

**BLOCK**

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**MAURITRON SERVICES**  
8 Cherry Tree Road, Chinnor  
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Tel (01844) 351694  
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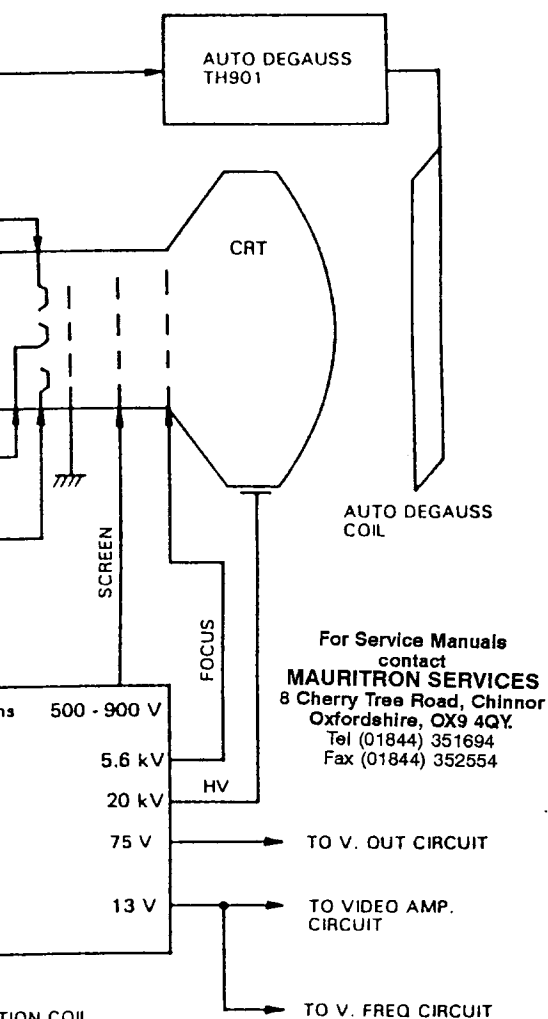
## 2. Pin assignment

Pin no.	Signal
1	Special TEXT signal (reserved for TAXAN APPLE RGB cards)
2	Red video signal
3	Green video signal
4	Blue video signal
5	Intensity signal
6	Signal ground
7	Horizontal and composite sync signals
8	Vertical sync signal



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SUPERVISION 640.



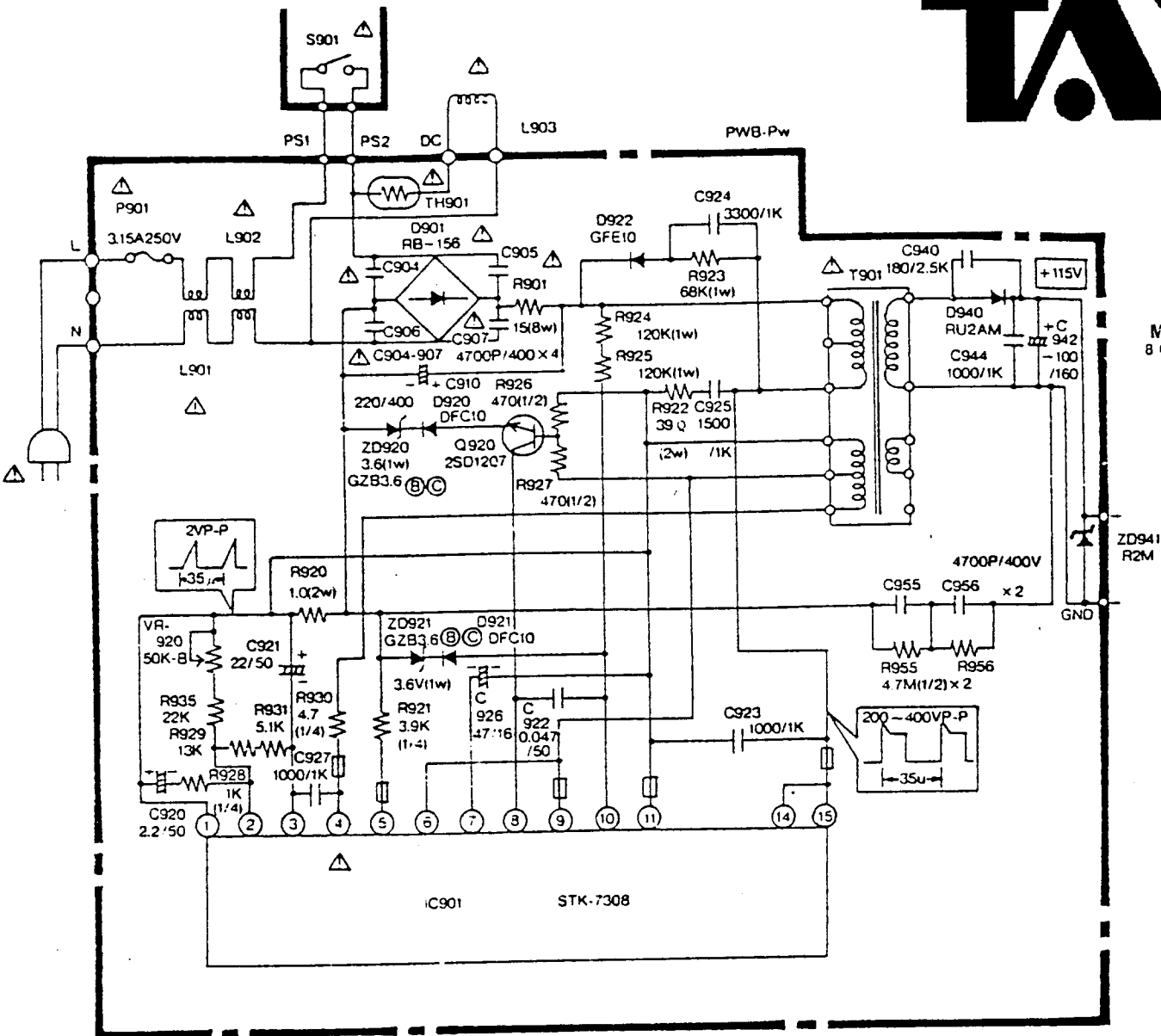
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## BLOCK DIAGRAM

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	Problems		Adjustment
1	Width of the image is not correct.		H. SIZE Wide Narrow
2	Height of the image is not correct.		V. SIZE Wide Narrow
3	Position of the image is not correct.		H. POSITION Right Left
			V. POSITION Up Down
4	The image has a diagonal stripes.		H. HOLD
5	The image moves vertically (flops).		V. HOLD
6	The image is blurred.		FOCUS
7	Character heights on the screen are not uniform.		V. LIN
8	There is no image.		CONTRAST Bright Dark
9	The screen is dark.		BRIGHT Bright Dark



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## HOW TO SET COLOR MODE

### 1. Setting the color mode

The color mode switch (a five-switch DIP unit) is on the rear panel. Set it as follows according to your computer.

(1) IBM mode

Color mode switch	Computer
<div style="text-align: center;">OPEN</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div>	IBM AT IBM XT IBM PC IBM PCjr

(2) APPLE color mode

Color mode switch	Computer
<div style="text-align: center;">OPEN</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div>	• APPLE II Plus (APPLE II+) • APPLE IIe, IIc APPLE III

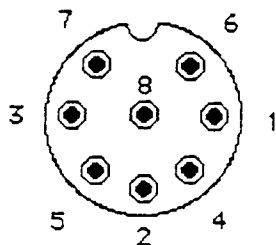
(3) Standard color mode

Color mode switch	Computer
<div style="text-align: center;">OPEN</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: white;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; background-color: black;"></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div>	Japanese computer

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## PIN CONNECTIONS (8 Pin DIN Connector)

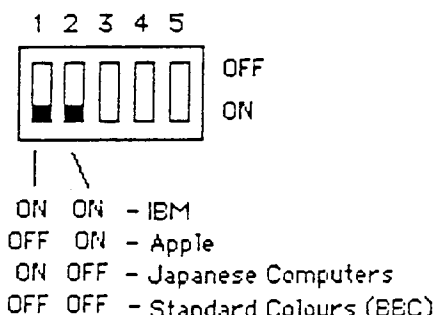


- Pin 1 TXTN signal (disables text switch)
- Pin 2 Red video (TTL)
- Pin 3 Green video (TTL)
- Pin 4 Blue video (TTL)
- Pin 5 Intensity (TTL)
- Pin 6 Ground
- Pin 7 Composite sync (or horizontal sync if separate syncs are required)
- Pin 8 Vertical sync

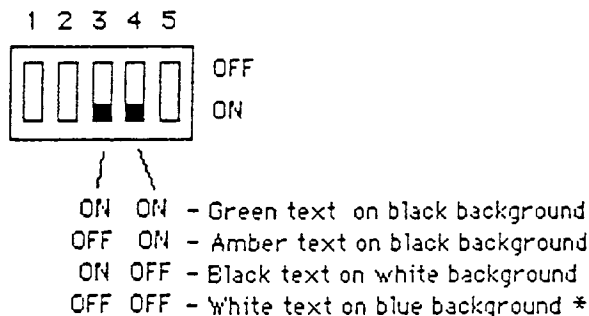
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DIP Switch Settings for all models except Supervision 625 where only three switches are present since text mode colour is selected from the front panel.

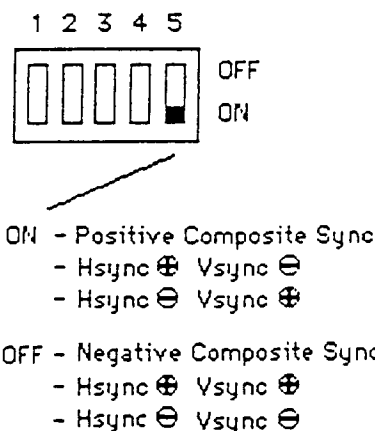
### 1. Colour Mode



### 2. Text mode screen colours



### 3. Sync Polarity



**Supervision 625** has only three switches. Switches 1 & 2 select Colour mode as above. Switch 3 selects sync polarity as in Switch 5 above

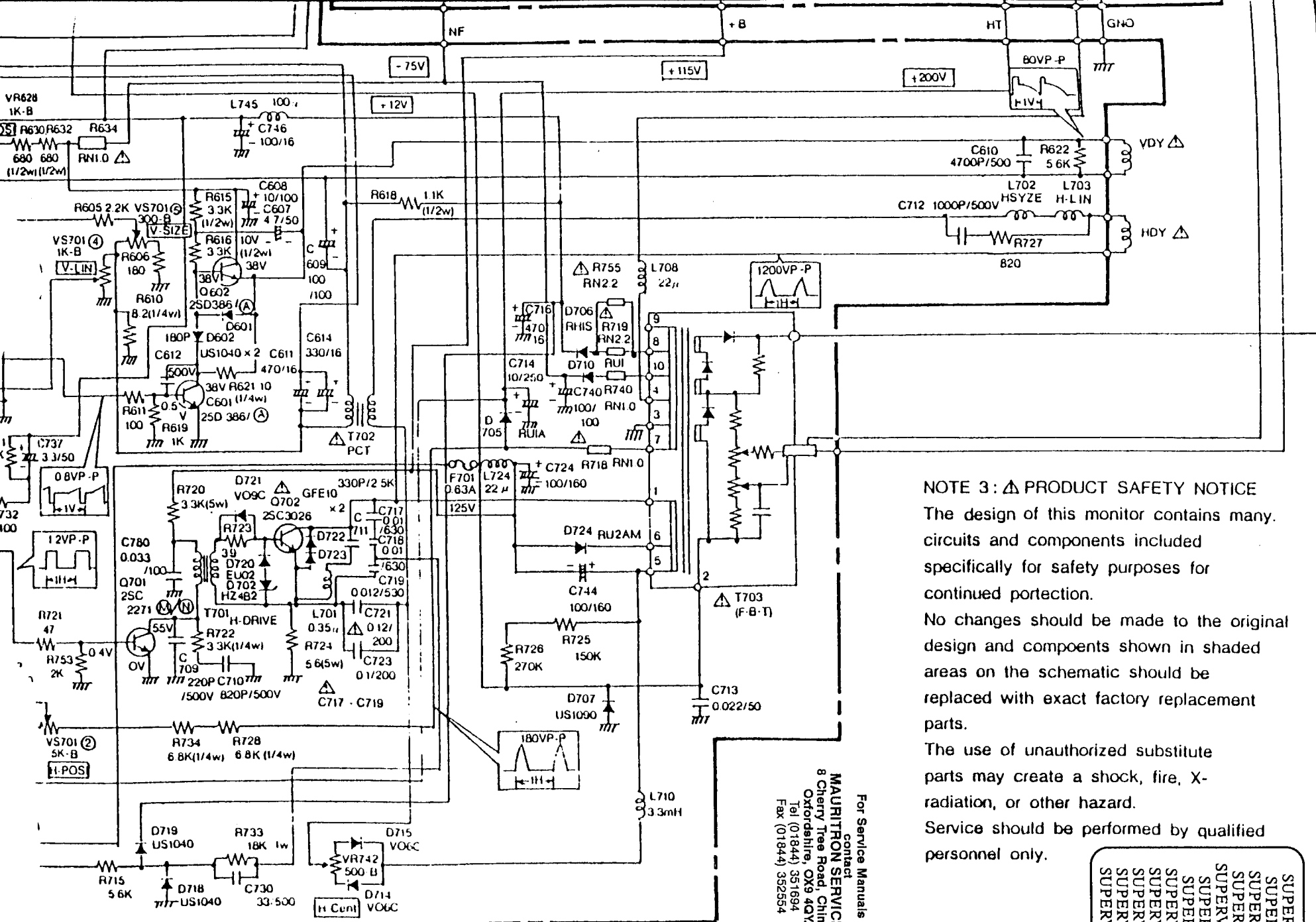
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flows according to

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**NOTE 3: PRODUCT SAFETY NOTICE**  
 The design of this monitor contains many circuits and components included specifically for safety purposes for continued protection.  
 No changes should be made to the original design and components shown in shaded areas on the schematic should be replaced with exact factory replacement parts.  
 The use of unauthorized substitute parts may create a shock, fire, X-radiation, or other hazard.  
 Service should be performed by qualified personnel only.

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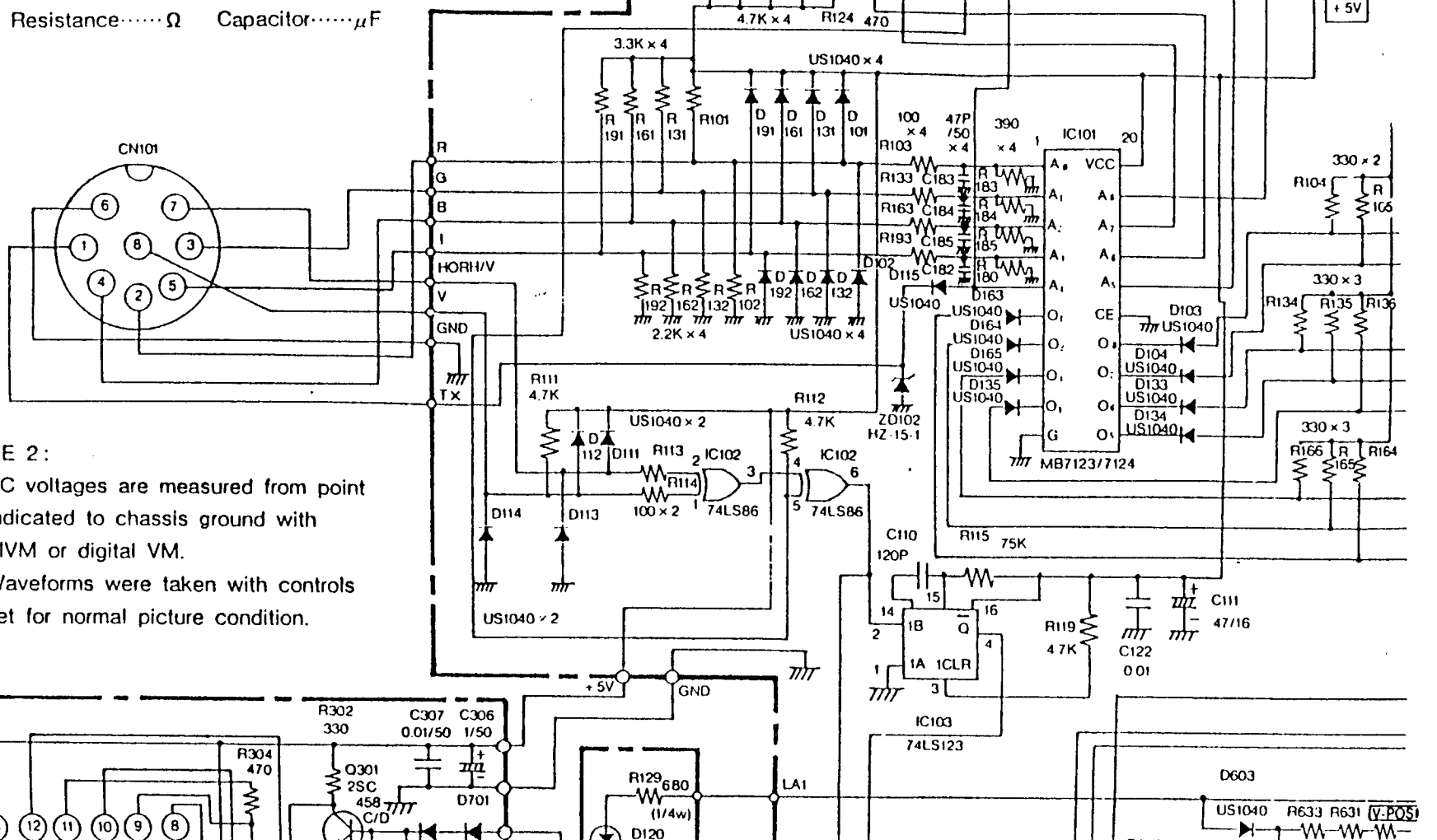
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## SCHEMATIC DIAGRAM

### NOTE 1:

The unit of resistance and capacitor is  
as follows, unless otherwise noted.

Resistance..... $\Omega$  Capacitor..... $\mu F$



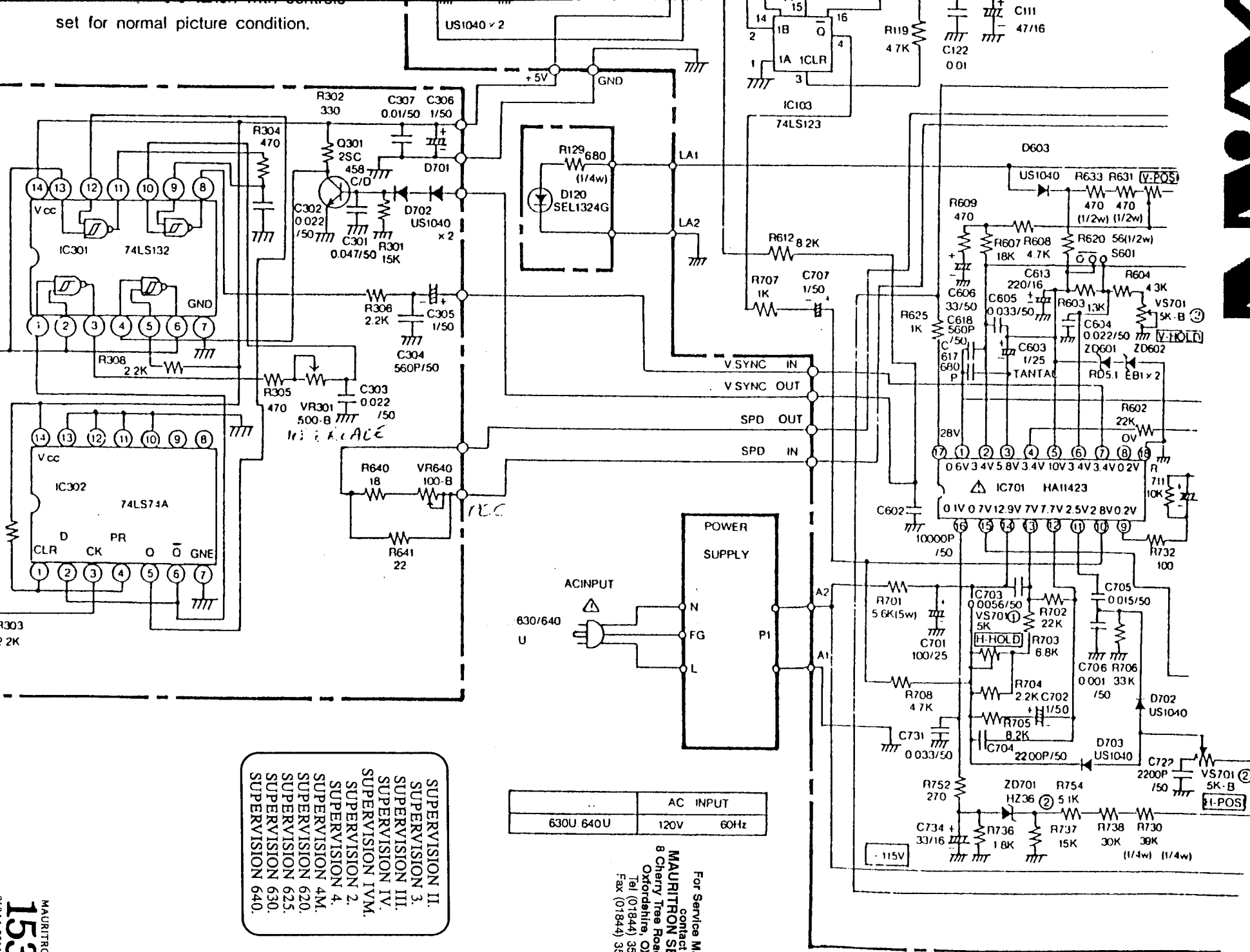
### NOTE 2:

1. DC voltages are measured from point indicated to chassis ground with VIVM or digital VM.
2. Waveforms were taken with controls set for normal picture condition.

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# T.V.X.A.

set for normal picture condition.



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