HITACHI
SERVICE MANUAL

YK | No.0406

27MX1B

NTSC | G9LXU-R Chassis

R/C:CLU-253A

This service manual only gives differences between the 27MX1B and CT7872B. For any other information, see the CT7872B/K, CT7882B/K/BA/KA Service Manual (No. 0375E) issued in June 1990.

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REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATIONS: Capacitors·····CD: Ceramic disk, PF: Polyester film, EL: Electrolytic, PP: Polypropylene
Resistors·····CF: Carbon film, MF: Metal oxide film, FR: Fuse resistor
Semiconductor····DI: Diode

27MX1B			CT7872B		
SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
		CAPACITORS			
C607	0253942	EL 0.22MF 50V	C607	0253940	EL 0.1MF 50V
C608	0800001	EL 0.47MF 50V	C608	0253943	EL 0.33MF 50V
C650	0800003	EL 1MF 50V	C650		Not used
C651	0800005	EL 2.2MF 50V	C651		Not used
C652	0880035	PF 2200PF ±10% 50V	C652	0880042	PF 6800PF ±10% 50V
C656	0880048	PF 0.022MF ±10% 50V	C656		Not used
C657	0800003	EL 1MF 50V	C657	0880048	PF 0.022MF ±10% 50V
C710	0880044	PF 0.01MF ±10% 50V	C710	0880048	PF 0.022MF ±10% 50V
⚠C718	0244215	CD 2200PF ±10% 2KV	⚠C718	0244211	CD 1000PF ±10% 2KV
⚠C719	0244215	CD 2200PF ±10% 2KV	⚠C719	0244213	CD 1500PF ±10% 2KV
⚠C722	0299707	PP 0.015MF ±10% 630V	⚠C722	0299706	PF 0.01MF ±10% 630V
⚠C724	0299932	PP 0.33MF ±10% 200V	⚠C724	0299930	PP 0.22MF ±10% 200V
C741	0890074	CD 100PF ±5% 50V	C741		Not used
C750	0800005	EL 2.2MF 50V	C750		Not used
C776		Not used	C776	0244501	CD 1000PF ±10% 500V

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

SOLID STATE COLOR TELEVISION

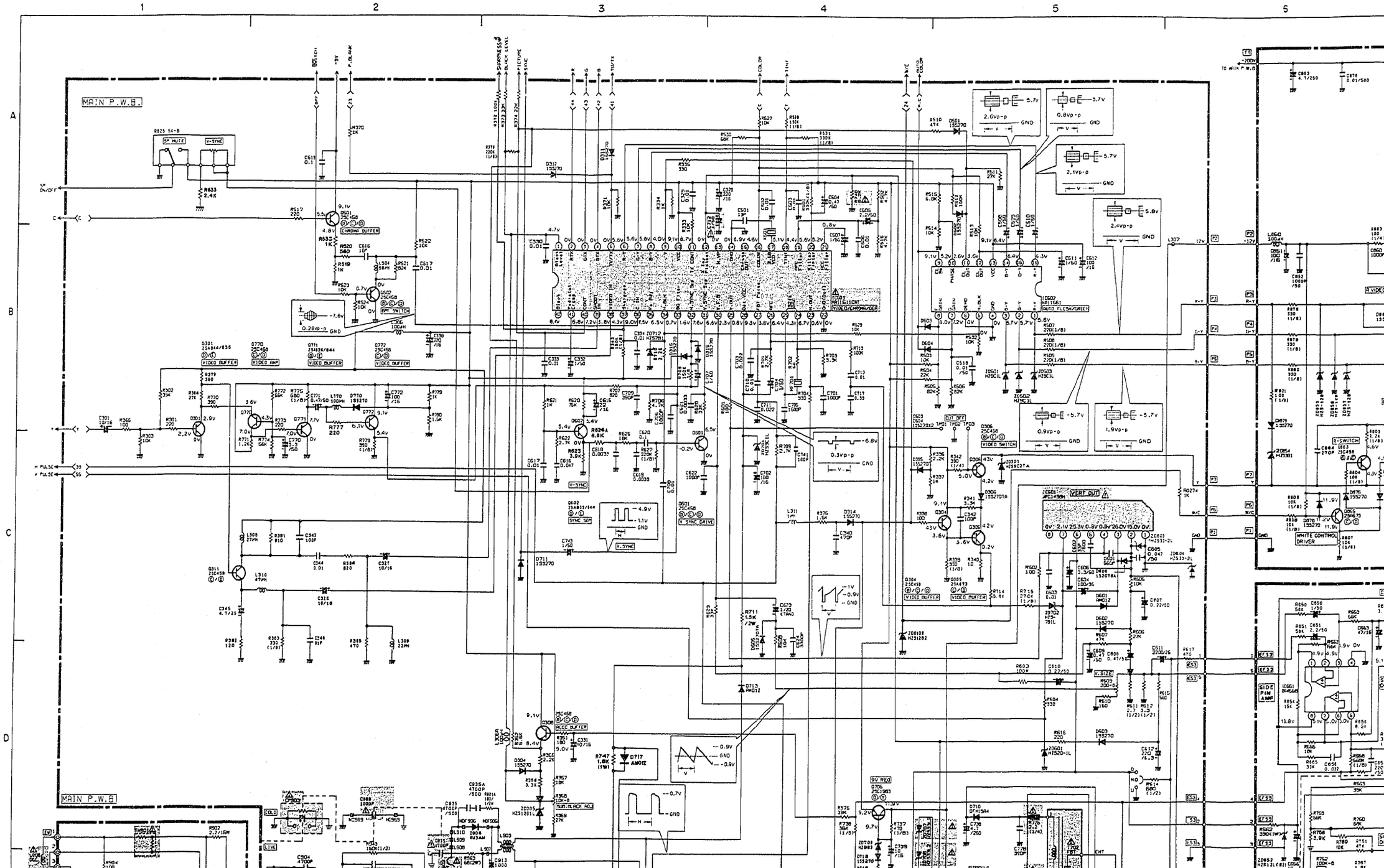
June 1991 YOKOHAMA WORKS

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27MX1B			CT7872B		
SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
		RESISTORS			
R603	0700067	CF 100K OHM ±5% 1/16W	R603	0100101	CF 33K OHM ±5% 1/8W
R617	0700036	CF 470 OHM ±5% 1/16W	R617		Not used
R650	0700064	CF 56K OHM ±5% 1/16W	R650		Not used
R651	0700064	CF 56K OHM ±5% 1/16W	R651		Not used
R654	0700056	CF 15K OHM ±5% 1/16W	R654	0700054	CF 10K OHM ±5% 1/16W
R656	0700053	CF 8.2K OHM ±5% 1/16W	R656	0700055	CF 12K OHM ±5% 1/16W
R660	0700047	CF 3.3K OHM ±5% 1/16W	R660	0700053	CF 8.2K OHM ±5% 1/16W
R665	0700061	CF 33K OHM ±5% 1/16W	R665		Not used
R667	0100125	CF 330K OHM ±5% 1/8W	R667	0100129	CF 470K OHM ±5% 1/8W
R712	0110255	MF 2.7K OHM ±5% 2W	R712	0110257	MF 3.3K OHM ±5% 2W
R712A	0110253	MF 2.2K OHM ±5% 2W	R712A	0110255	MF 2.7K OHM ±5% 2W
R719		Not used	R719	0110233	CF 330 OHM ±5% 2W
⚠R721	01195121	FR 1 OHM ±5% 1/4W	⚠R721	0119838	FR 0.5 OHM ±5% 1/4W
⚠R729	0700048	CF 3.9K OHM ±5% 1/16W	⚠R729	0700045	CF 2.2K OHM ±5% 1/16W
R751	0700063	CF 47K OHM ±5% 1/16W	R751		Not used
R756	0700054	CF 10K OHM ±5% 1/16W	R756	0700063	CF 47K OHM ±5% 1/16W
R767	0700044	CF 1.8K OHM ±5% 1/16W	R767	0700056	CF 15K OHM ±5% 1/16W
R768	0700061	CF 33K OHM ±5% 1/16W	R768		Not used
R768A		Not used	R768A	0700054	CF 10K OHM ±5% 1/16W
R782	0113731	CF 180 OHM ±5% 1/2W	R782		Not used
R783	0700045	CF 2.2K OHM ±5% 1/16W	R783		Not used
		DIODES			
D705		Not used	D705	23394811	DI AS01Z
		COILS			
L311	2122969	LA AXIAL COIL 1MH	L311		Not used
L702	2165403	H. LINEARITY COIL	L702	2272783	HORIZONTAL LINEARITY COIL
L709	2122212	FILTER COIL	L709	2122092	FILTER COIL
		COLOR PICTURE TUBE			
⚠V1	2470251	CPT A68AEG 20X01 (HHEA MD)	⚠V1	2358201	CPT MVA68AECOOX (HHEA MD)
		MISCELLANEOUS			
⚠	3122392	CABINET ASS'Y B (HHEA MD)	⚠	3122395	CABINET ASS'Y B (HHEA MD)
⚠	3470375	BACK COVER ASS'Y (HHEA MD)	⚠	3470373	BACK COVER ASS'Y (HHEA MD)
H		Not used	H	2661751	PLUG PIN WITH BASE
⚠E1	2972521	POWER CORD	⚠E1	2742557	AC CORD
E150		Not used	⚠E150	2772211	MAGNET PIECE
⚠E301	2573225	REMOTE CONTROL TRANSMITTER CLU-253A (HHEA MD)	⚠E301	2970305	REMOTE CONTROL TRANSMITTER CLU-330 (HHEA MD)
E601		Not used	⚠E601	2443082	DEFLECTION YOKE
E603		Not used	E603	2772211	MAGNET PIECE
E603A		Not used	E603A	2772211	MAGNET PIECE
E604		Not used	E604	2773672	CF-MAGNET (HHEA MD)
		Not used		4615641	WEDGE
		Not used		3763752	SK BINDER

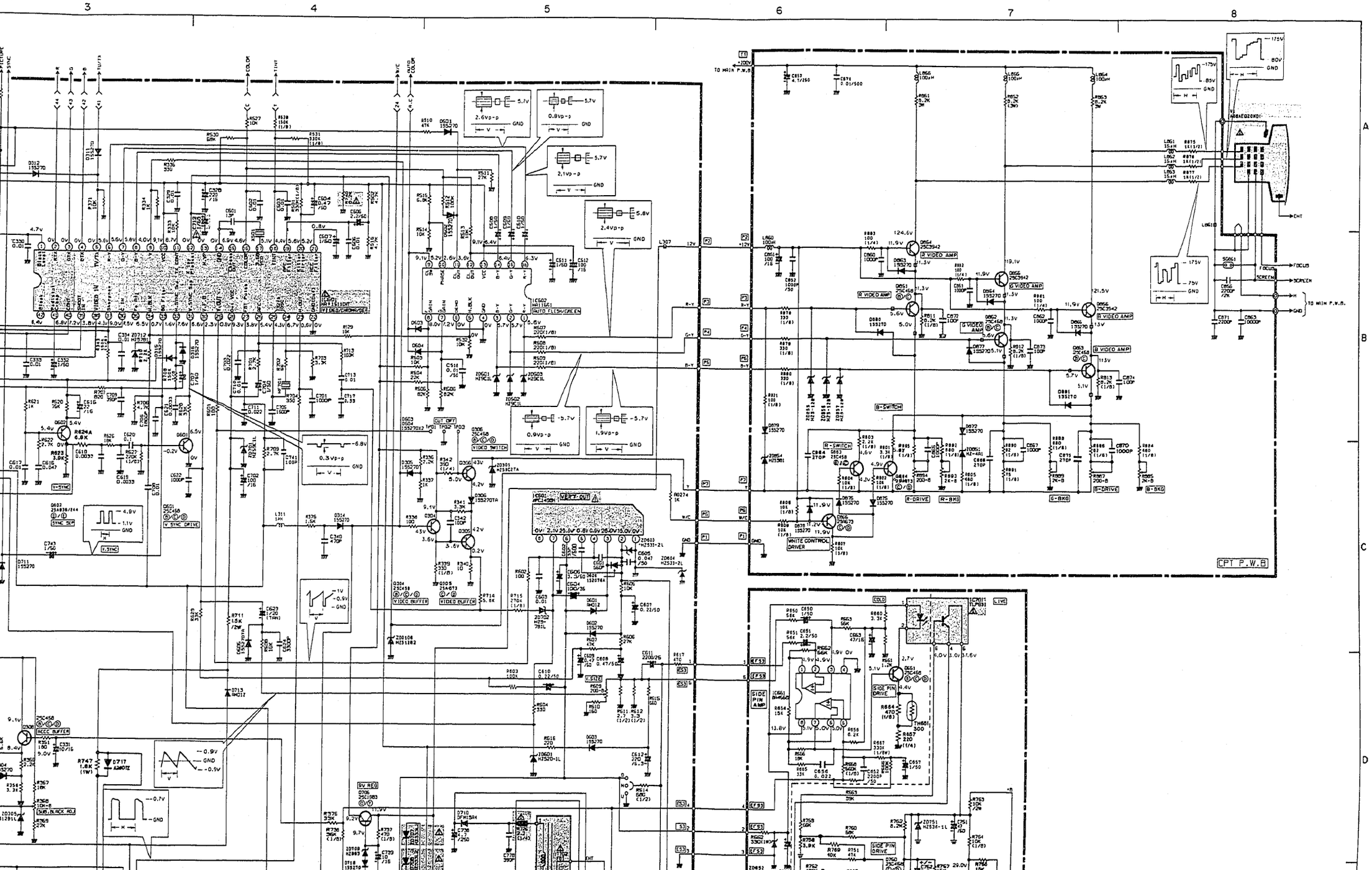
BASIC CIRCUIT DIAGRAM

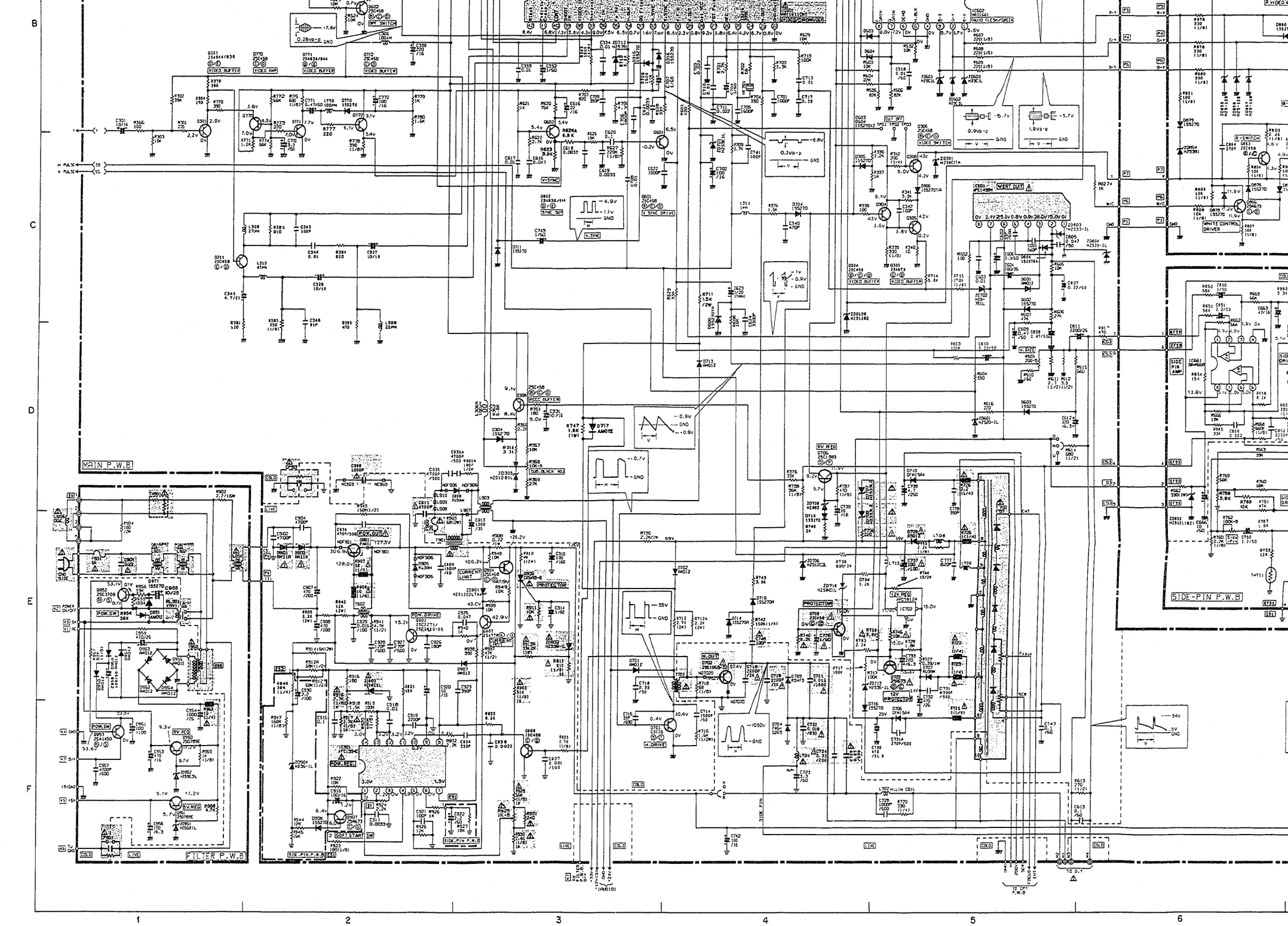
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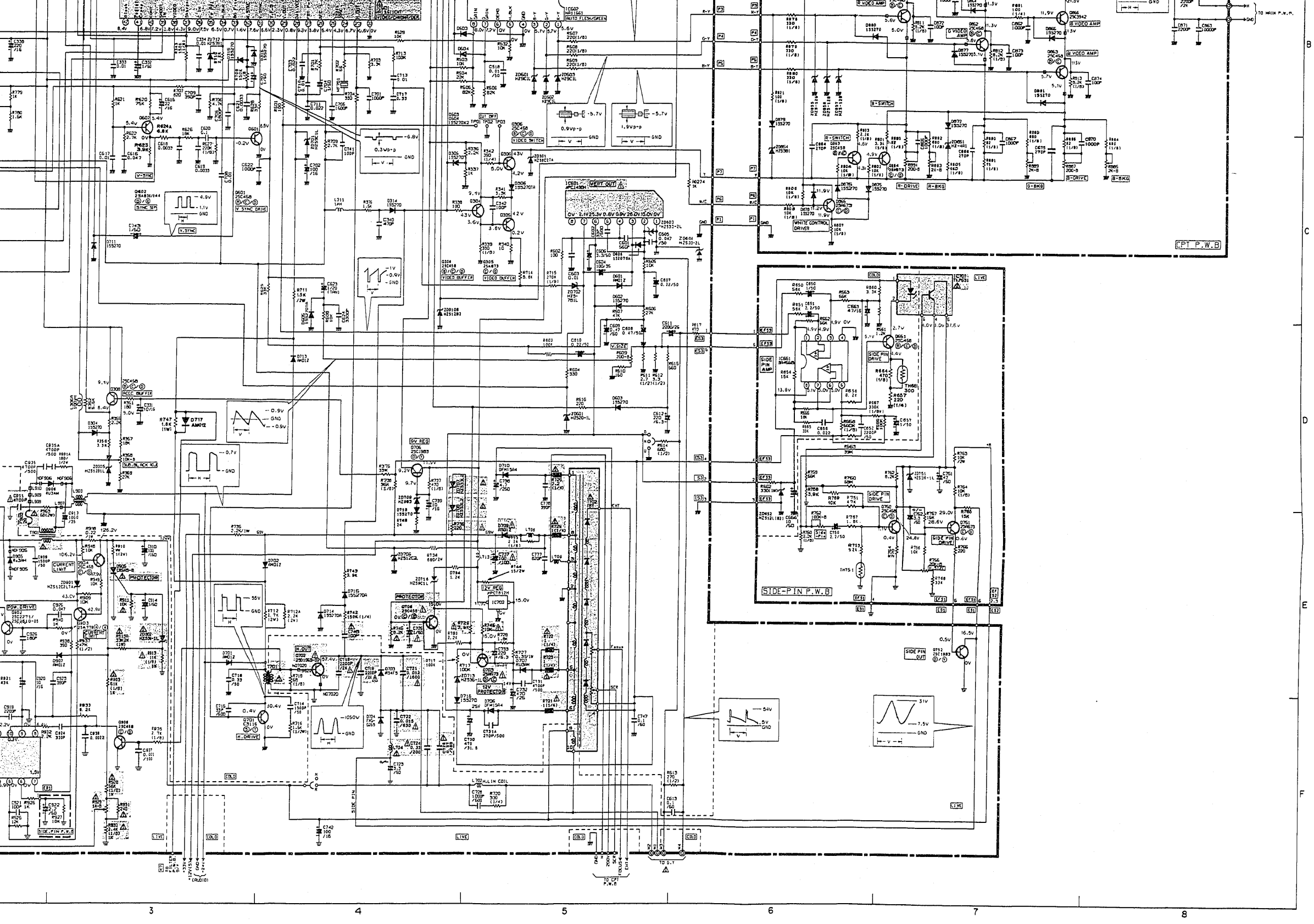
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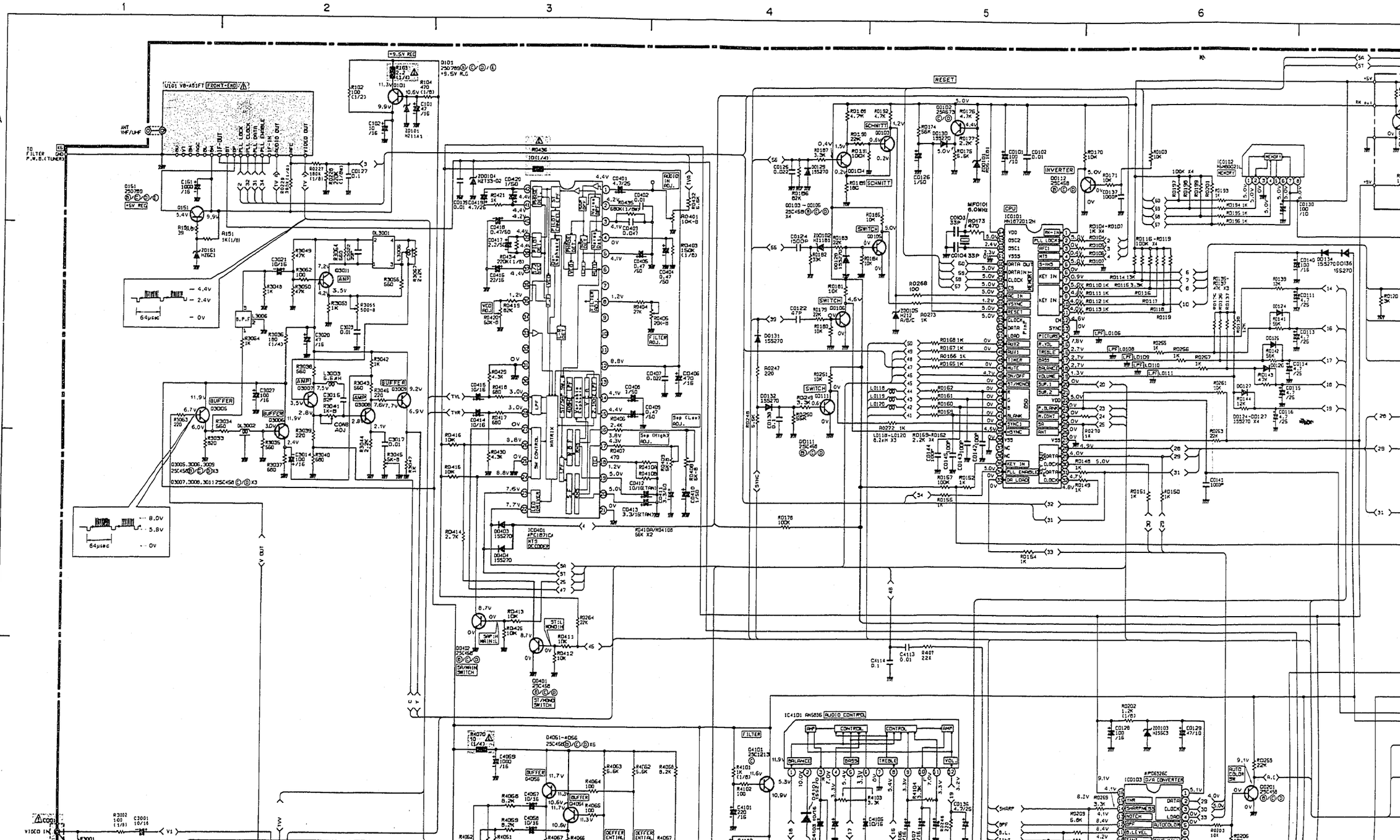
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- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

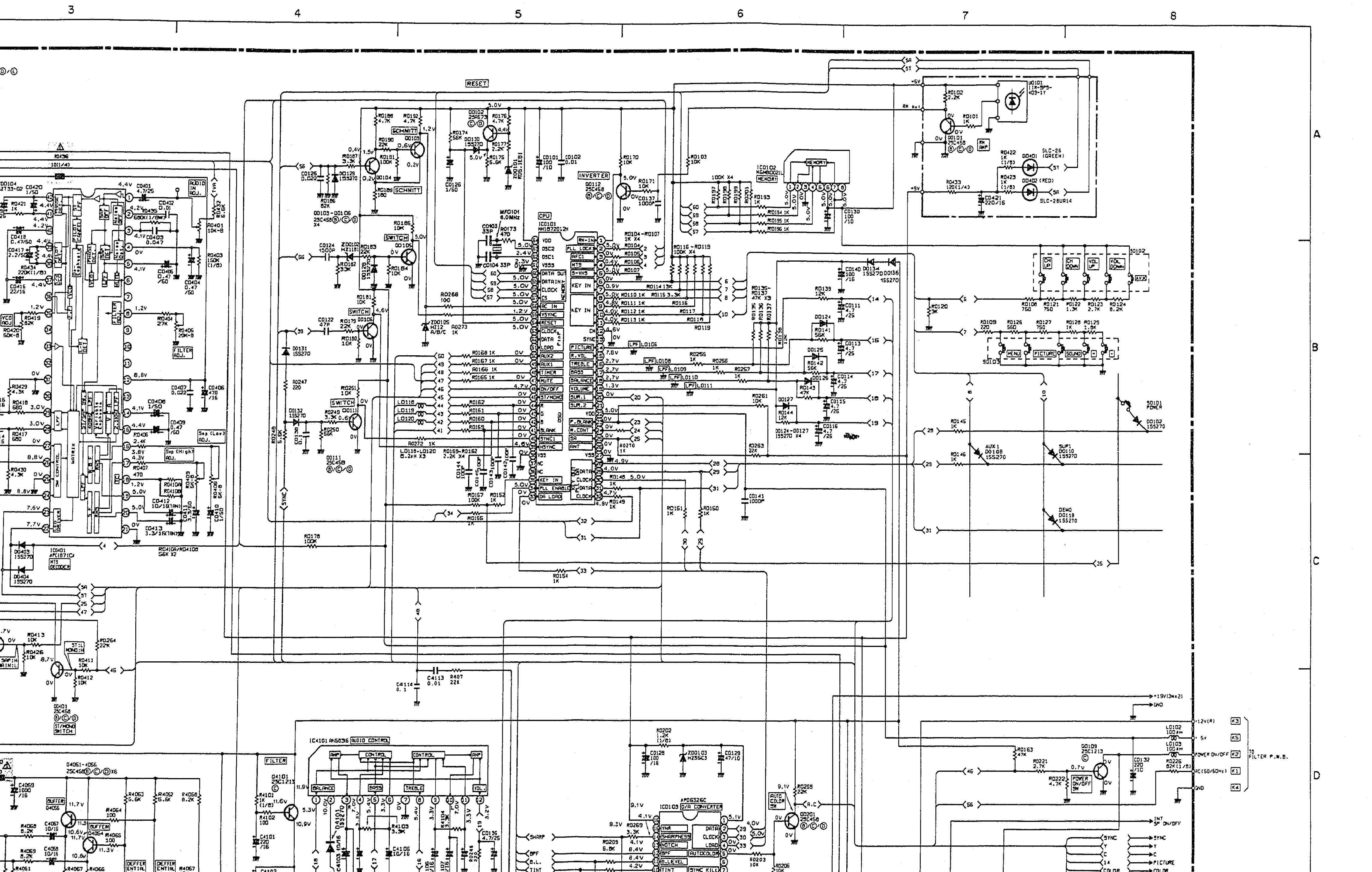
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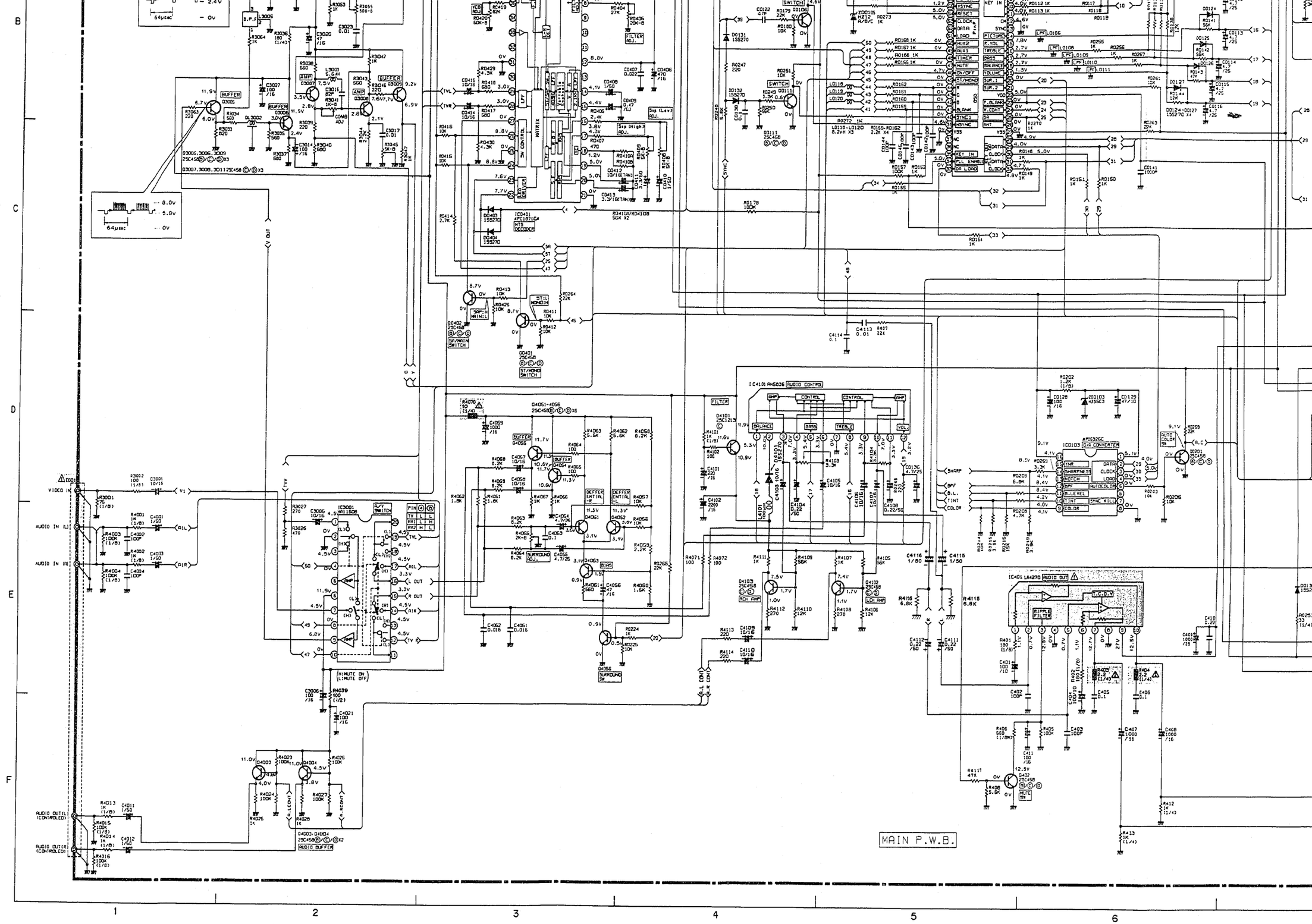
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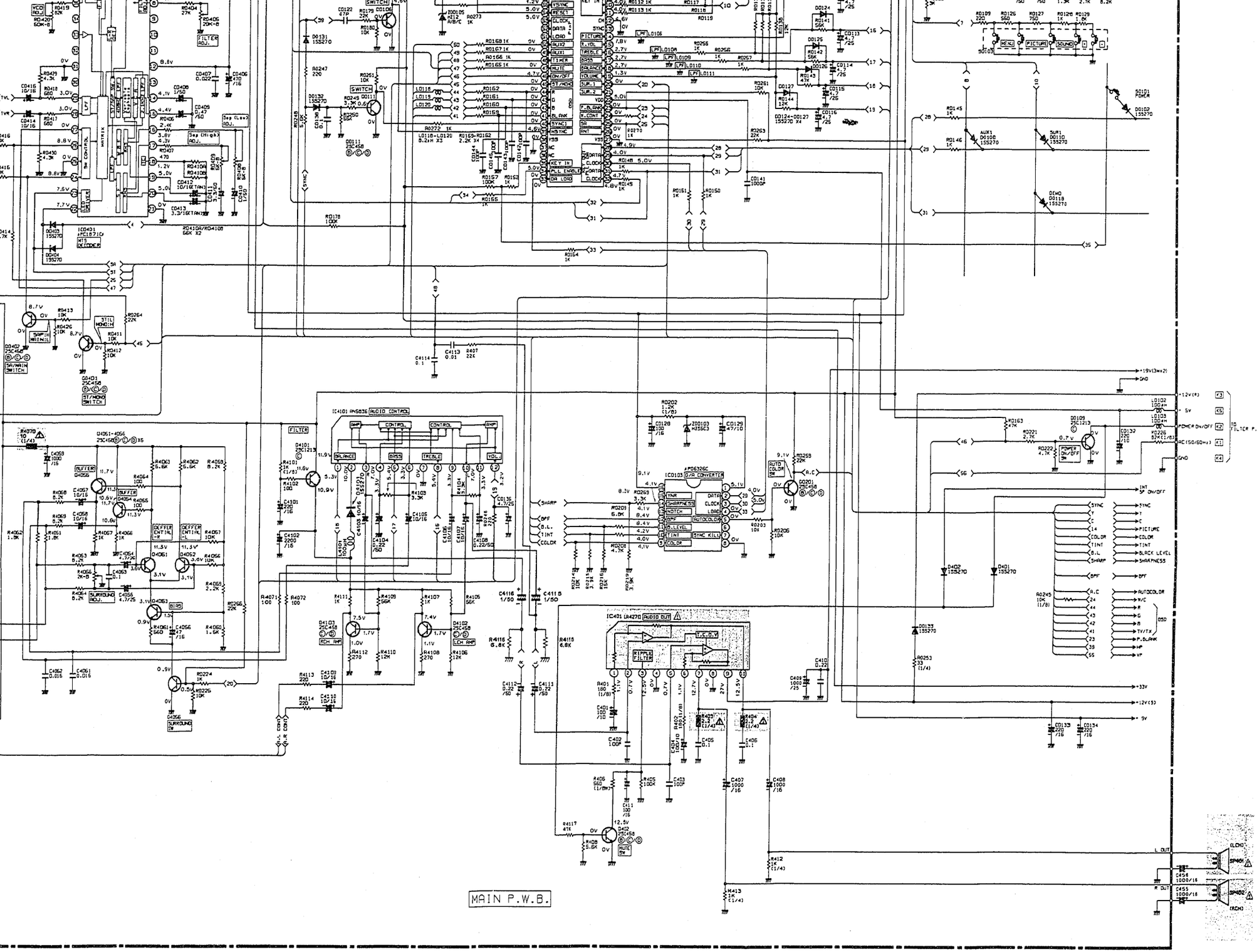
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BASIC CIRCUIT DIAGRAM





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