORMS

- 1 Voltages read with VTVM from point shown to chassis ground line voltage 220 volts, colour bar signal
- 2 Voltages reading may vary $\pm 20\%$.
- 3 The schematic shown is representative only
- 4 All waveforms are taken using a wide band oscilloscope and a low capacity probe
- 5 Check FINE TUNING, BRIGHTNESS, CONTRAST and COLOUR controls for best picture make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position
- 6 Waveforms are taken using a standard colour bar signal

NOTES:

- 1 D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
- 2 The circuits are subject to change without notice
- 3 \bullet : Solder links

EXPRESSION

VALUE OF RESISTOR CAPACITOR AND INDUCTOR

- 1 Resistance is shown in ohm k=1,000, M=1,000,000
- 2 Unless other wise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF
- 3 Unless otherwise noted in schematic all inductor values more than 1 are expressed in μH and the values less than 1 in H

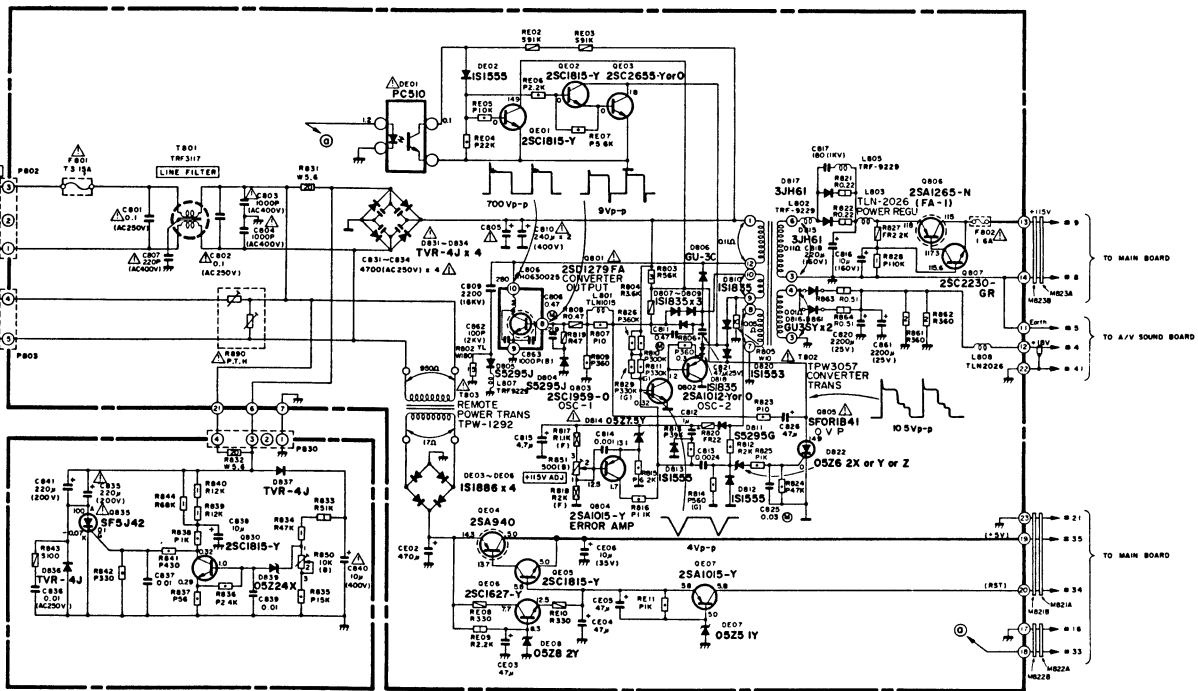
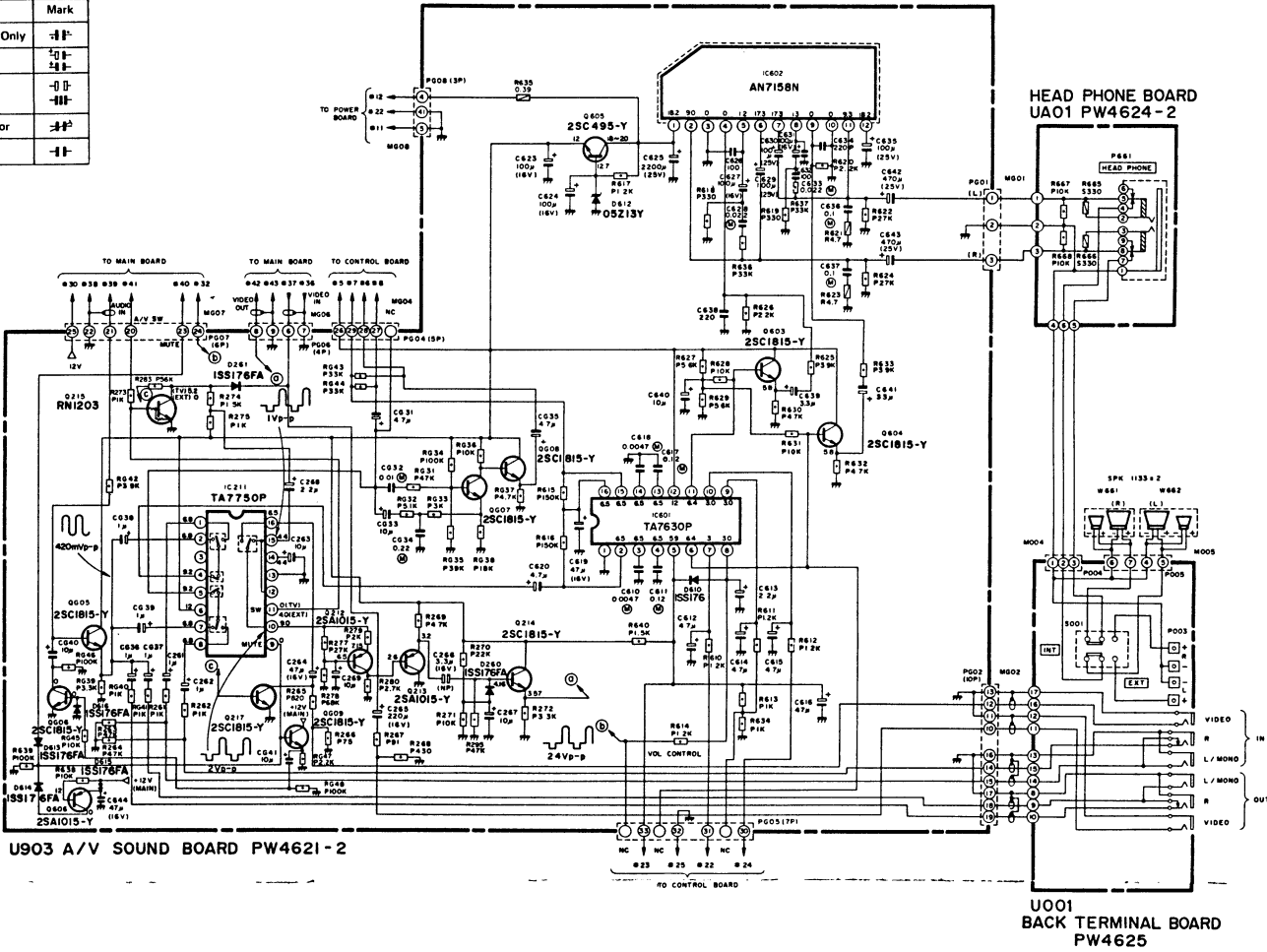
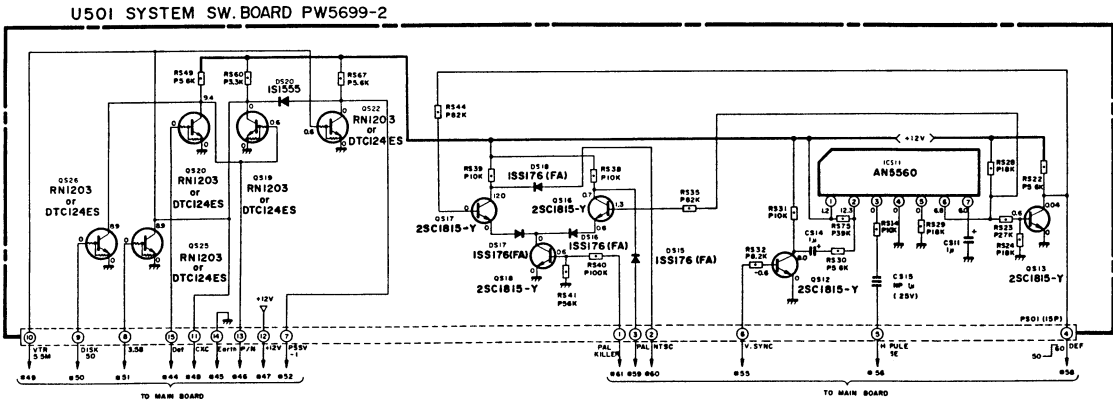
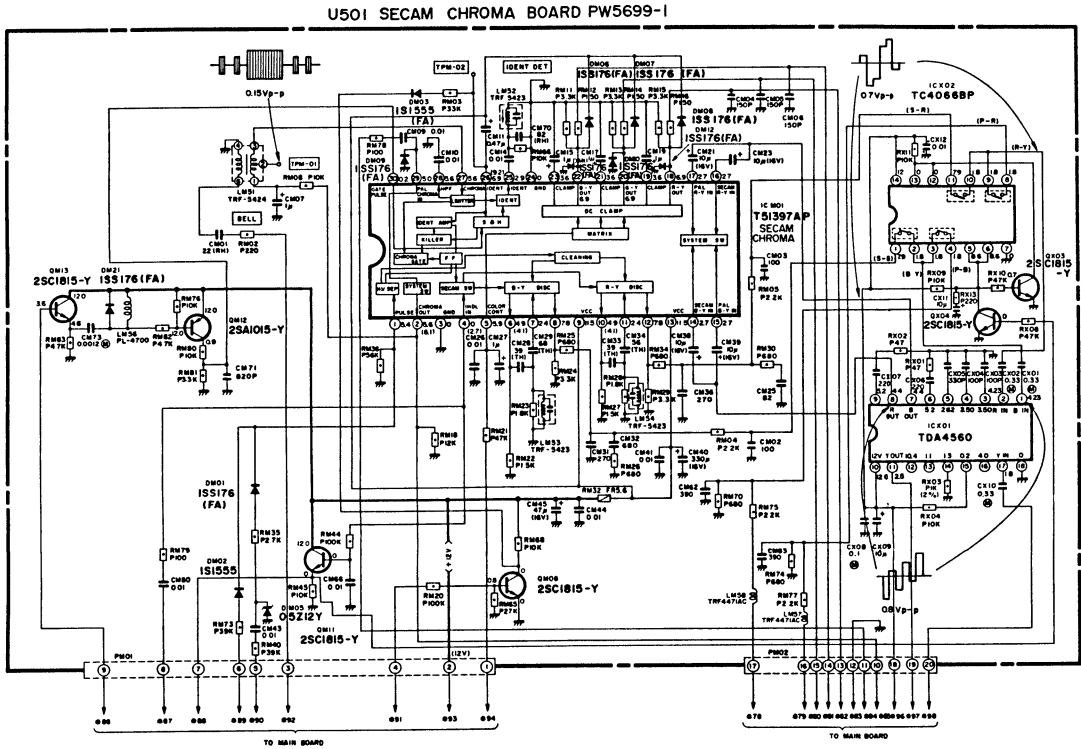
RESISTOR

Table 1		
Type	Mark	Mark
Carbon Composition	S	
Oxide Metal Film	R	
Insulated Carbon Film	P	
Wire Wound	W	
Cement	No Mark	
Variable Resistor		
Positive Thermistor		
Negative Thermistor		
Fusible Resistor	FR	

Table 2			
Watt	Mark	Watt	Mark
1/16 W		3 W	
1/8 W		5 W	
1/6 W		10 W	
1/2 W		15 W	
1 W		20 W	
2 W		25 W	

CAPACITOR

Table 3	
Type	Mark
Ceramic Disc 50V Only	
Electrolytic	
Electrolytic Non Polar	
Variable Capacitor	
Other	



SCHEMATIC DIAGRAM <MODEL 289X4Y> (2/2)

NOTE: The parts identified by the international hazard symbols are critical for safety. Replace only with part number specified.

NOTES:

- 1 D C resist
- 2 The circuit
- 3 : Solo

EXPRESSION

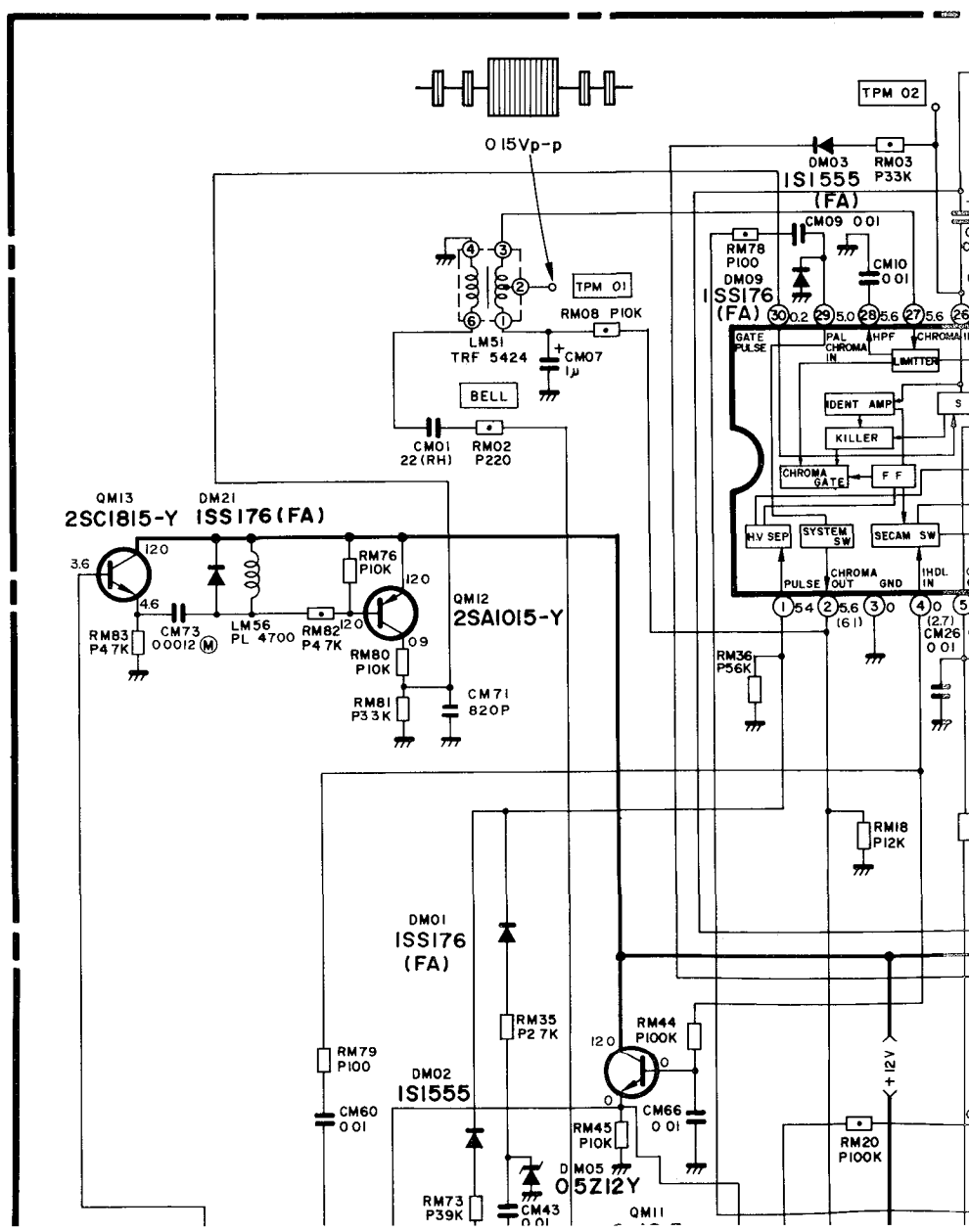
OBSERVATION OF VOLTAGES AND WAVEFORMS

- 1 Voltages read with VTVM from point shown to chassis ground. line voltage 220 volts colour bar signal
- 2 Voltages reading may vary $\pm 20\%$
- 3 The schematic shown is representative only
- 4 All waveforms are taken using a wide band oscilloscope and a low capacity probe
- 5 Check FINE TUNING BRIGHTNESS CONTRAST and COLOUR controls for best picture. make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position
- 6 Waveforms are taken using a standard colour bar signal

VALUE OF

- 1 Resistance
- 2 Unless oth
- 3 Unless oth

U501 SECAM CHRO



NOTES:

D C resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit. The circuits are subject to change without notice.

• : Solder links

EXPRESSION

VALUE OF RESISTOR CAPACITOR and INDUCTOR

Resistance is shown in ohm k=1 000 M=1 000 000

Unless other wise noted in schematic all capacitor values less than 1 are expressed in μF and the values more than 1 in pF

Unless otherwise noted in schematic all inductor values more than 1 are expressed in μH and the values less than 1 in H

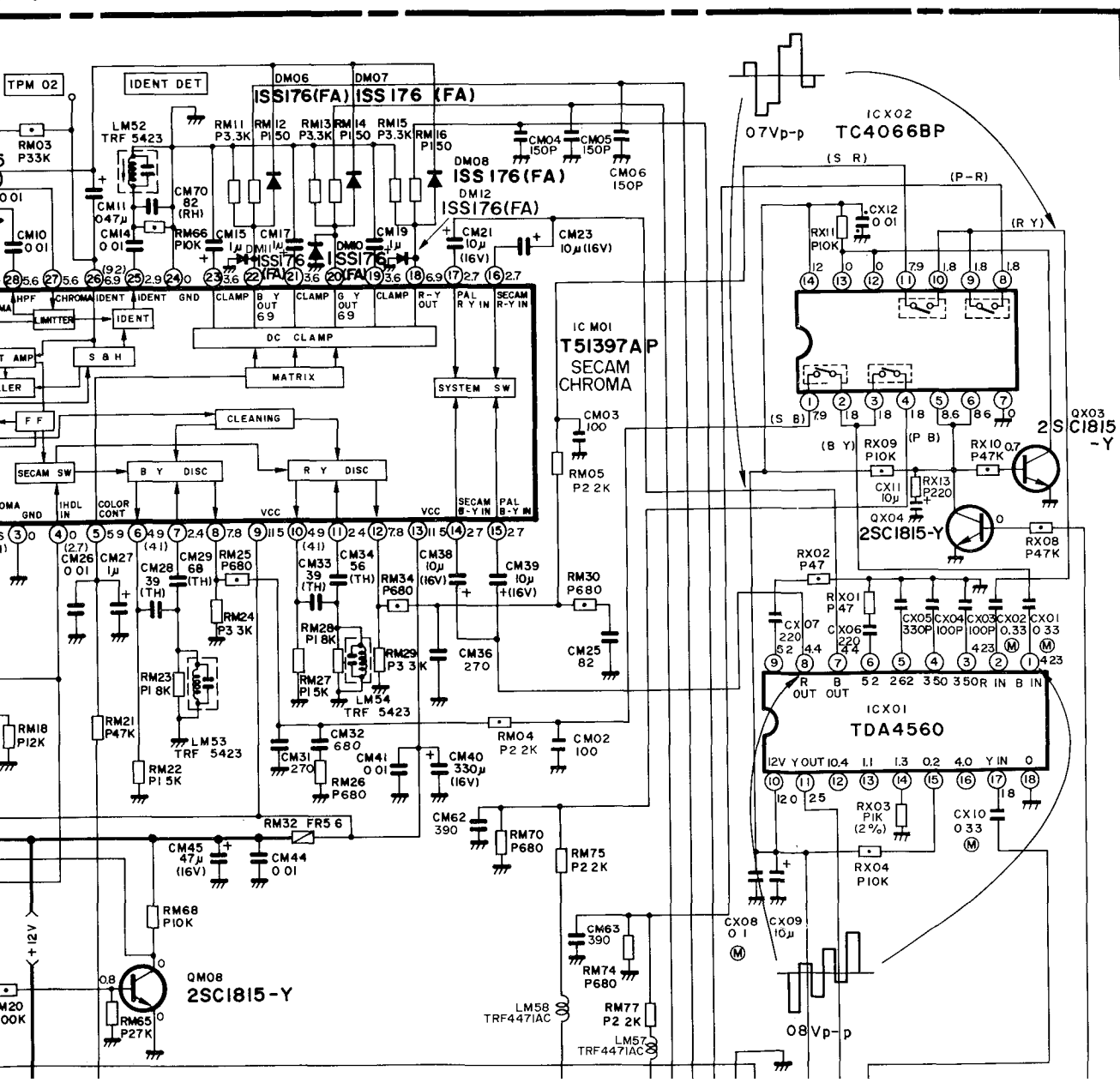
RESISTOR

Table 1

Type	Mark
Carbon Composition	S
Oxide Metal Film	R
Insulated Carbon Film	P
Wire Wound	W
Cement	No Mark
Variable Resistor	
Positive Thermistor	
Negative Thermistor	
Fusible Resistor	FR

Watt
1/16
1/8
1/6
1/4
1/2
1
2

CHROMA BOARD PW5699-1



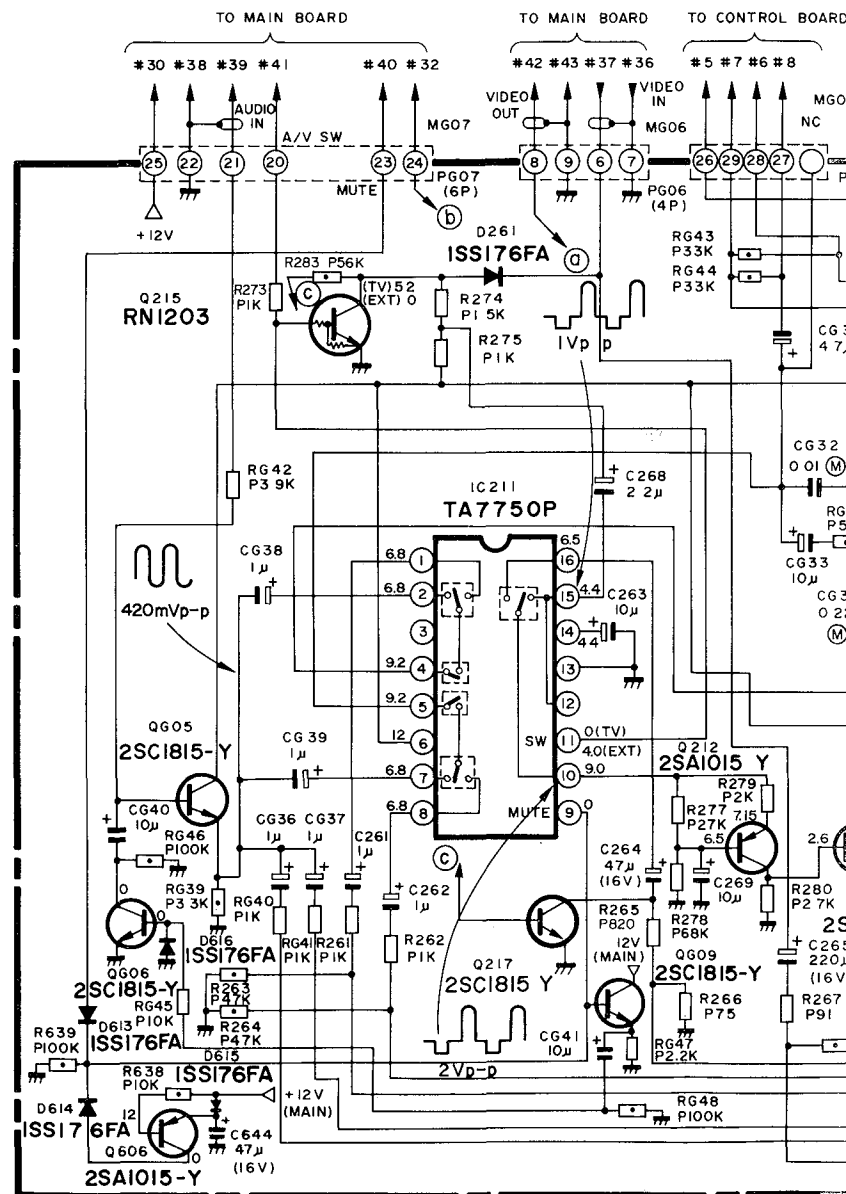
CAPACITOR

Table 2

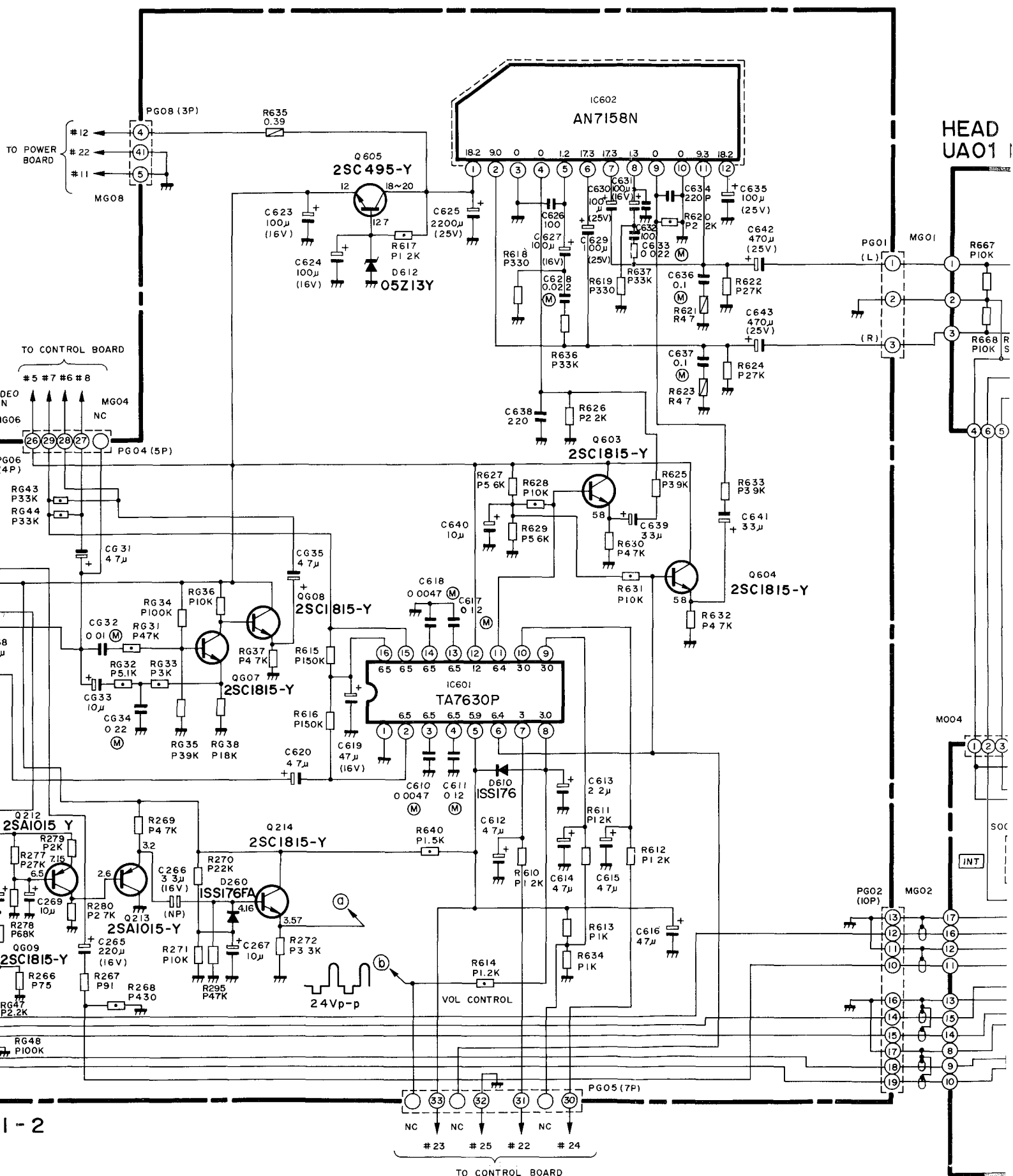
Watt	Mark	Watt	Mark
1/16 W		3 W	
1/8 W		5 W	
1/6 W		10 W	
1/4 W		15 W	
1/2 W		20 W	
1 W		25 W	
2 W			

Table 3

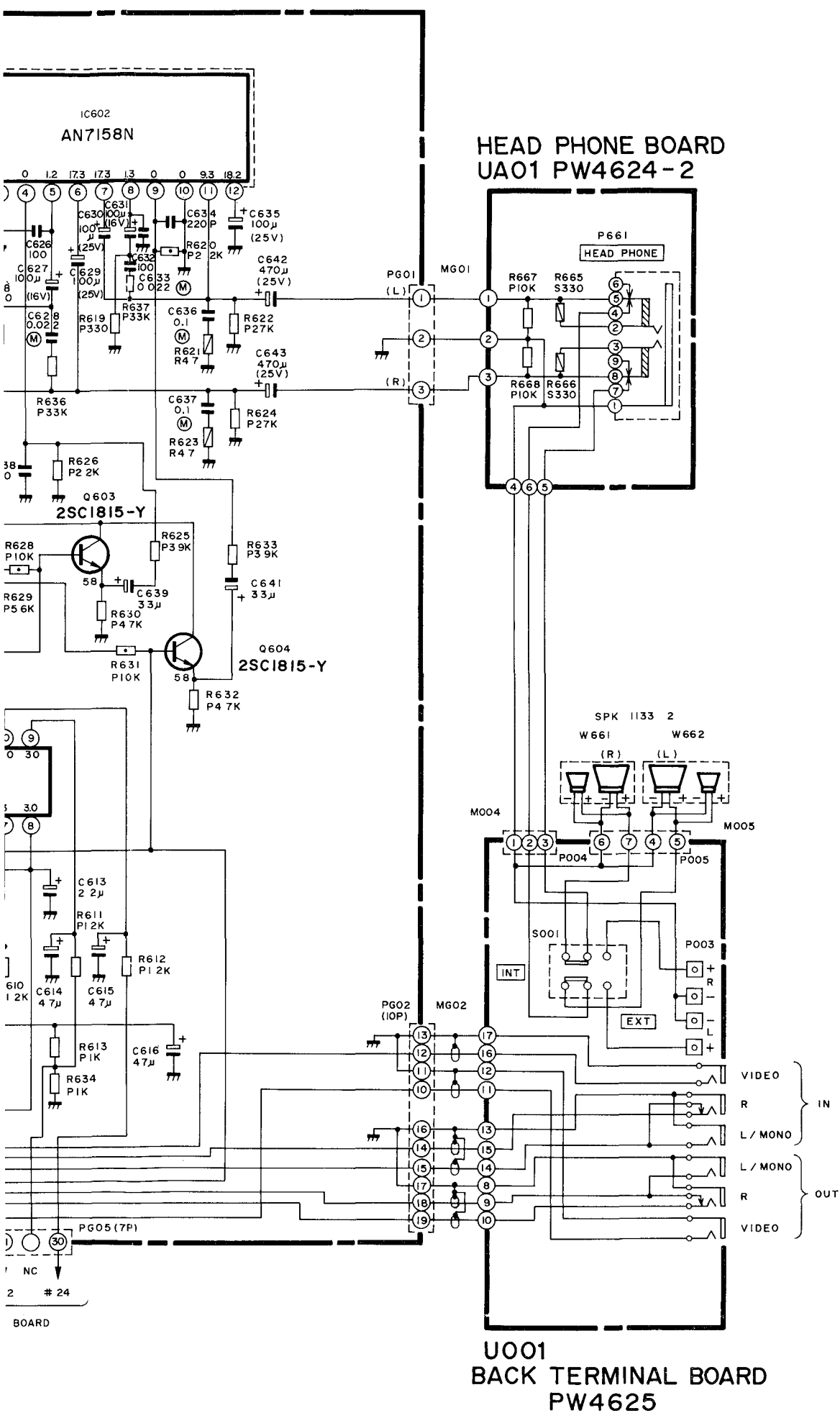
Type	Mark
Ceramic Disc 50V Only	
Electrolitic	
Electrolitic Non Polar	
Variable Capacitor	
Other	

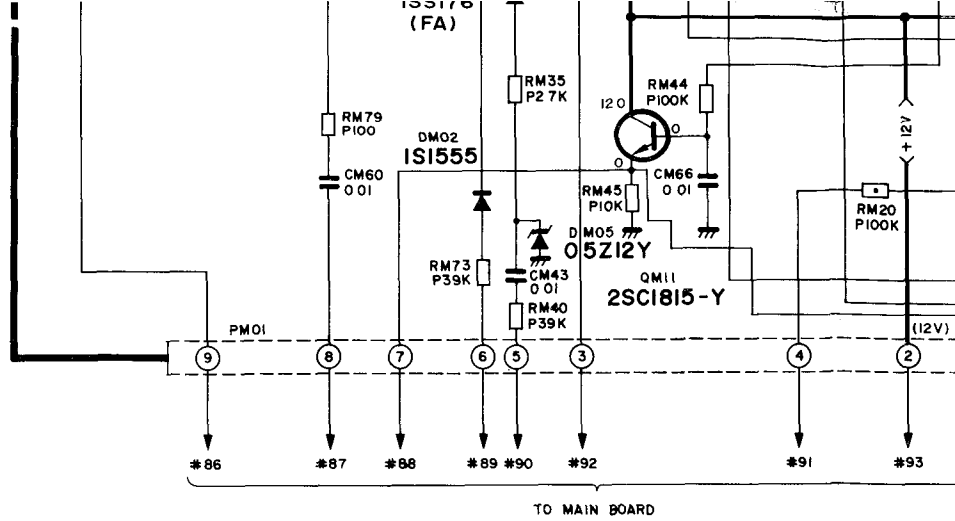


U903 A/V SOUND BOARD PW4621-2

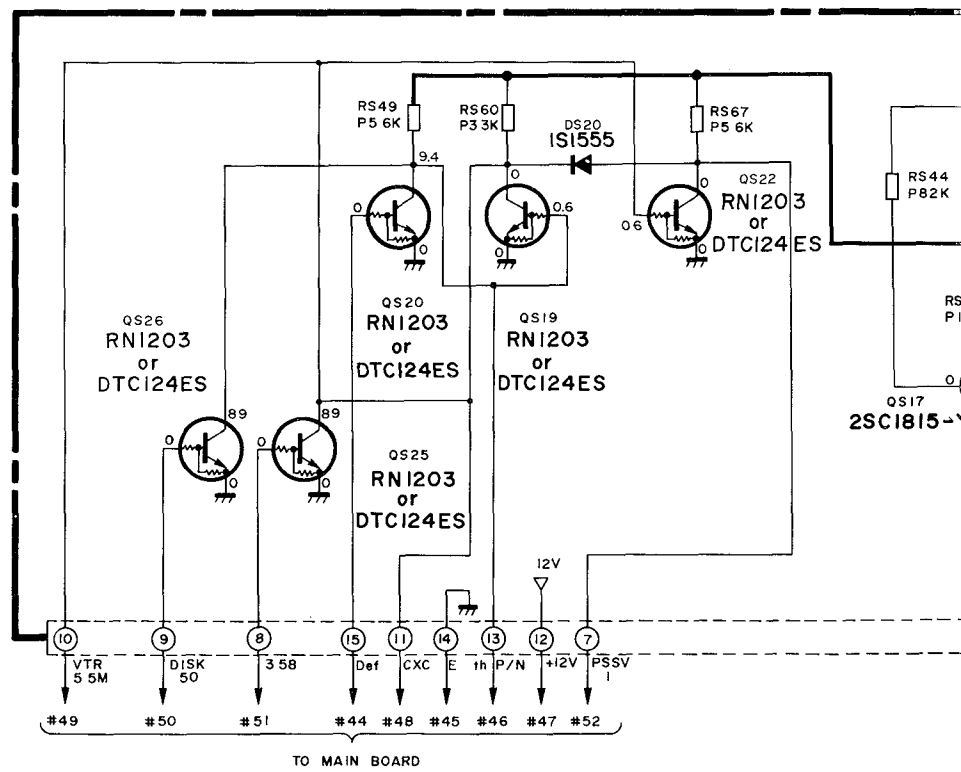


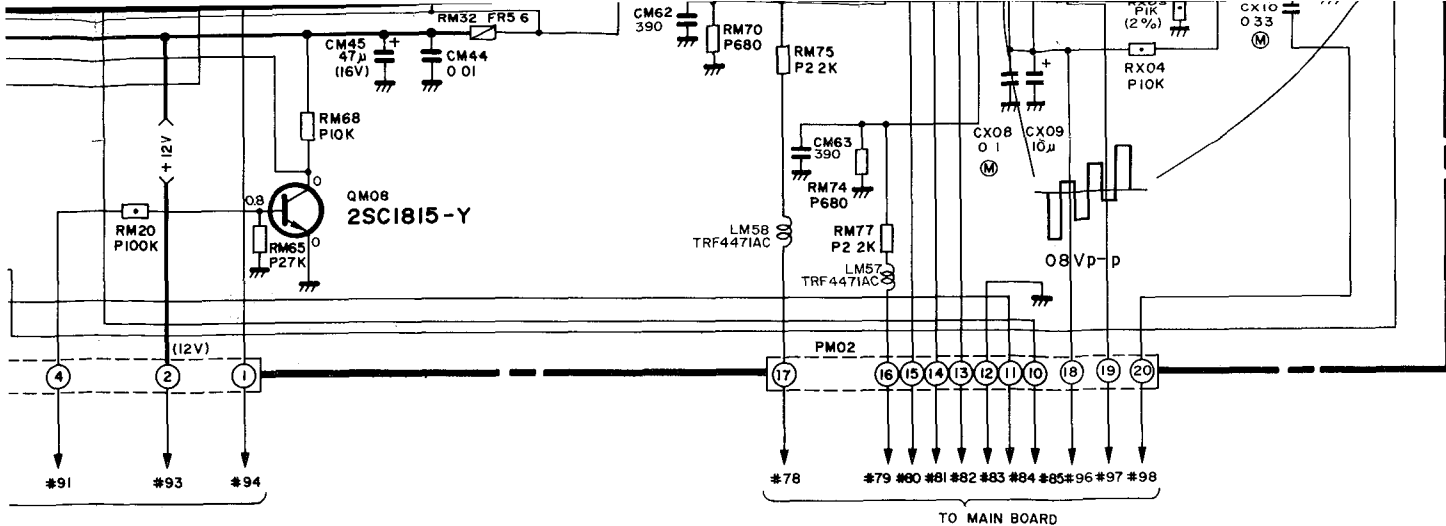
U001
BACK



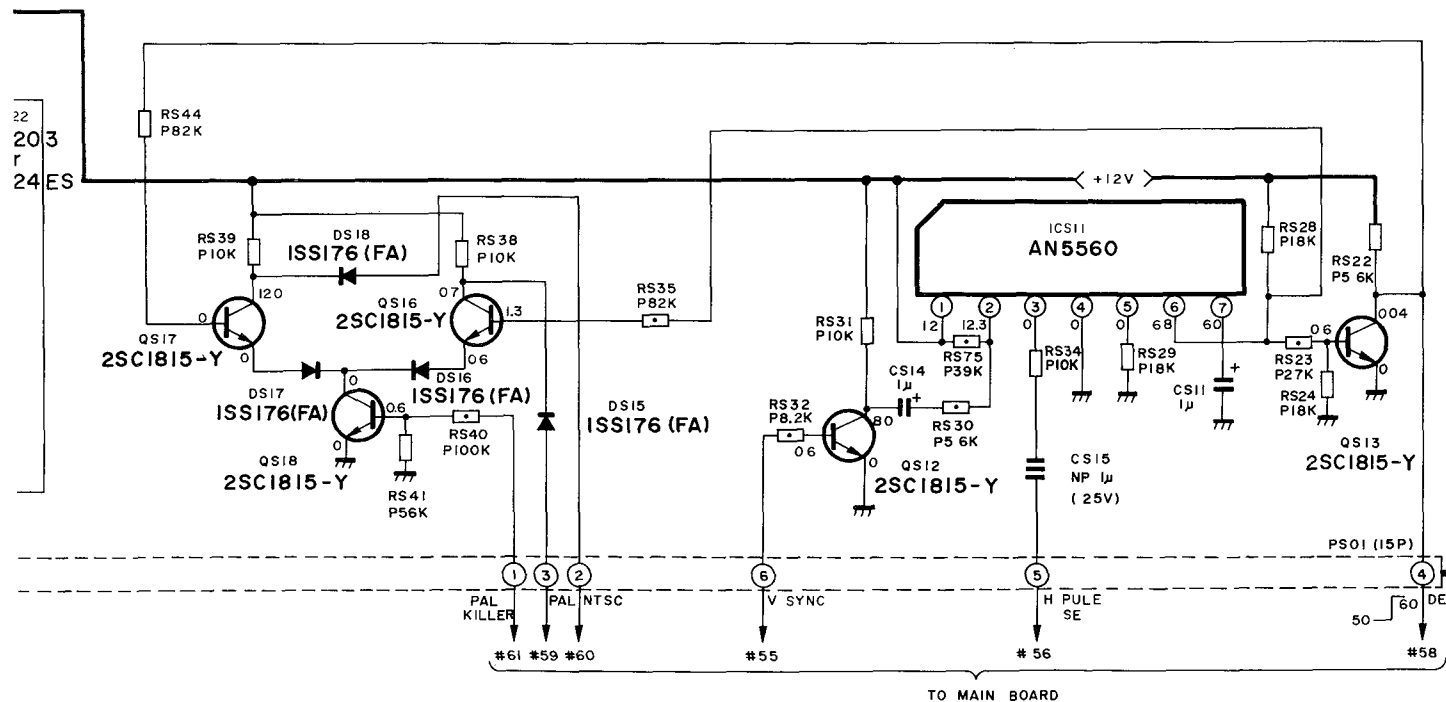


U501 SYSTEM SW BOARD PW5699-2

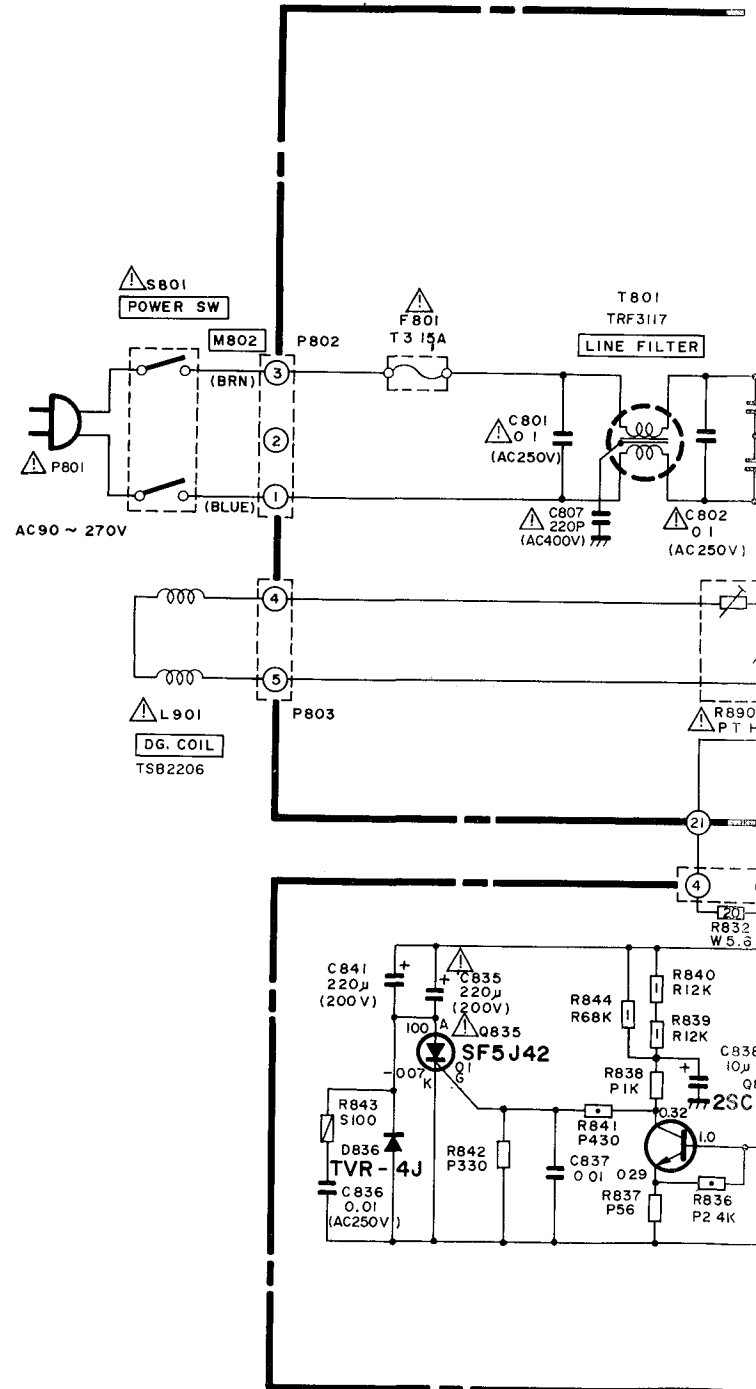




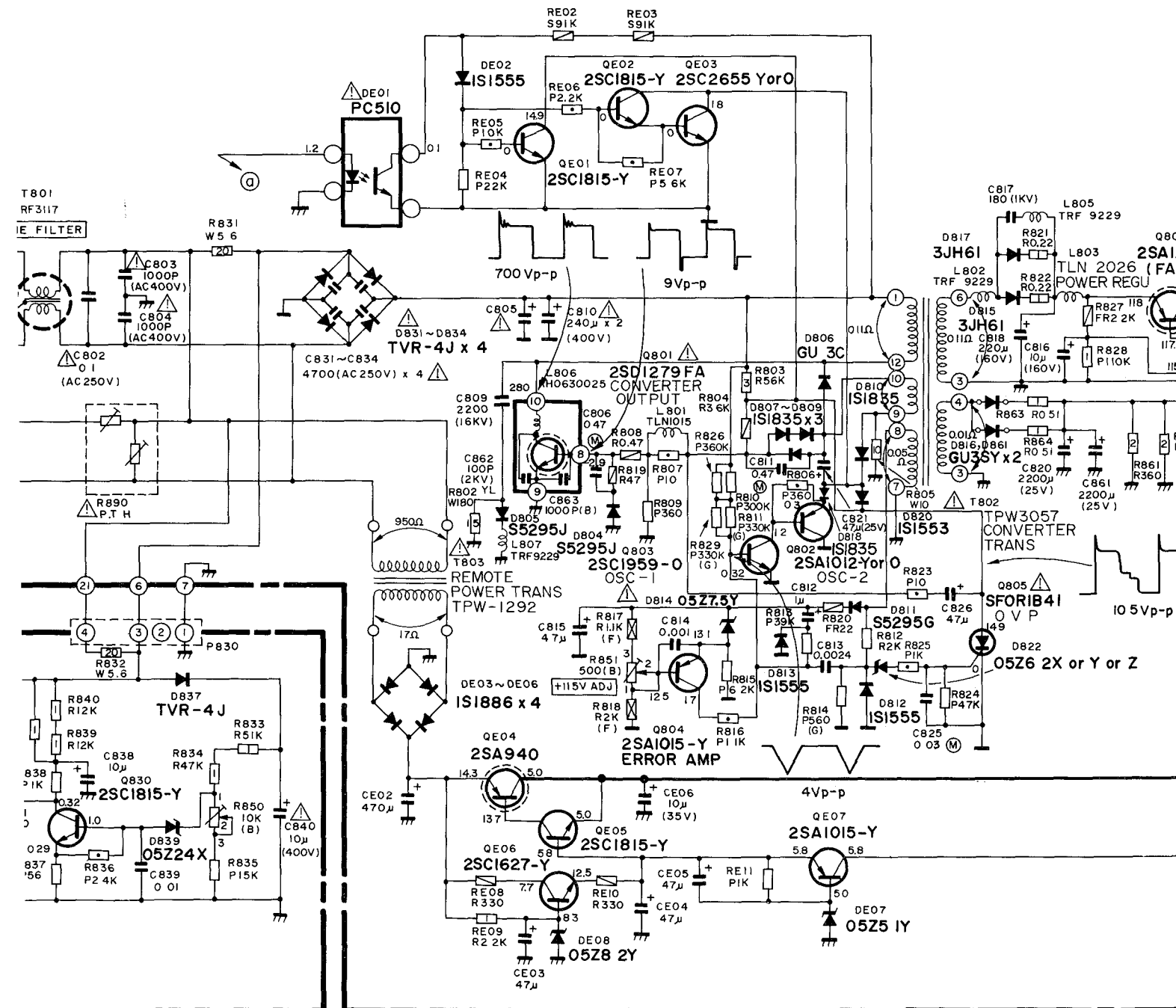
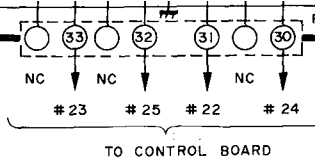
-2

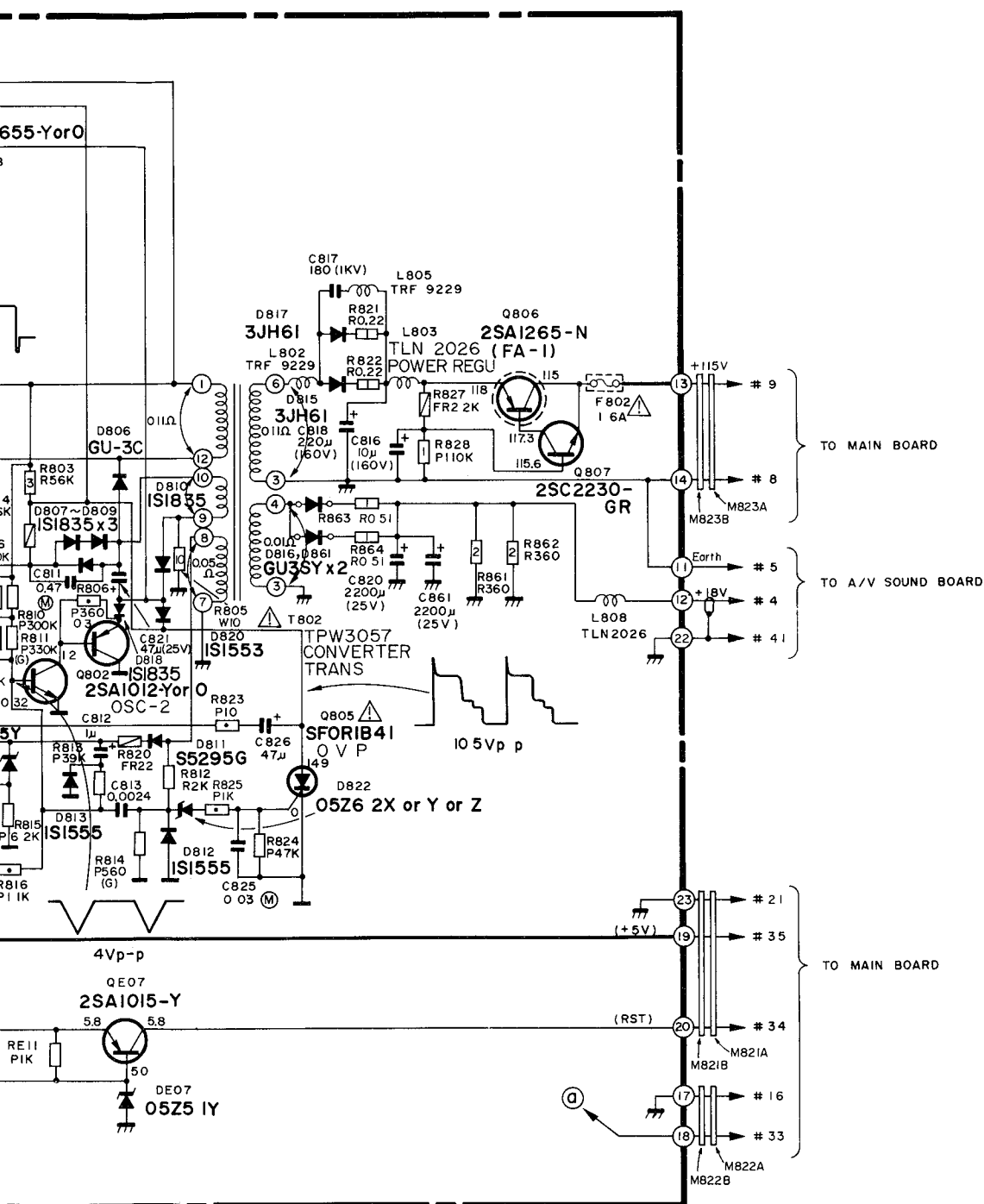


U903 A/V SOUND BOARD PW4621



U801 POWER-2 BOARD PW





PW4621-1