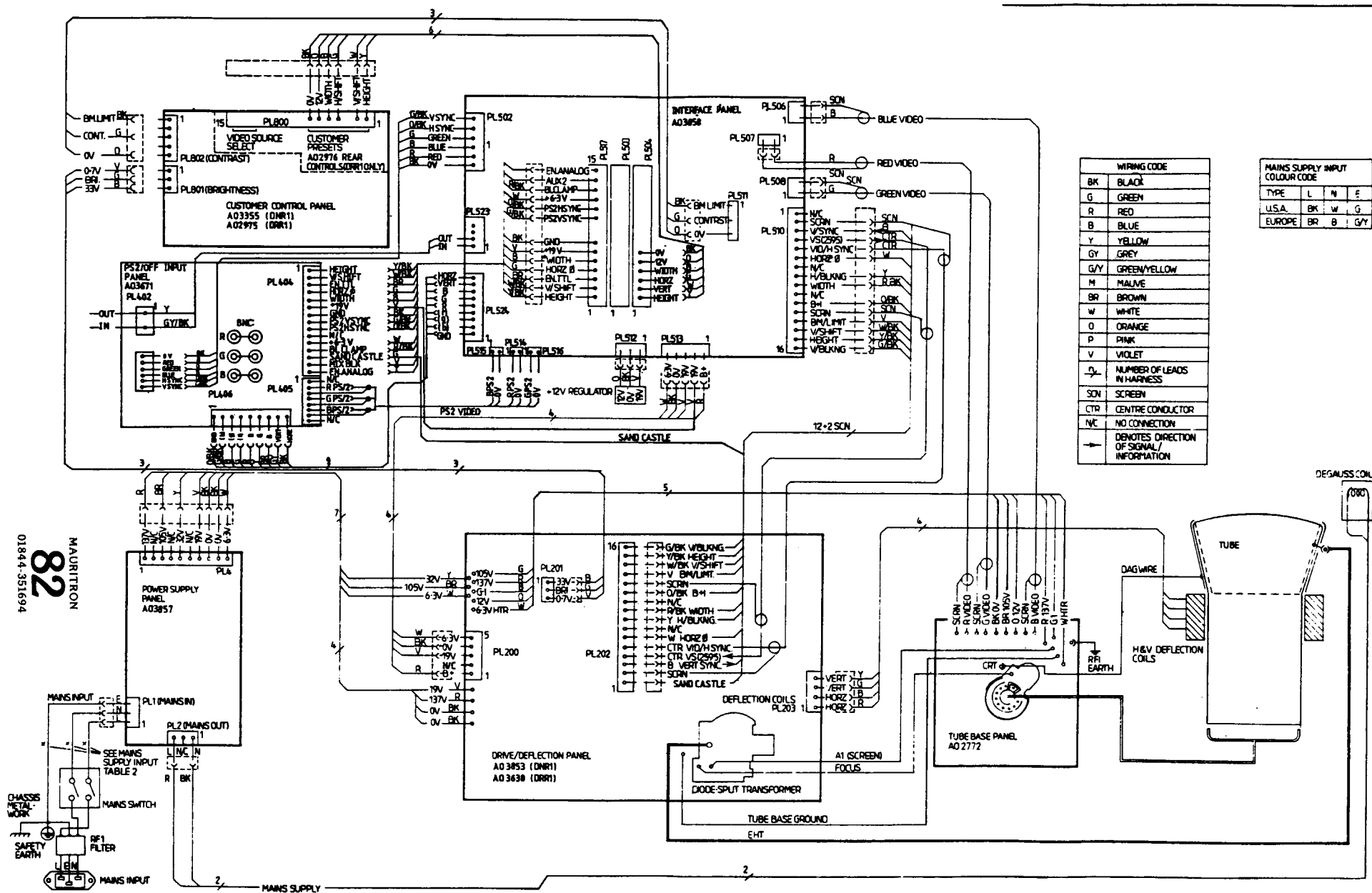
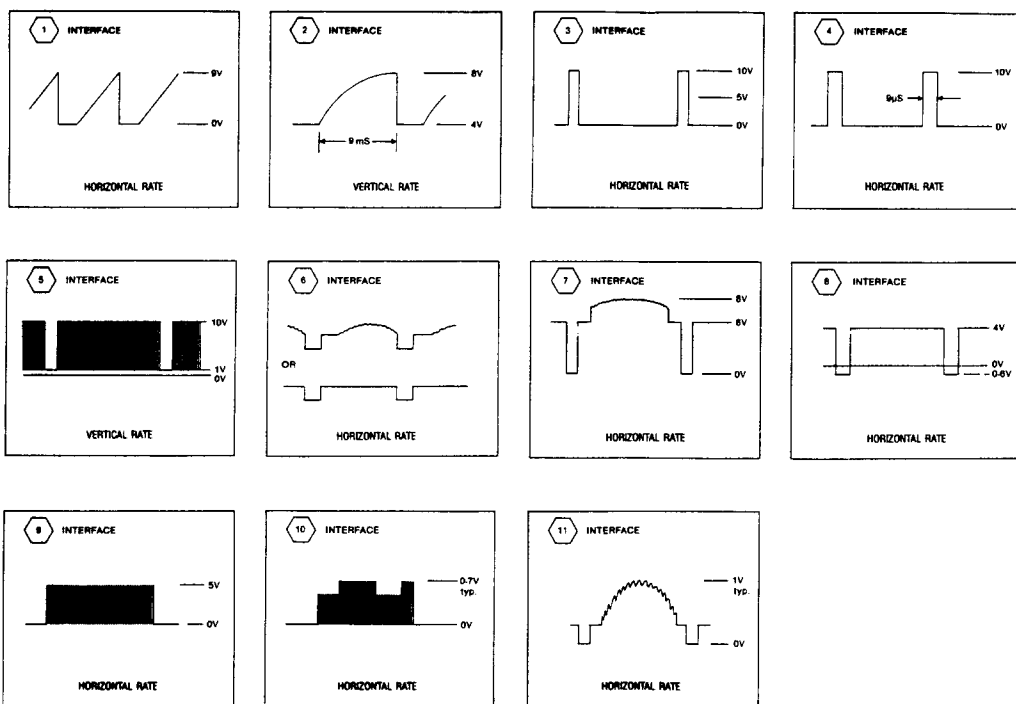


RIES 7 MK 2.
RRIES 7 MK 2.



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82
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SAFETY AND ISOLATION!

The power supply is always live regardless of the mains supply polarity. Therefore for servicing, the monitor should be supplied through a mains Isolation Transformer of at least 300VA rating. (See 'SAFETY NOTES' in SERVICE MANUAL).

SAFETY CRITICAL COMPONENTS

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FAILURE TO OBSERVE THE ABOVE MAY RENDER THE CHASSIS AND EXTERNAL ACCESSIBLE PARTS LIVE, OR CAUSE OTHER HAZARDS!

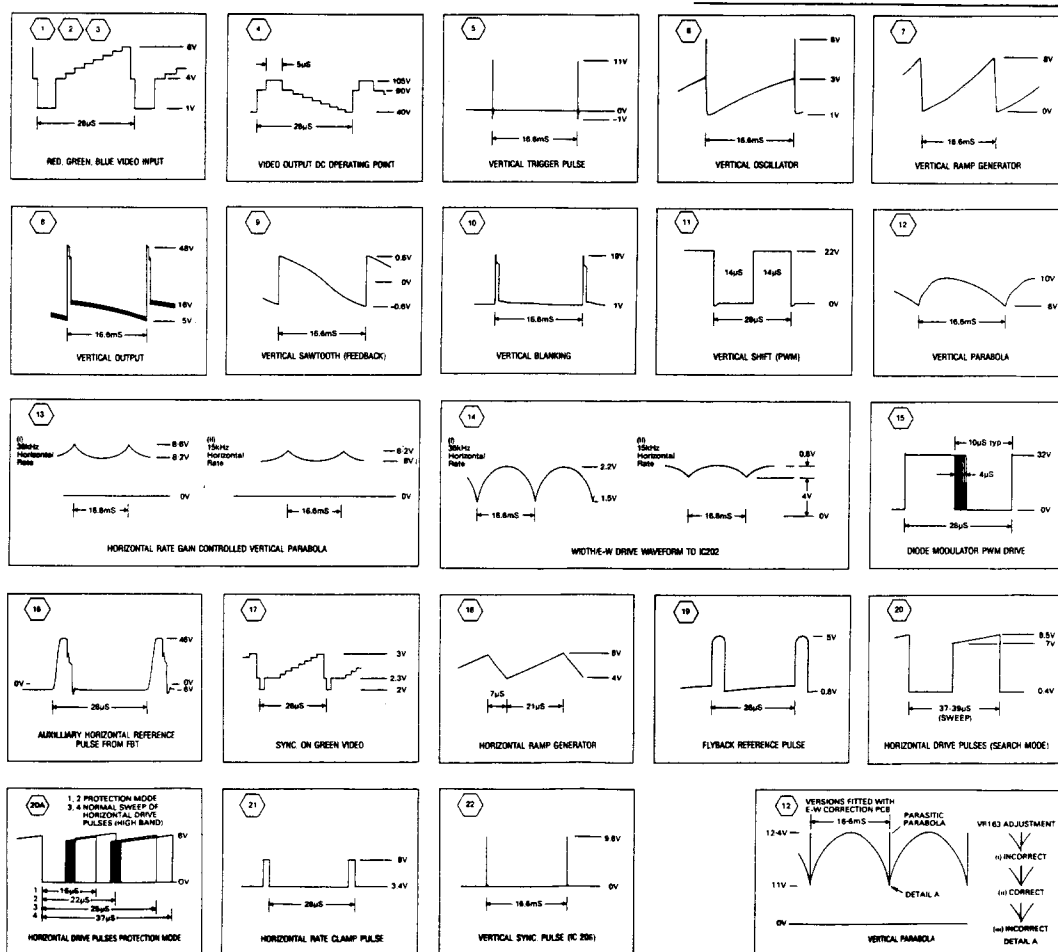
WAVEFORM MEASUREMENT POINTS

Waveform points are denoted thus Δ

- 1) The numerical reference point on the circuit diagram relates to the corresponding numbered display on the accompanying table.
- 2) Waveform measurements were made using an oscilloscope of 20MHz minimum bandwidth and a ± 10 or ± 100 passive probe.

TYPICAL VOLTAGES - MEASUREMENT POINTS

- 1) Voltages denoted thus Δ 3.0V on the circuit diagram, are typical voltages only, and were measured using a high input impedance D.V.M.
- 2) Alternatively, Analogue meters of 20 K Ω /Volt minimum can be used.



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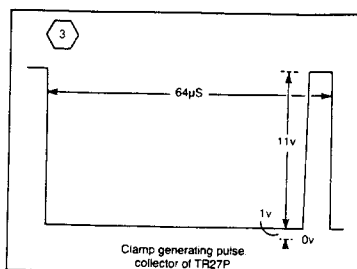
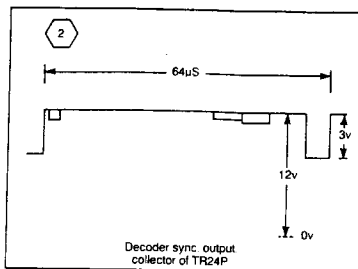
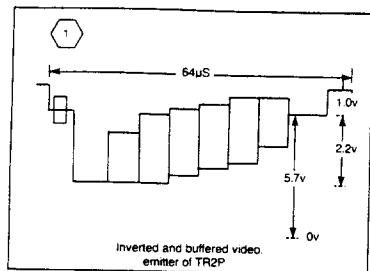
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MAURITRON

83

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DRIVE/DEFLECTION PCB WAVEFORMS

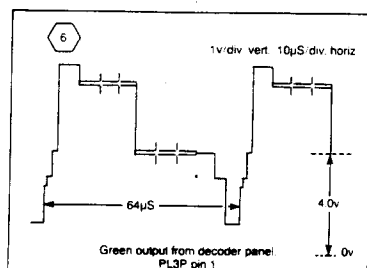
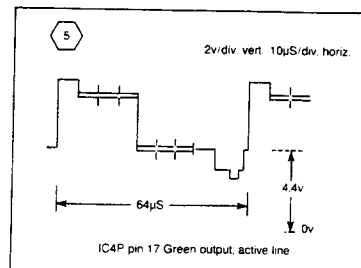
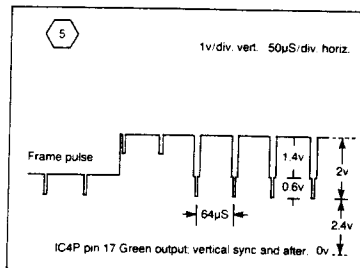
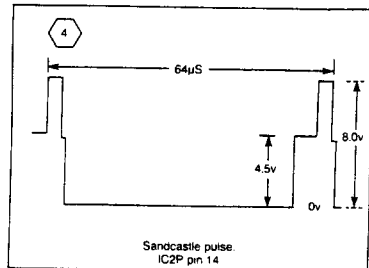


WAVEFORM MEASUREMENT POINTS

- Waveform points are denoted thus 3
- The numerical reference point on the circuit diagram relates to the corresponding numbered display on the accompanying table.
 - Waveform measurements were made using an oscilloscope of 20MHz minimum bandwidth and a +10 or -100 passive probe.

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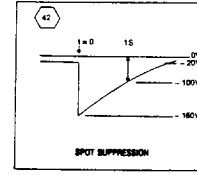
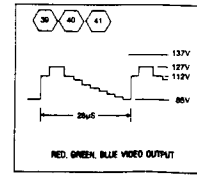
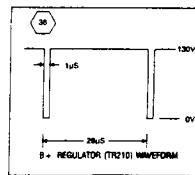
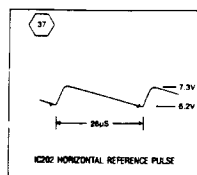
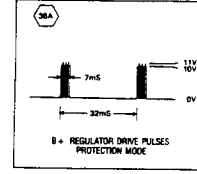
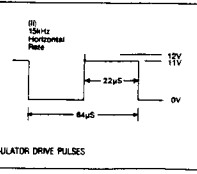
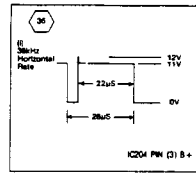
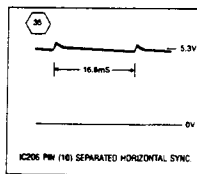
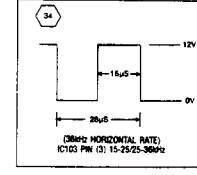
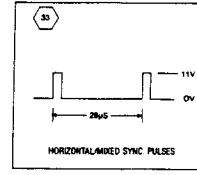
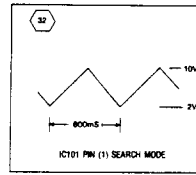
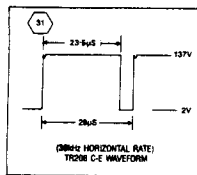
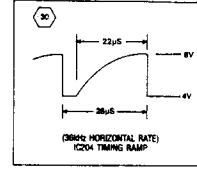
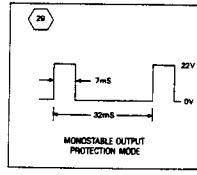
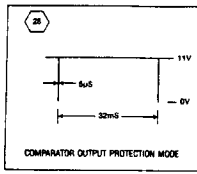
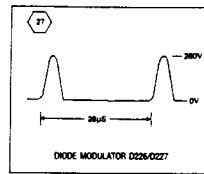
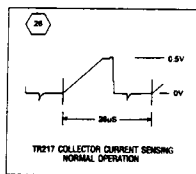
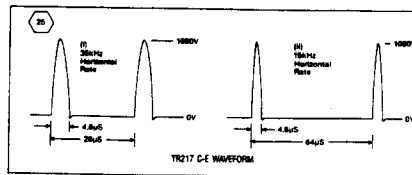
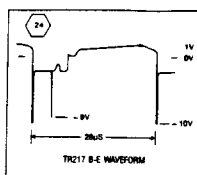
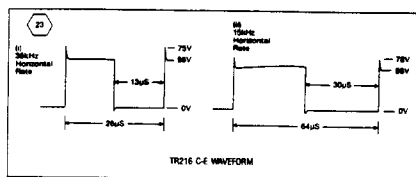


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12 L 71 DNR 1.
2 L 71 DNS 3.
2 L 72 DNR 1.
2 L 72 DRR 1.
2L71DNR1.
2L71DNS3.
2L72DNR1.
2L72DRR1.
4 H 717 TS 2 U.
4 H 727 TS 2 E.
4H717TS2U.
4H727TS2E.
0 H 718 ES 23.
0 H 727 ES 23.
0 H 728 ES 2.
0 L 718 ES 2.
0 L 728 ES 2.
0H718ES2.
0H727ES23.
0H728ES2.
0L718ES2.
0L728ES2.
604.
7 SERIES MK 2.
704.
705.
CMV-125MV.
SERIES 7 MK 2.

DECODER PANEL WAVEFORMS



SAFETY AND ISOLATION:

The power supply is always live regardless of the mains supply polarity. Therefore for servicing, the monitor should be supplied through a mains isolation Transformer of at least 300VA rating. (See 'SAFETY NOTES' in SERVICE MANUAL).

SAFETY CRITICAL COMPONENTS

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WAVEFORM MEASUREMENT POINTS

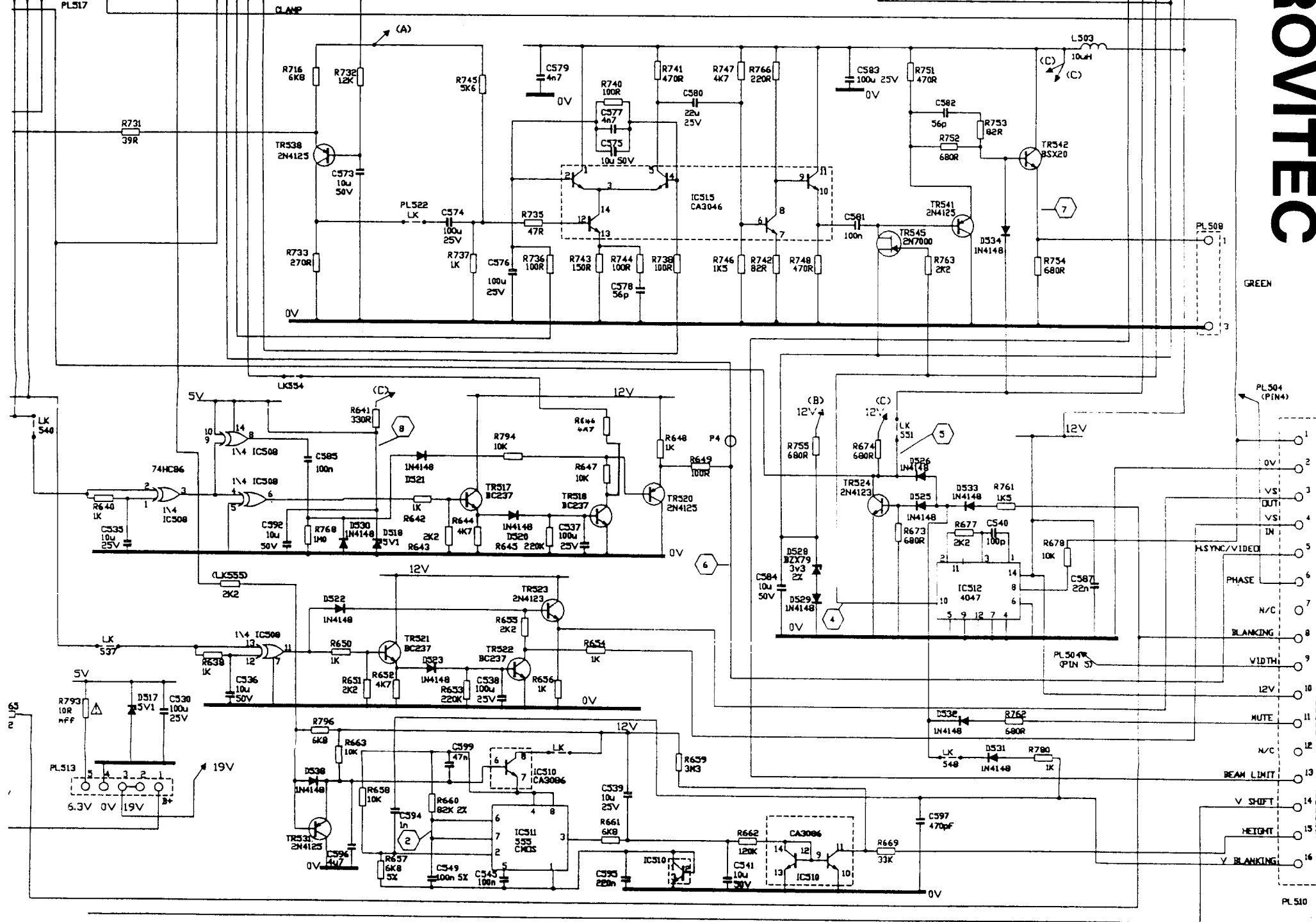
- Waveform points are denoted thus 3
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TYPICAL VOLTAGES — MEASUREMENT POINTS

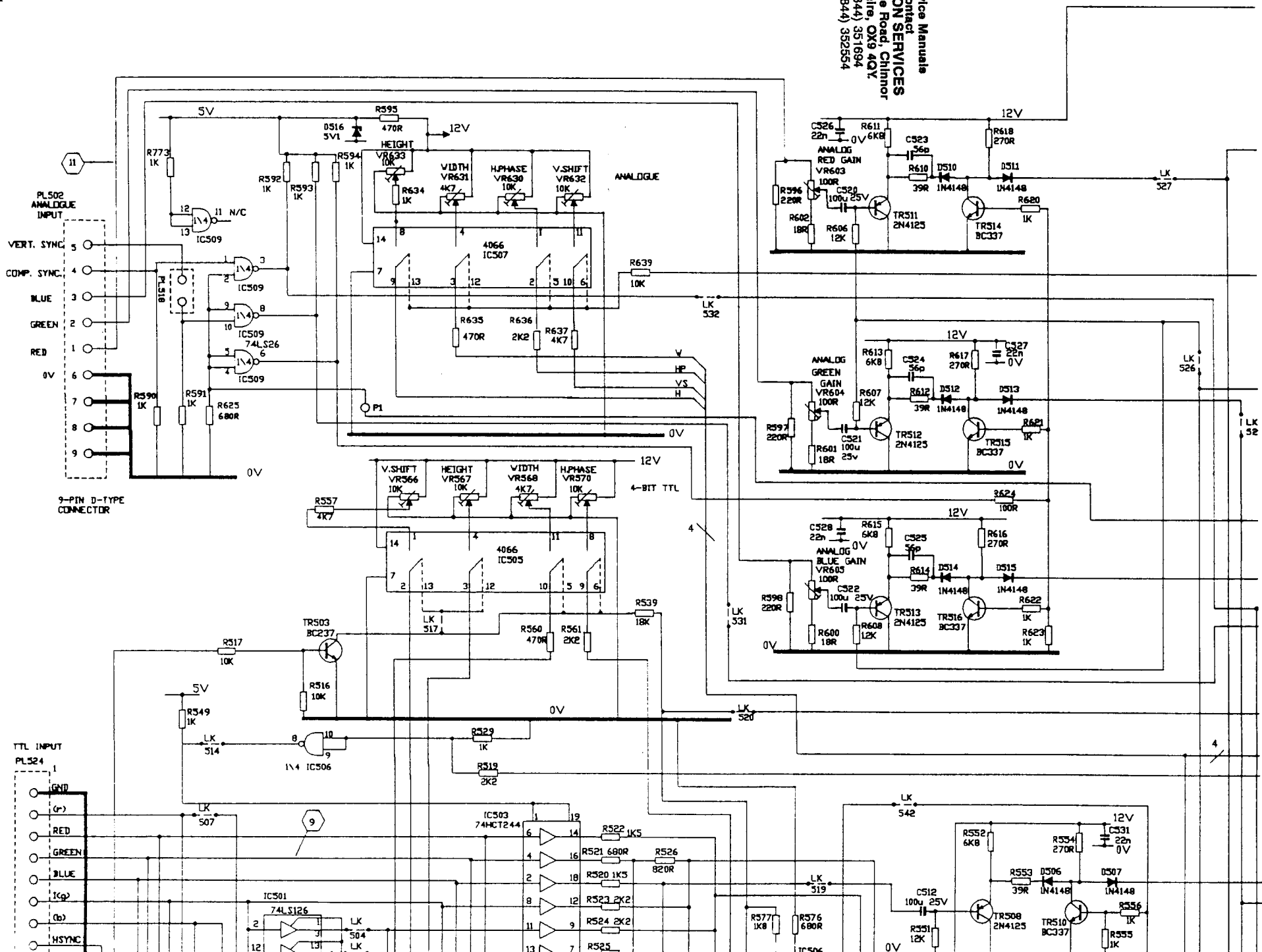
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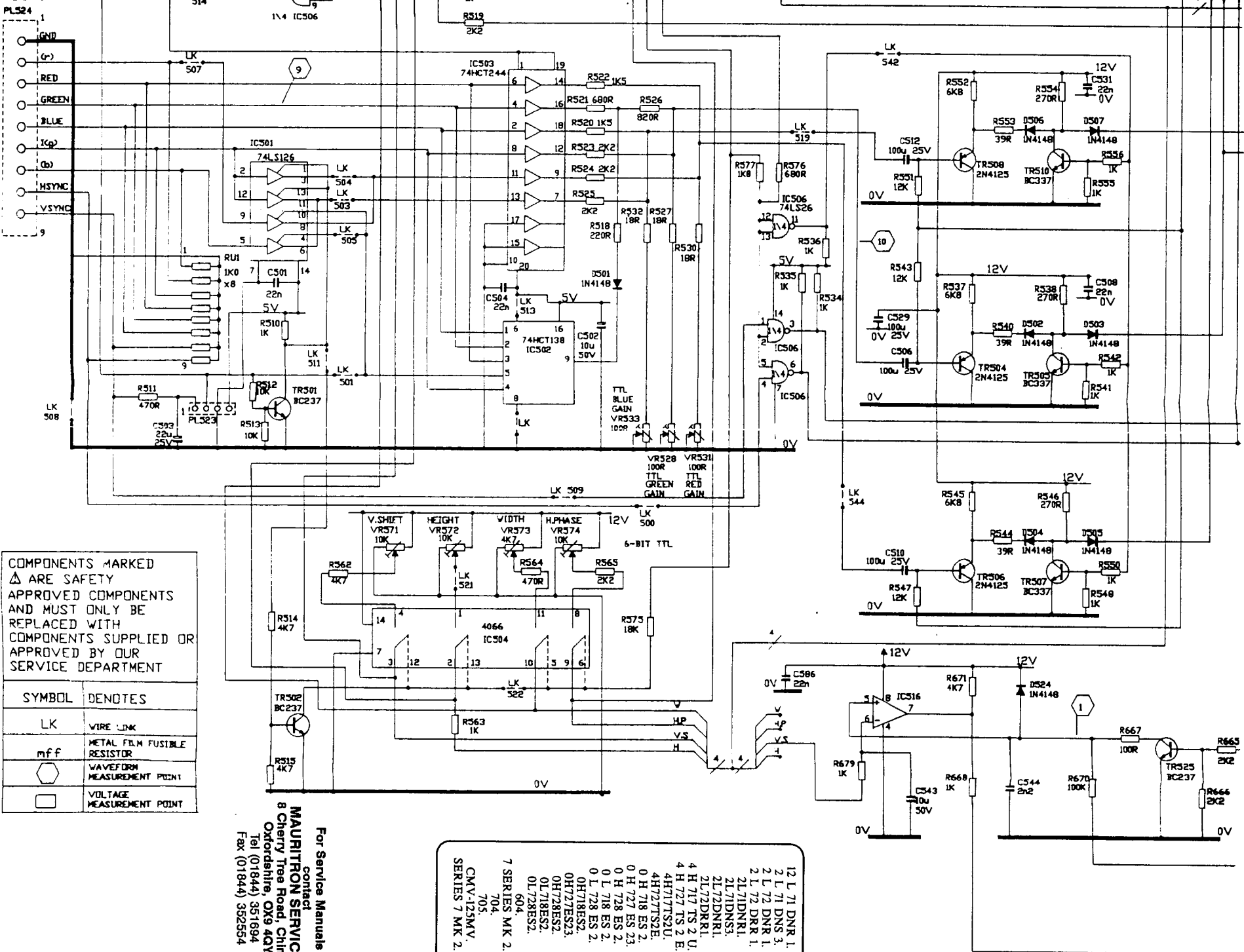
DRIVE/DEFLECTION PCB WAVEFORMS





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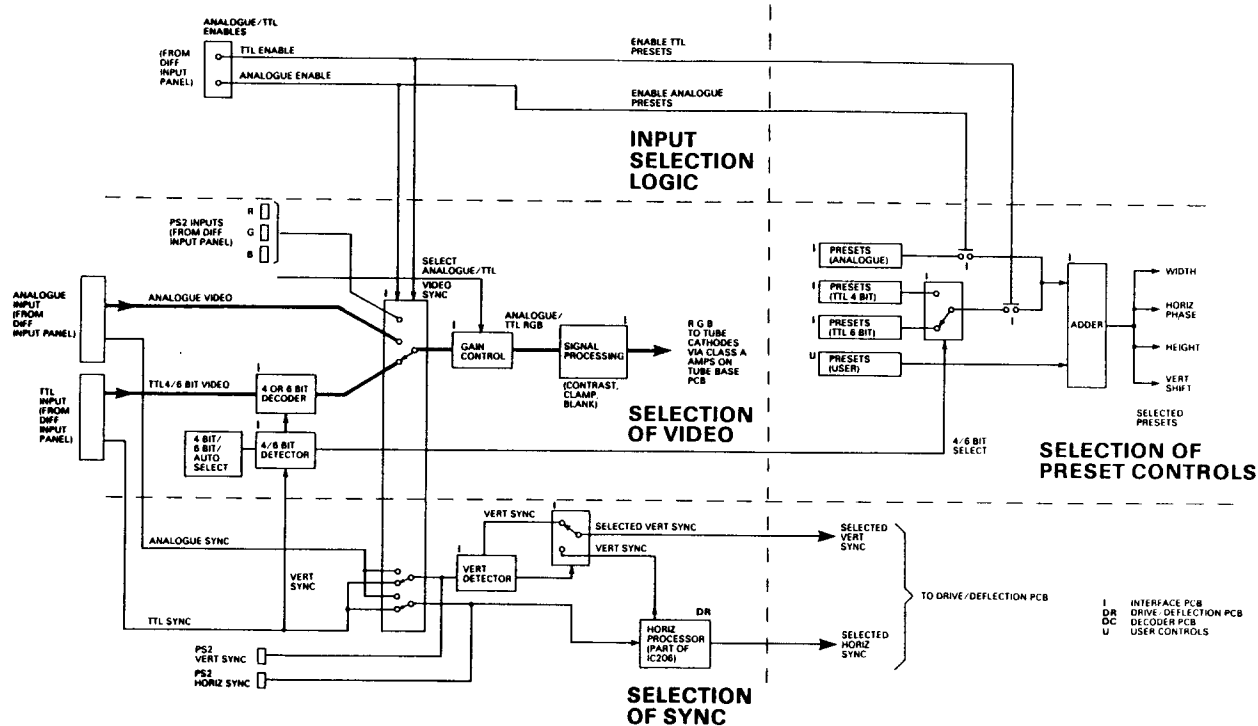


COMPONENTS MARKED
 Δ ARE SAFETY
 APPROVED COMPONENTS
 AND MUST ONLY BE
 REPLACED WITH
 COMPONENTS SUPPLIED OR
 APPROVED BY OUR
 SERVICE DEPARTMENT

SYMBOL	DENOTES
LK	WIRE LINK
mff	METAL FILM FUSIBLE RESISTOR
	WAVEFORM MEASUREMENT POINT
	VOLTAGE MEASUREMENT POINT

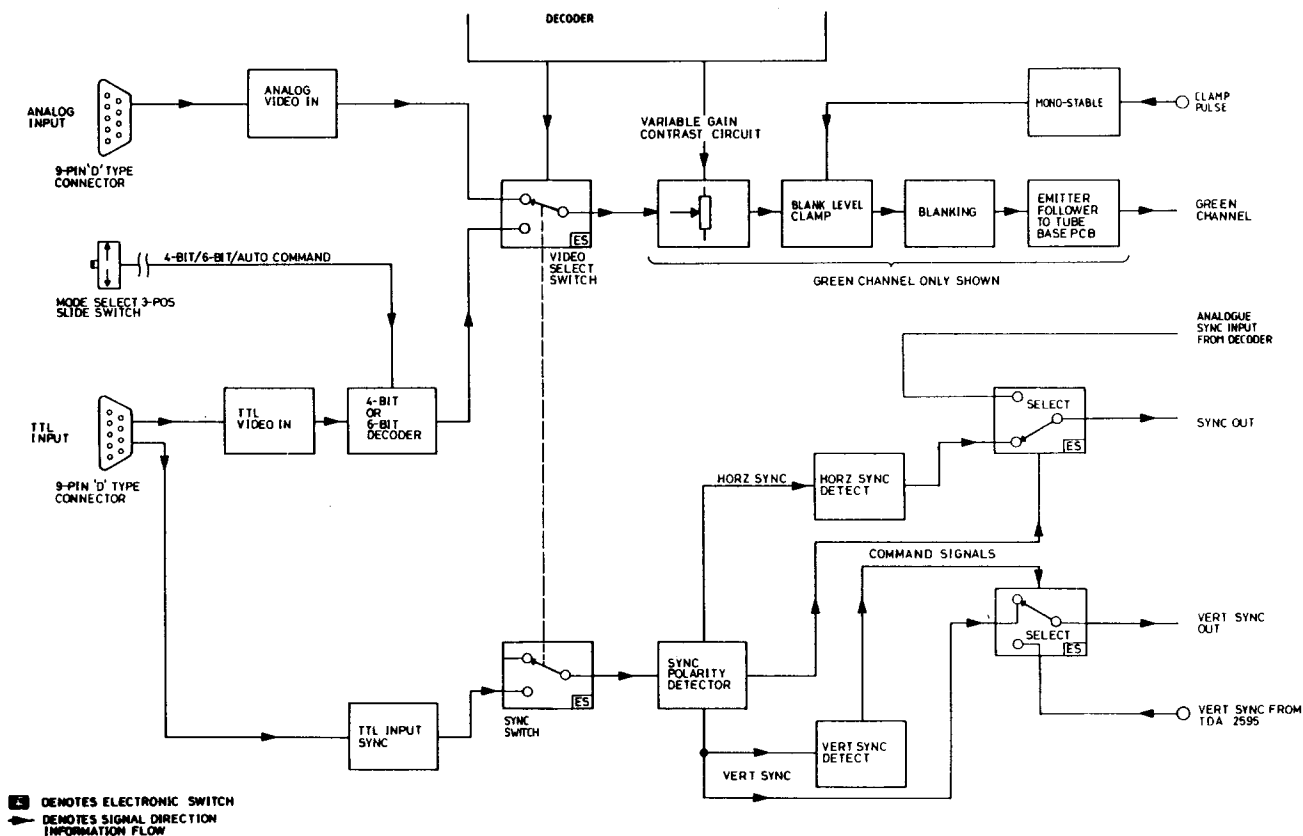
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12 L 71 DNR 1.
2 L 71 DNS 3.
2 L 72 DNR 1.
2 L 72 DRR 1.
2L70DNR1.
2L70DNS3.
2L72DNR1.
2L72DNR1.
4 H 717 TS 2 U.
4 H 727 TS 2 E.
4H717TS2U
4H727TS2E
4H727TS2U
0 H 718 ES 2.
0 H 728 ES 2.
0 H 729 ES 23.
0 H 728 ES 2.
0 L 718 ES 2.
0 L 728 ES 2.
0H718ES2.
0H727ES23.
0H728ES2.
0L718ES2.
0L728ES2.
604.
7 SERIES MK 2.
704.
CMV-125MV.
SERIES 7 MK 2.



12 L 71 DNR 1.
 2 L 71 DNS 3.
 2 L 72 DNR 1.
 2 L 72 DRR 1.
 2L71DNR1.
 2L71DNS3.
 2L72DNR1.
 2L72DRR1.
 4 H 717 TS 2 U.
 4 H 727 TS 2 E.
 4H717TS2U.
 4H727TS2E.
 0 H 718 ES 2.
 0 H 727 ES 23.
 0 H 728 ES 2.
 0 L 718 ES 2.
 0 L 728 ES 2.
 0H718ES2.
 0H727ES23.
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 7 SERIES MK 2.
 704.
 705.
 CMV-125MV.
 SERIES 7 MK 2.

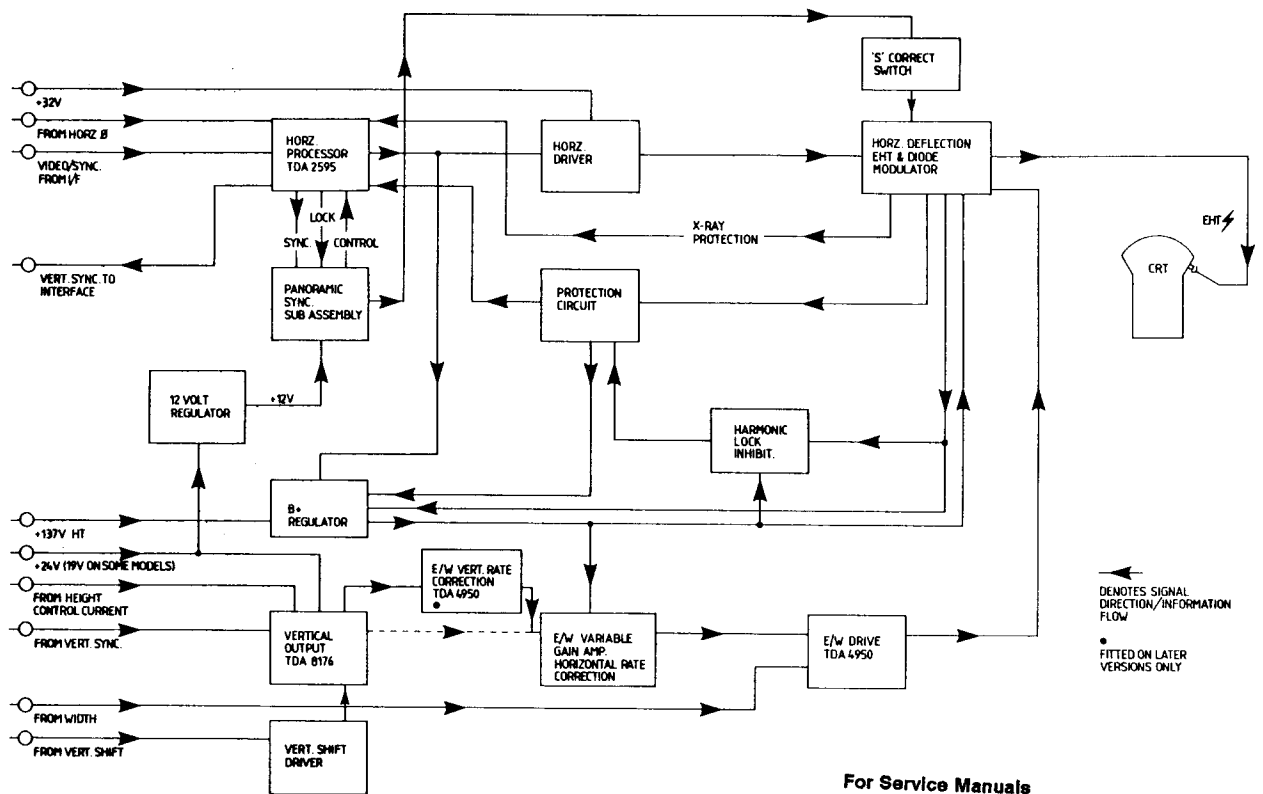
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12 L 71 DNR 1.
2 L 71 DNS 3.
2 L 72 DNR 1.
2 L 72 DRR 1.
2L71DNR1.
2L71DNS3.
2L72DNR1.
2L72DRR1.
4 H 717 TS 2 U.
4 H 727 TS 2 E.
4H717TS2U.
4H727TS2E.
0 H 718 ES 2.
0 H 727 ES 23.
0 H 728 ES 2.
0 L 718 ES 2.
0 L 728 ES 2.
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0H727ES23.
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704.
705.
CMV-125MV.
SERIES 7 MK 2.

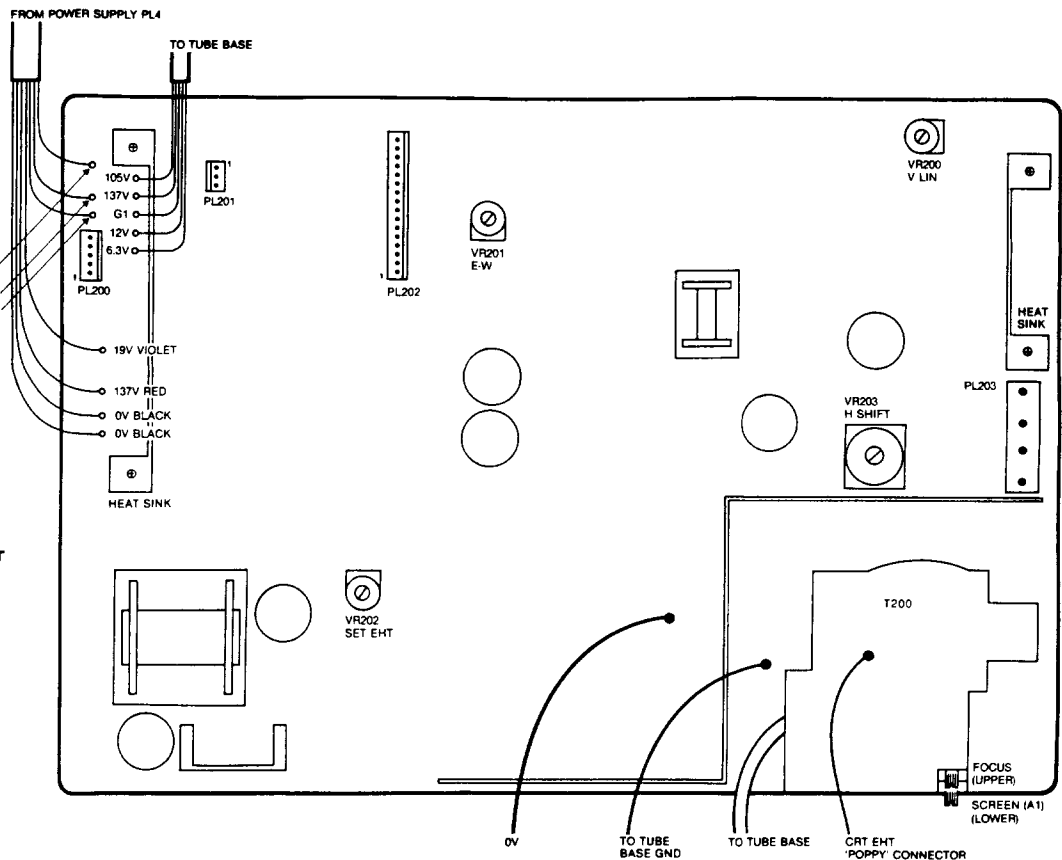


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GREEN
CHANNEL
ANALOGUE
SYNC INPUT
FROM DECODER
SYNC OUT
VERT SYNC
OUT
VERT SYNC FROM
TDA 2595



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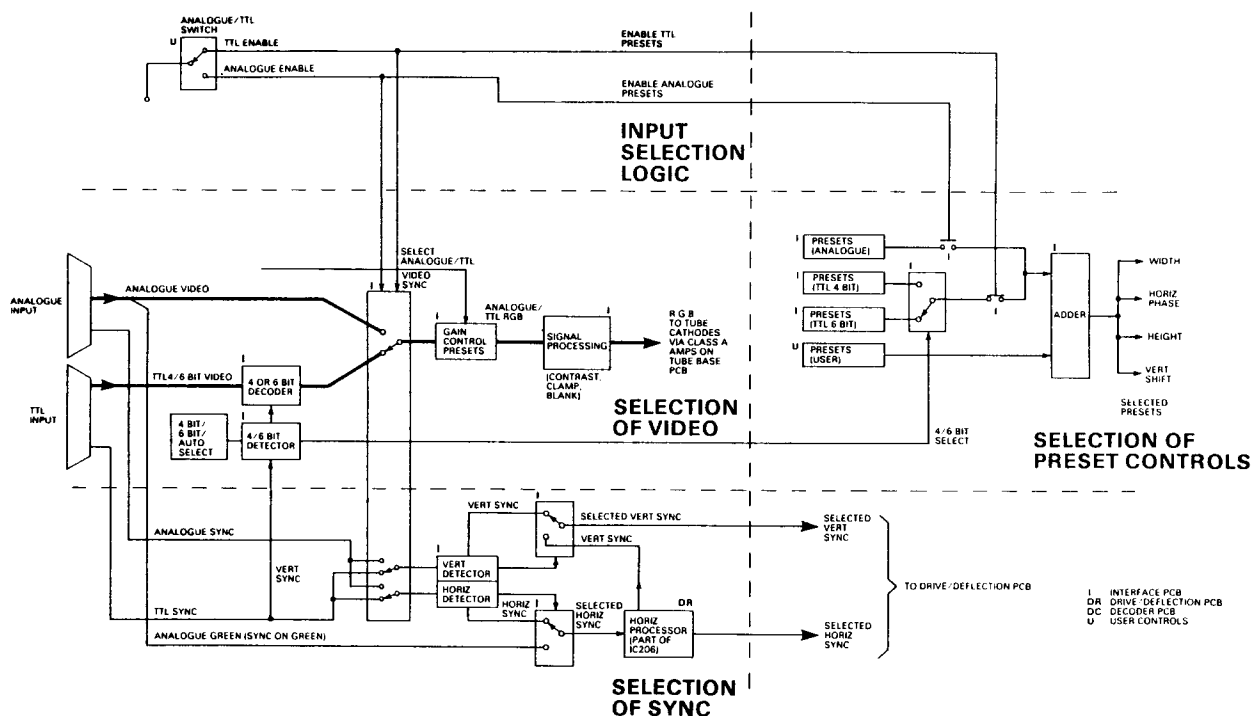




SAFETY AND ISOLATION
THE POWER SUPPLY IS ALWAYS LIVE REGARDLESS OF THE MAINS SUPPLY POLARITY. THEREFORE FOR SERVICING, THE UNIT SHOULD BE SUPPLIED THROUGH A MAINS ISOLATION TRANSFORMER OF AT LEAST 300VA RATING

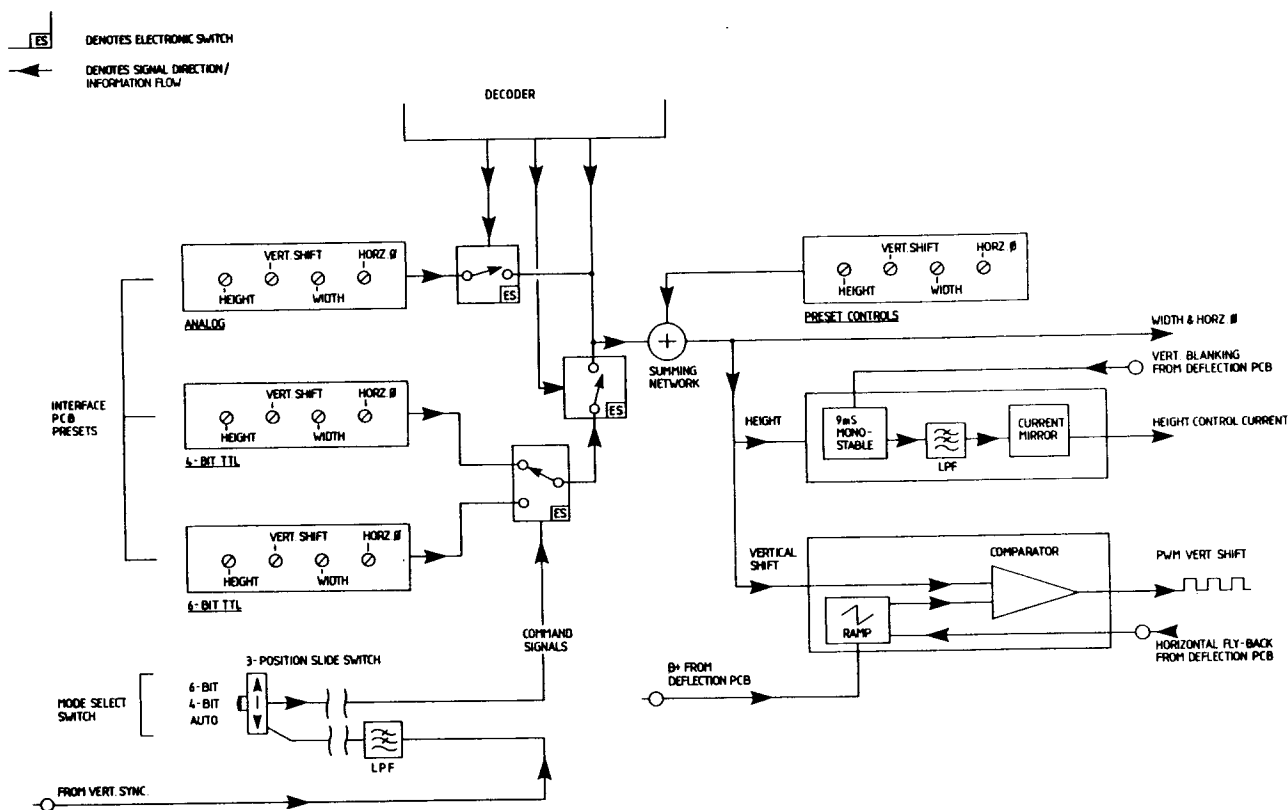
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AND MUST ONLY BE
REPLACED WITH
COMPONENTS SUPPLIED
APPROVED BY OUR
SERVICE DEPARTMENT

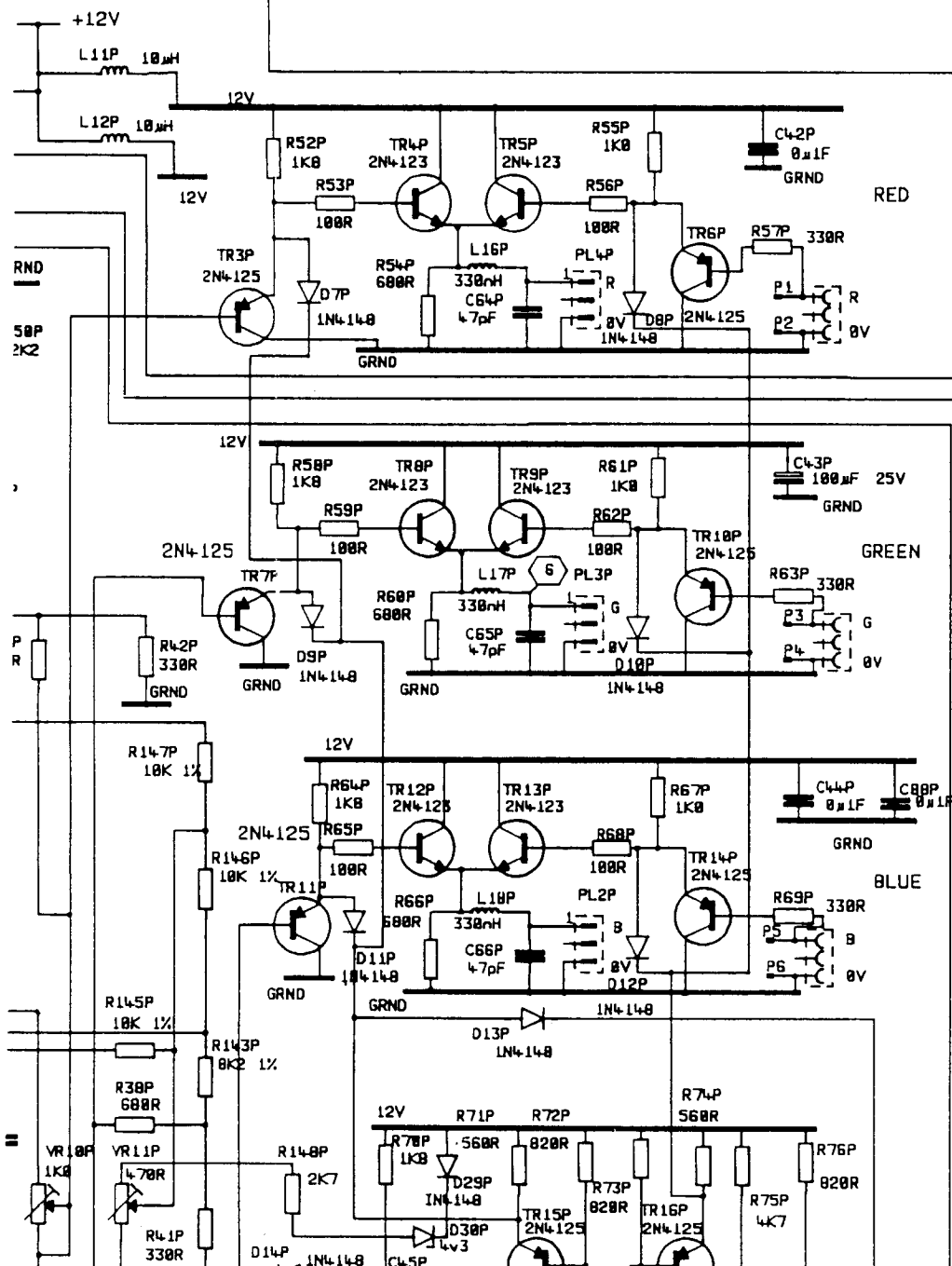
SYMBOL	DENOTES
LK	WIRE LINK
mff	METAL FILM FUSIBLE RESISTOR
	WAVEFORM MEASUREMENT POINT
	VOLTAGE MEASUREMENT POINT



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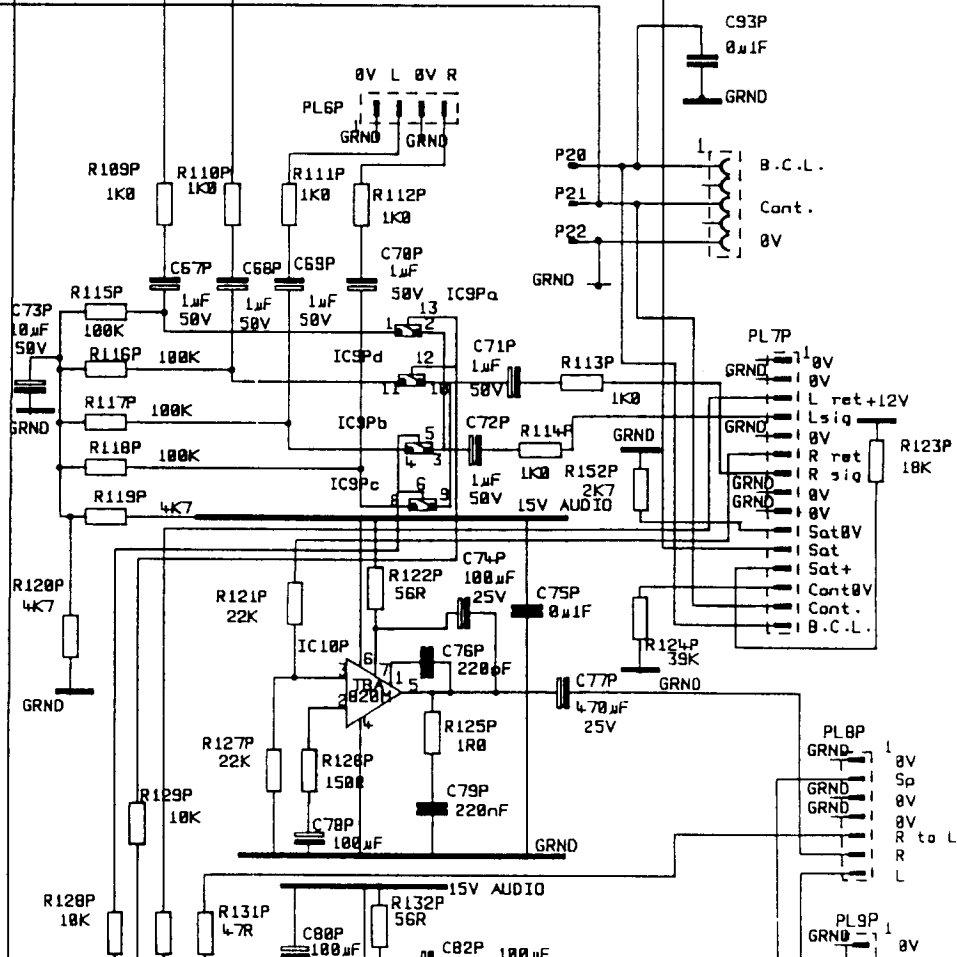




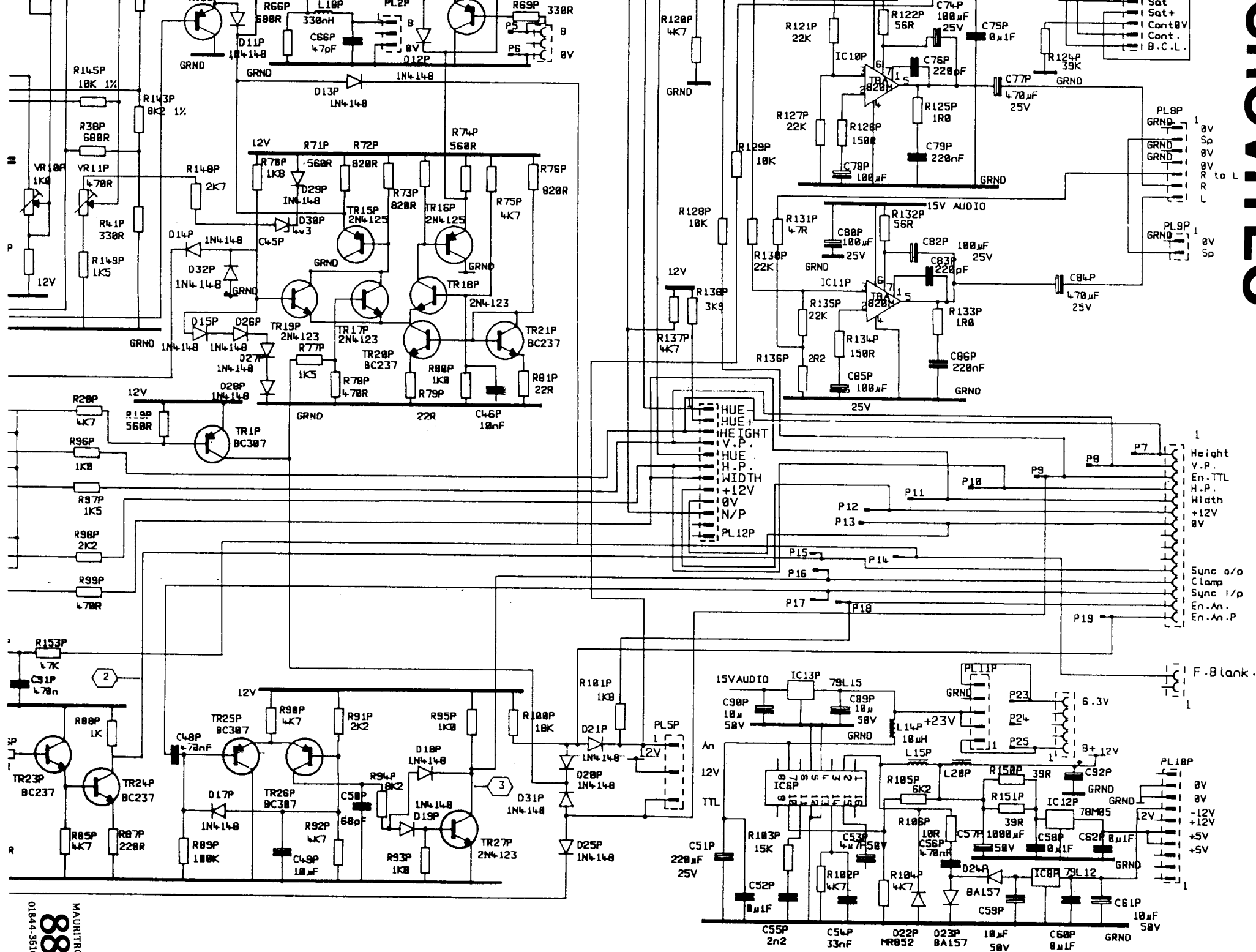
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2 L 71 DNS 3.
2 L 72 DNR 1.
2 L 72 DRR 1.
2 L 71DNR1.
2 L 71DNS3.
2 L 72DNR1.
2 L 72DNR1.
4 H 71 T 2 U.
4 H 71 T 2 E.
4 H 72 T 2 E.
4H71T2SU.
4H71T2SU.
4H72T2SE.
0 H 718 SE 2.
0 H 727 SE 23.
0 H 728 SE 2.
0 H 728 SE 2.
0 L 718 SE 2.
0 L 728 SE 2.
0H718SE2.
0H718SE2.
0H727SE3.
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604
7 SERIES MK 2
704.
705.
CMV-125SVV.
SERIES 7 MK 2.

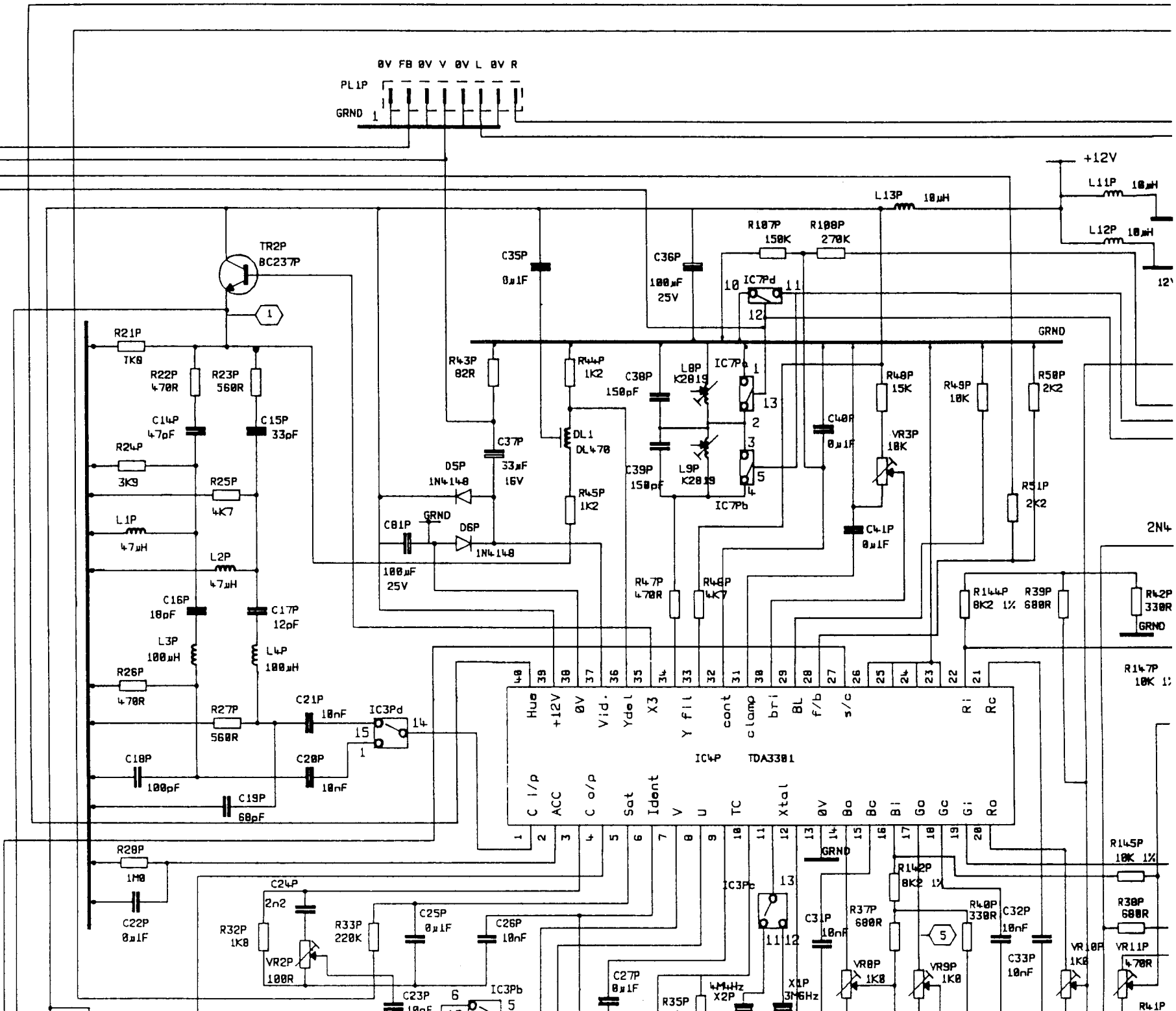
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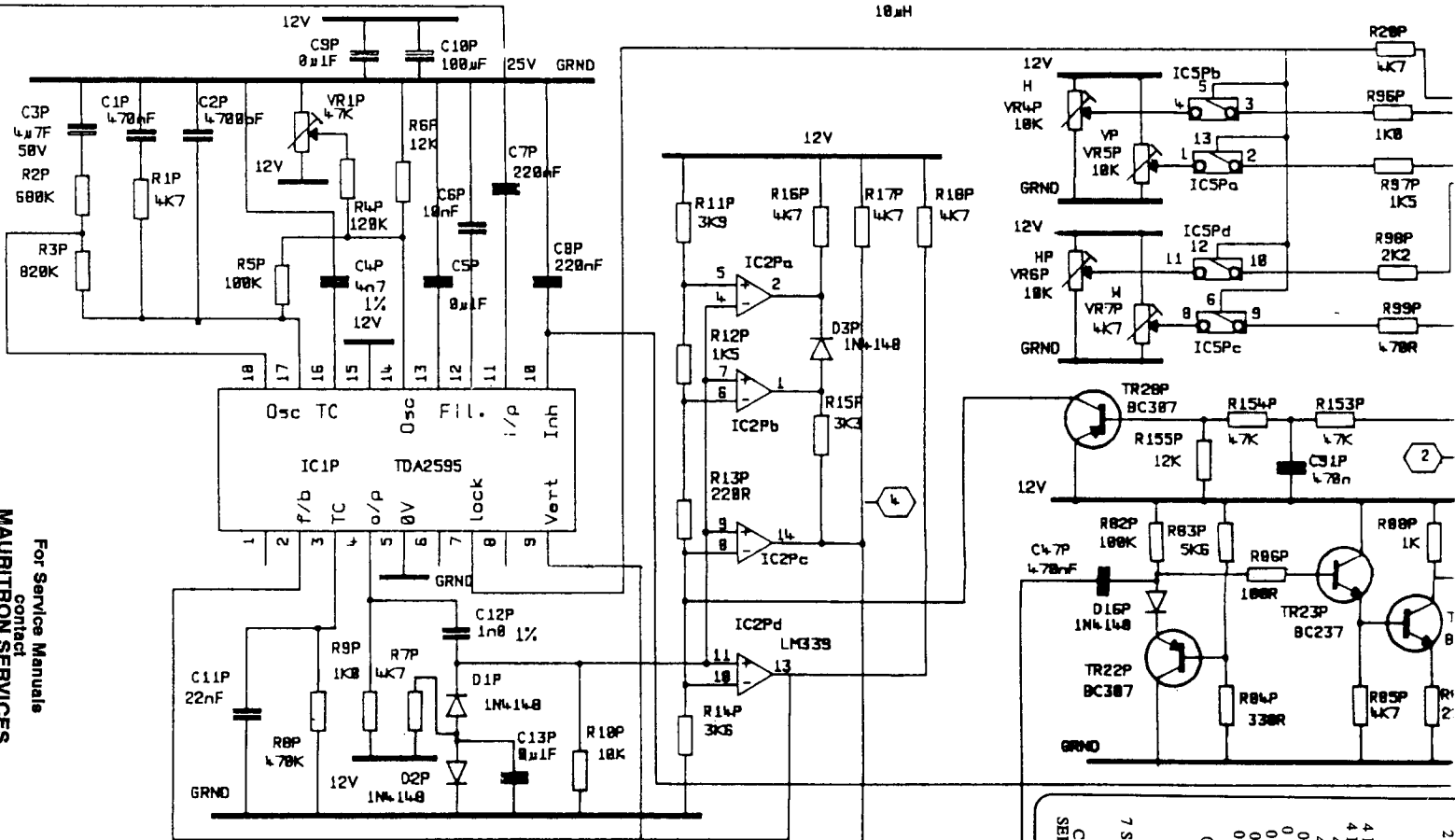
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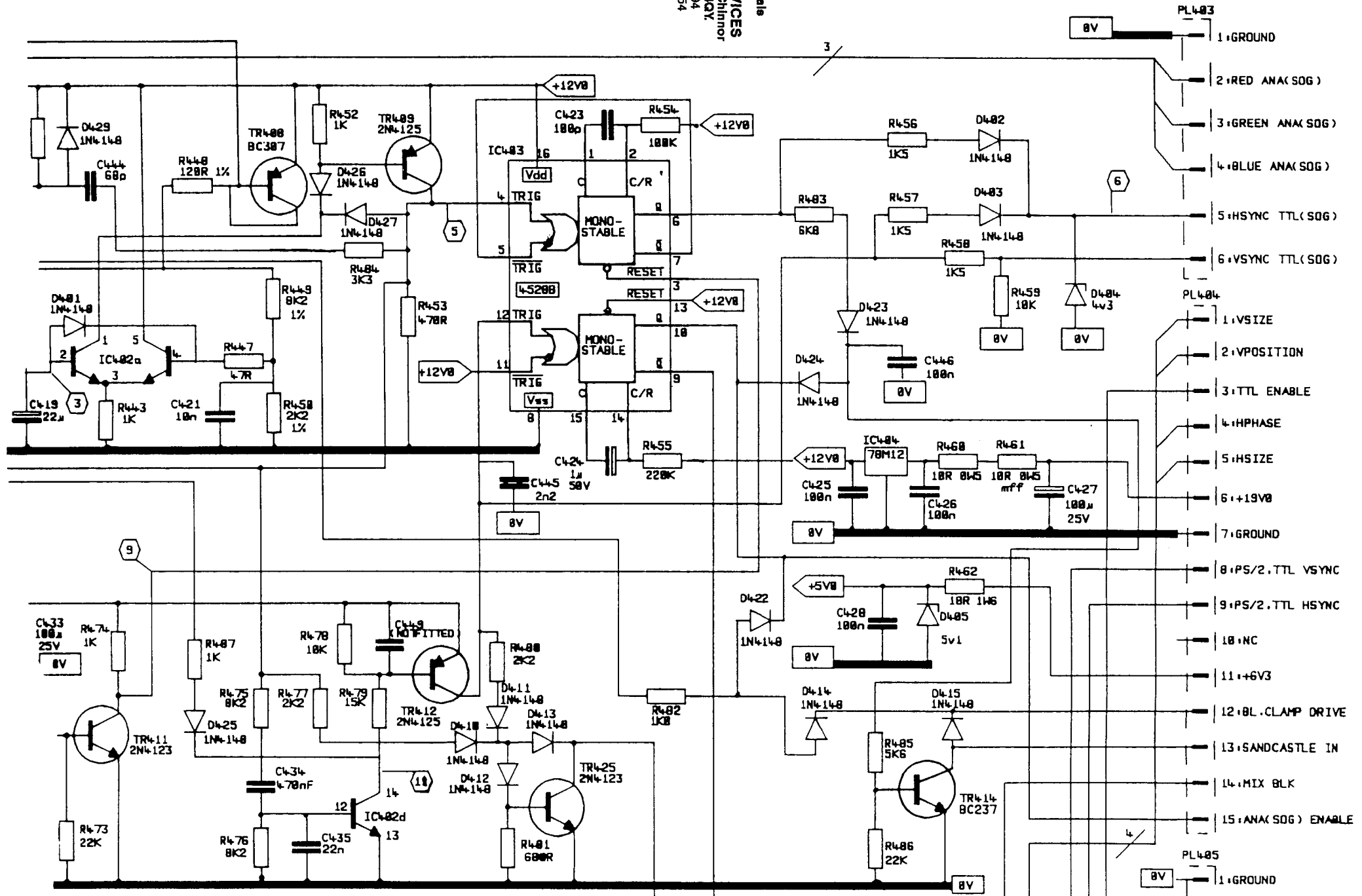
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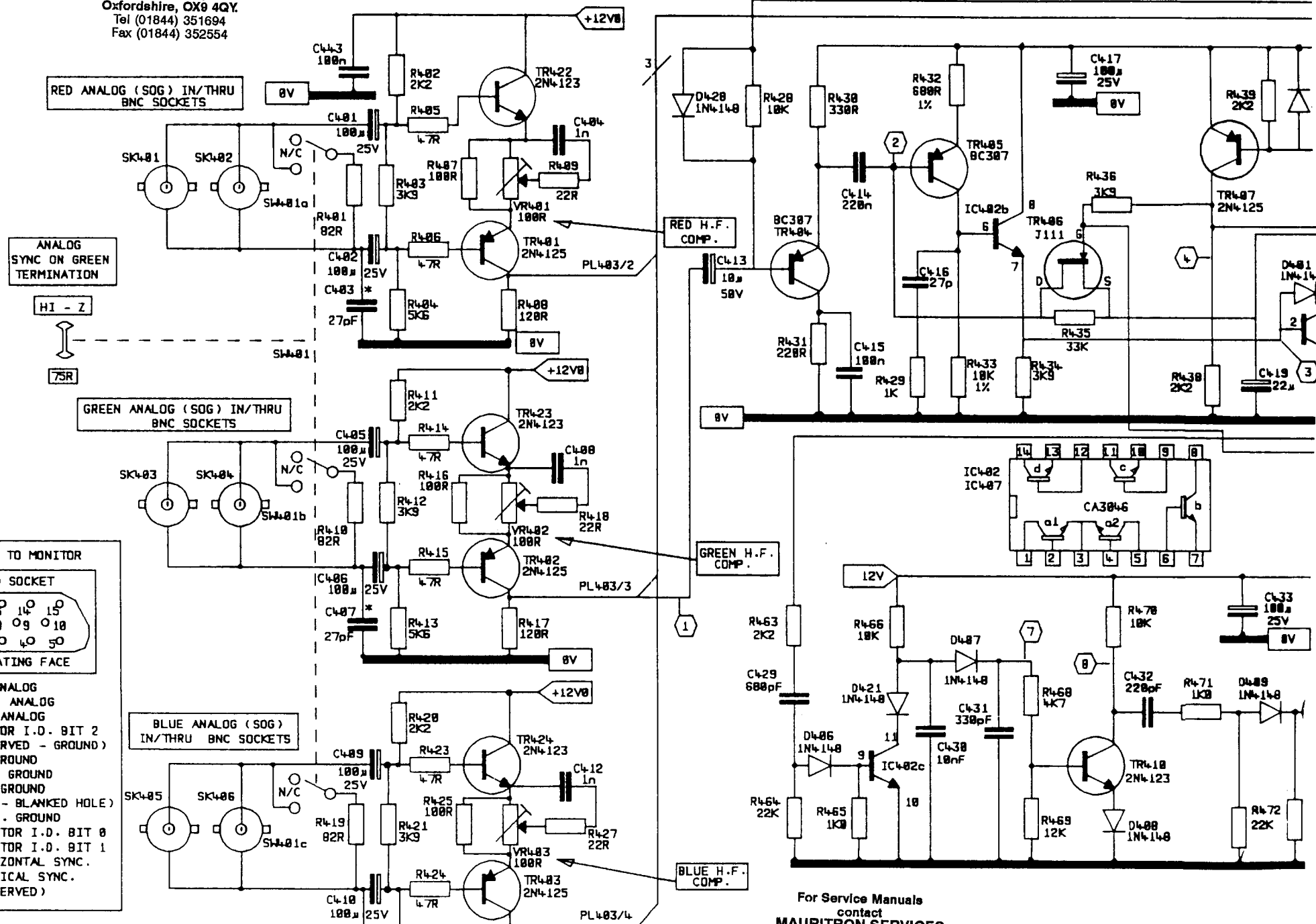




MICROVITEC

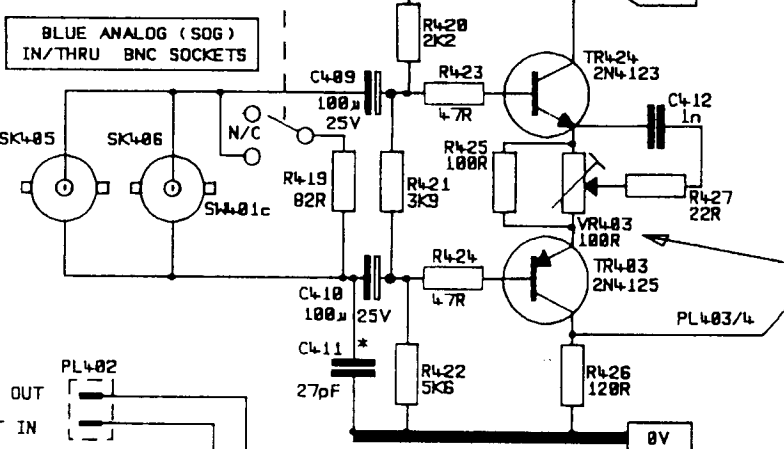
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12 L 71 DNR 1
12 L 71 DNS 3
2 L 72 DNR 1
2 L 72 DNR 1
2 L 72 DNR 1
2 L 72DNR1
2 L 72DNR1
4 H 71 TS 2
4 H 72 TS 2 E
4 H 72 TS 2
4H71TS2U
4H71TS2E
4H72TS2E
0 H 718 ES 2
0 H 727 ES 2,3
0 H 728 ES 2
0 L 718 ES 2
0 L 728 ES 2
0 H 718ES2
0H727ES2
0H728ES2
0H728ES2
0L718ES2
0L728ES2
604.
7 SERIES MK 2
704.
705.
CMA-12M.V.
SERIES 7 MK 2

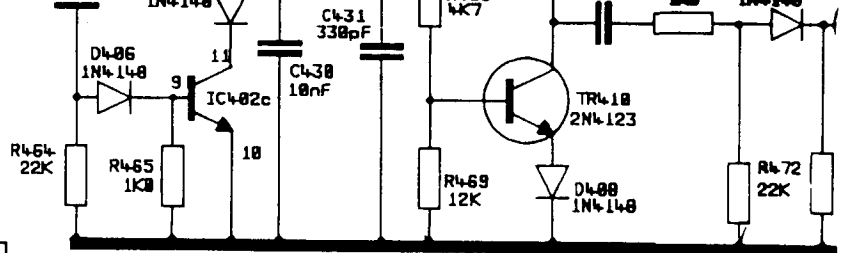


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PIN 2: GREEN ANALOG
 PIN 3: BLUE ANALOG
 PIN 4: MONITOR I.D. BIT 2
 PIN 5: (RESERVED - GROUND)
 PIN 6: RED GROUND
 PIN 7: GREEN GROUND
 PIN 8: BLUE GROUND
 PIN 9: (KEY - BLANKED HOLE)
 PIN 10: SYNC. GROUND
 PIN 11: MONITOR I.D. BIT 0
 PIN 12: MONITOR I.D. BIT 1
 PIN 13: HORIZONTAL SYNC.
 PIN 14: VERTICAL SYNC.
 PIN 15: (RESERVED)



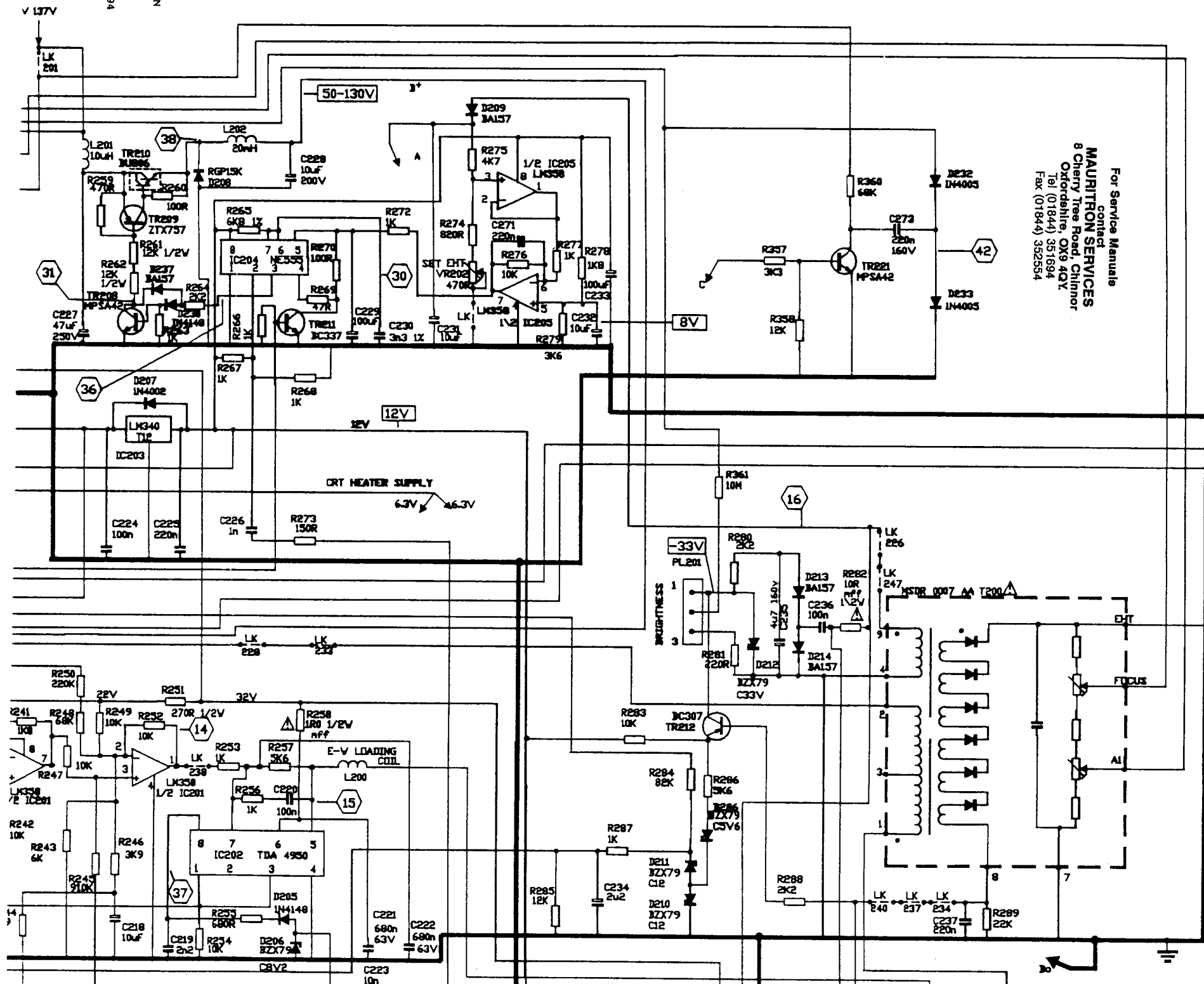
BLUE H.F. COMP.

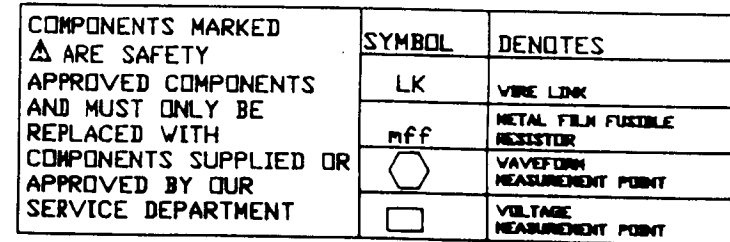


MICROVITEC

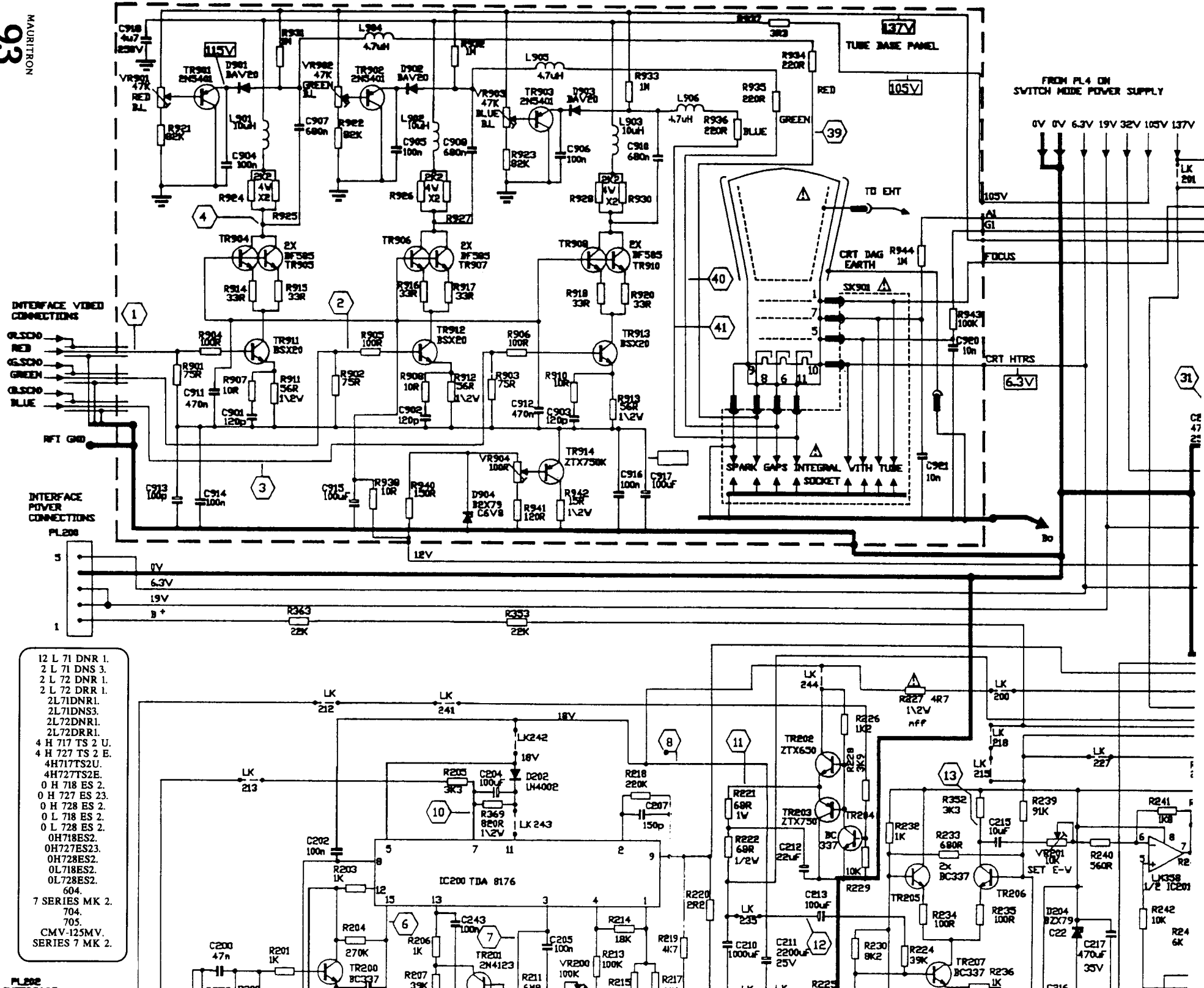
ENT TO
ENT

For Service Manual
Contact
MAURITRON SERVICES
8 Cherry Tree Road, Chinnor
Oxfordshire, OX9 4QY
Tel (01844) 351694
Fax (01844) 352554



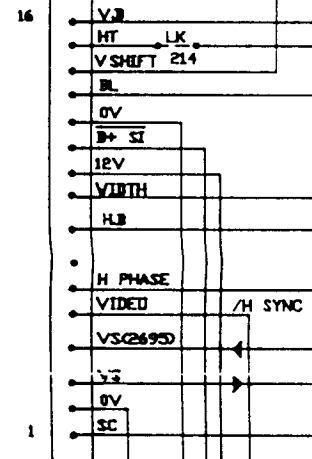


MAURITRON
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0 H 728 ES 2.
0 L 718 ES 2.
0 L 728 ES 2.
0H718ES2.
0H727ES23.
0H728ES2.
0L718ES2.
0L728ES2.
604.
7 SERIES MK 2.
704.
705.
CMV-125MV.
SERIES 7 MK 2.

FL802
INTERFACE
PULSES/PRESET
CONNECTIONS



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