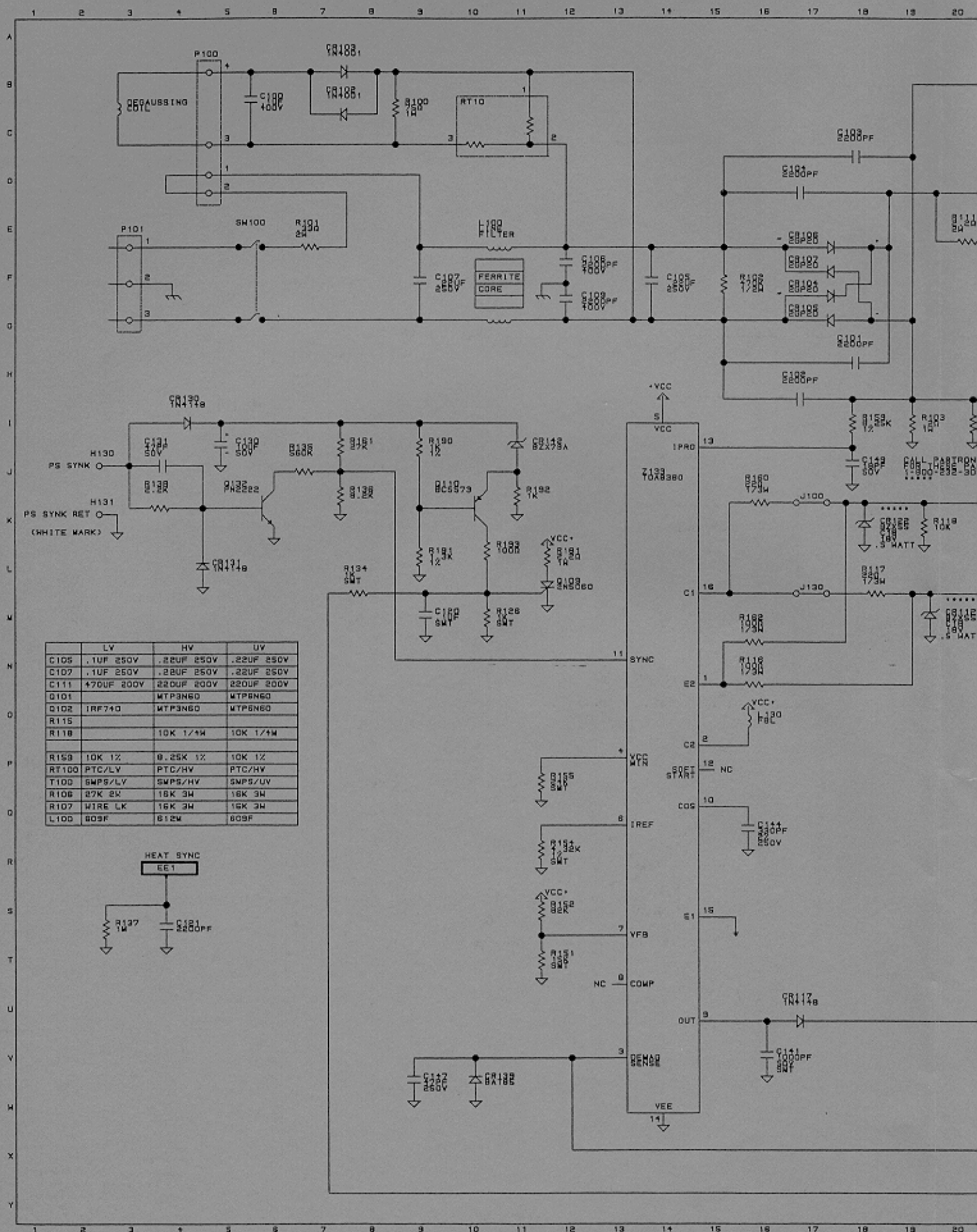
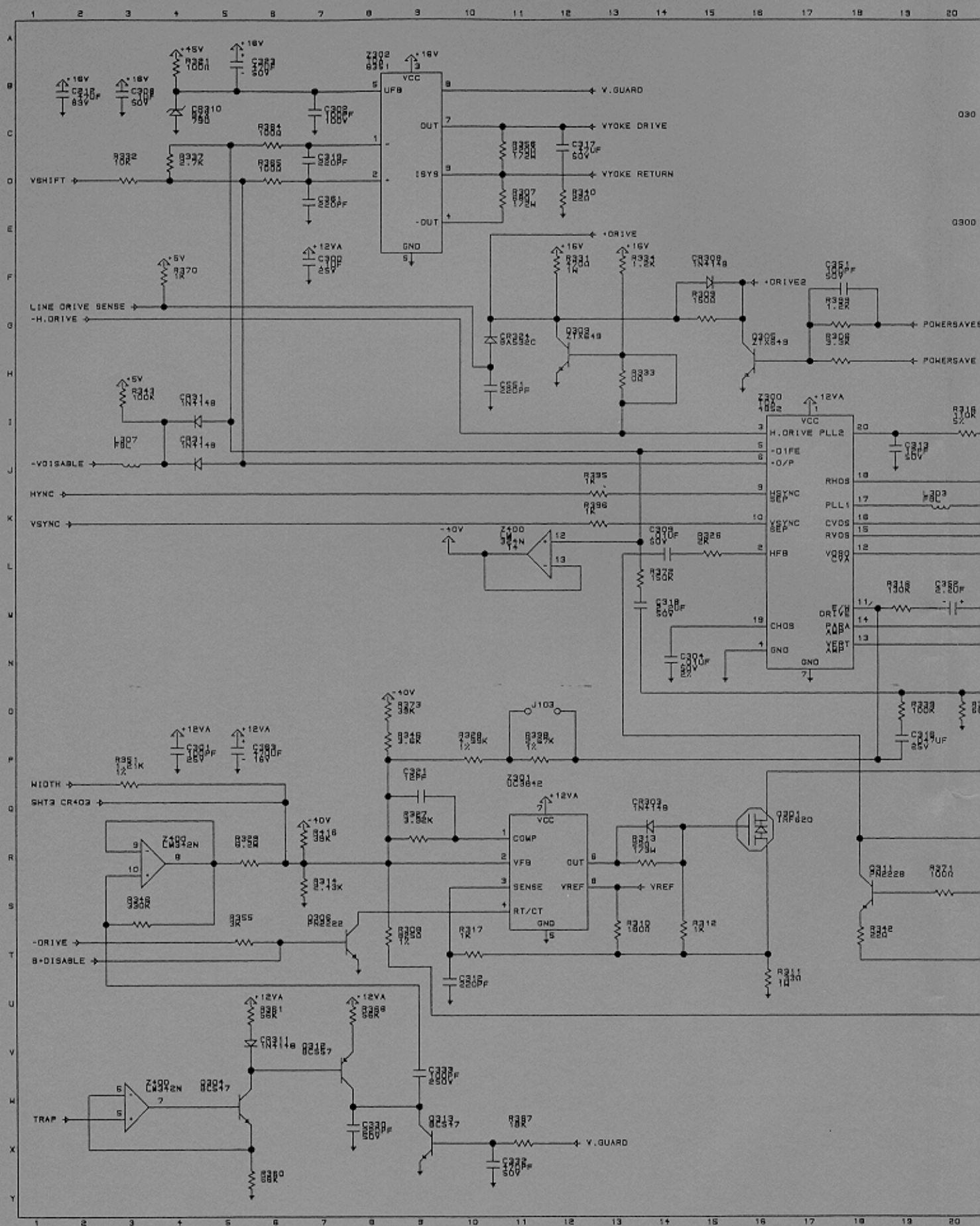
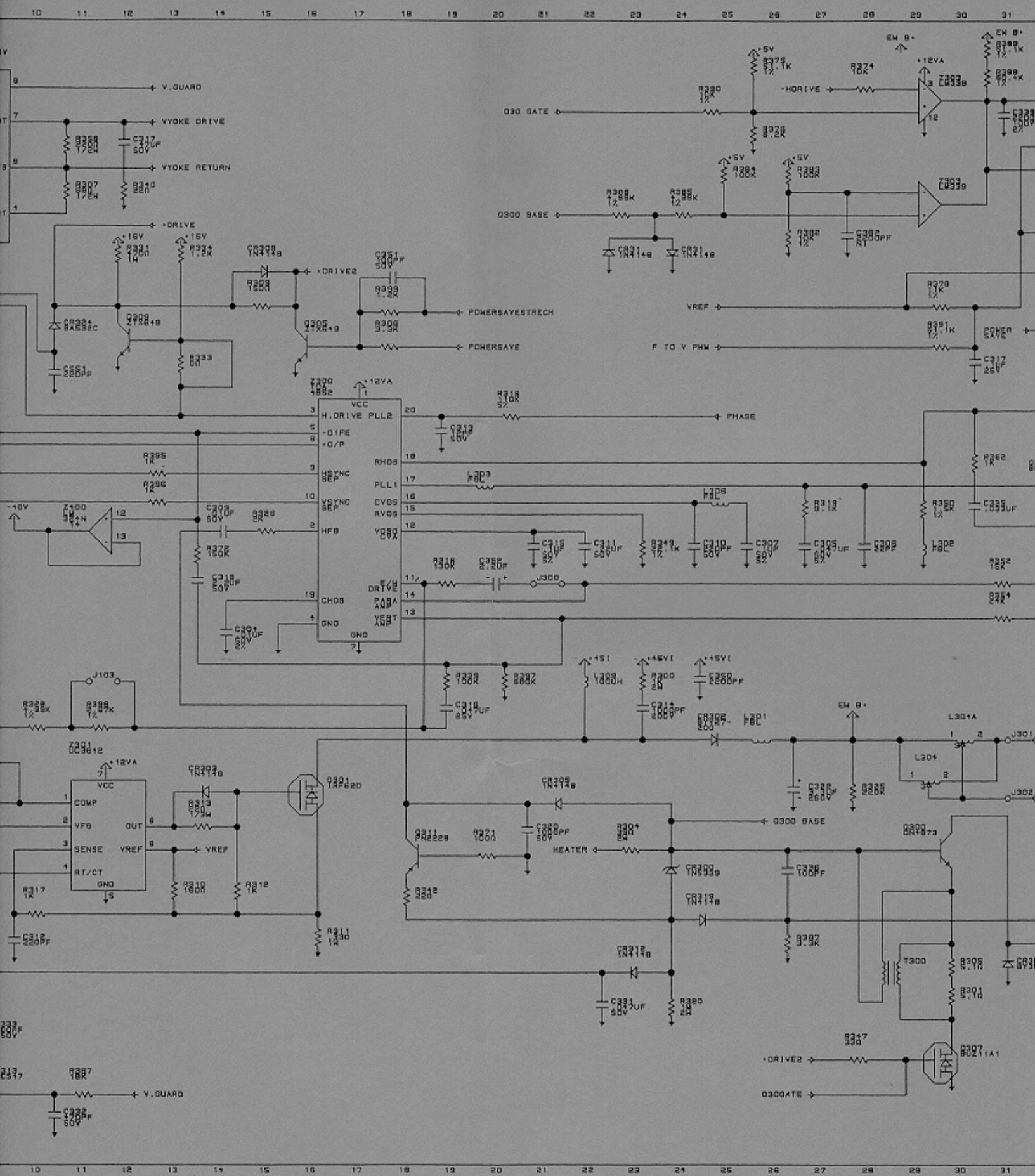
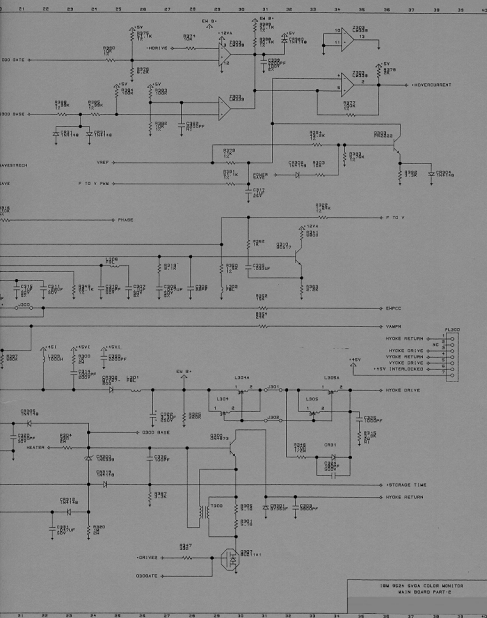
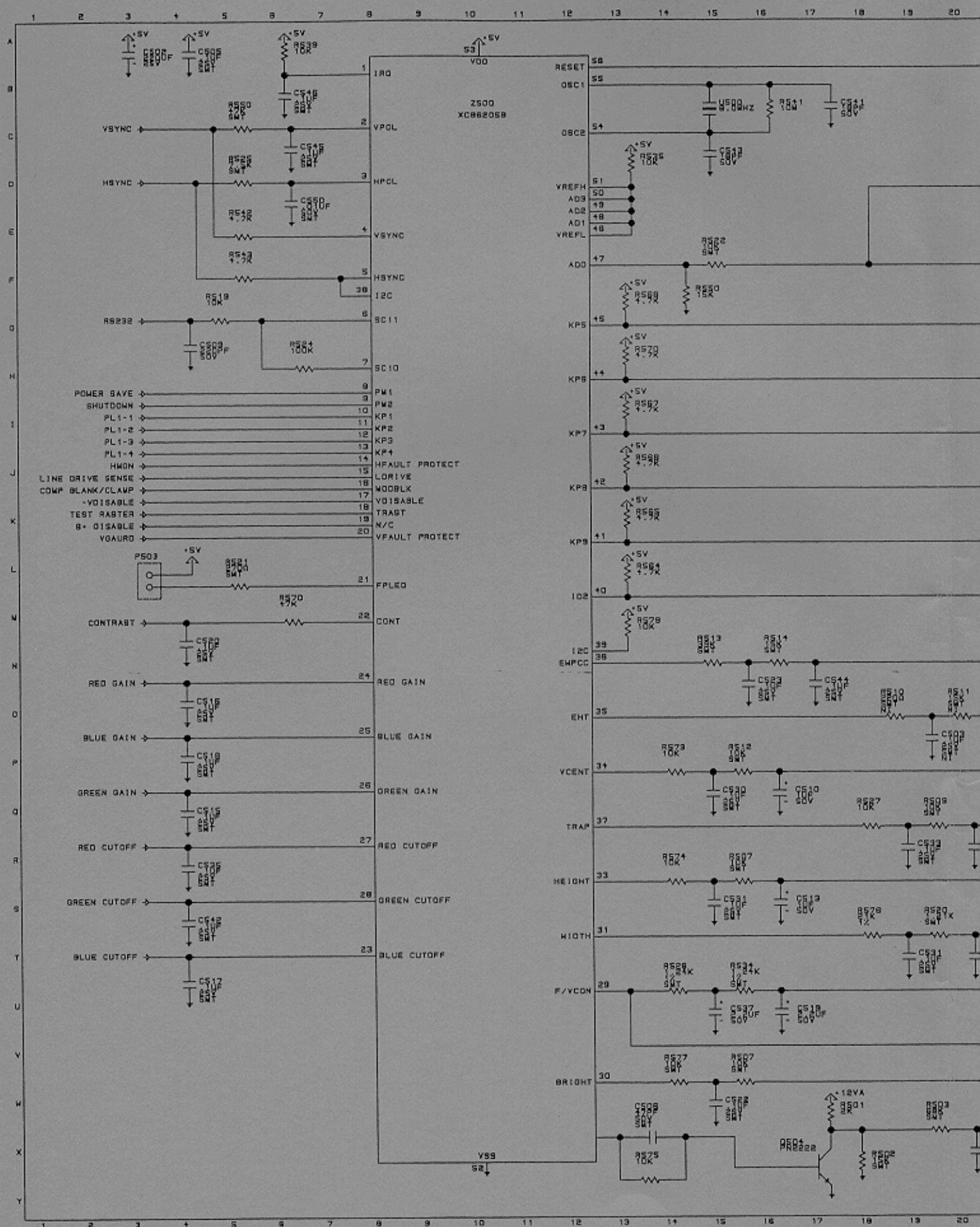


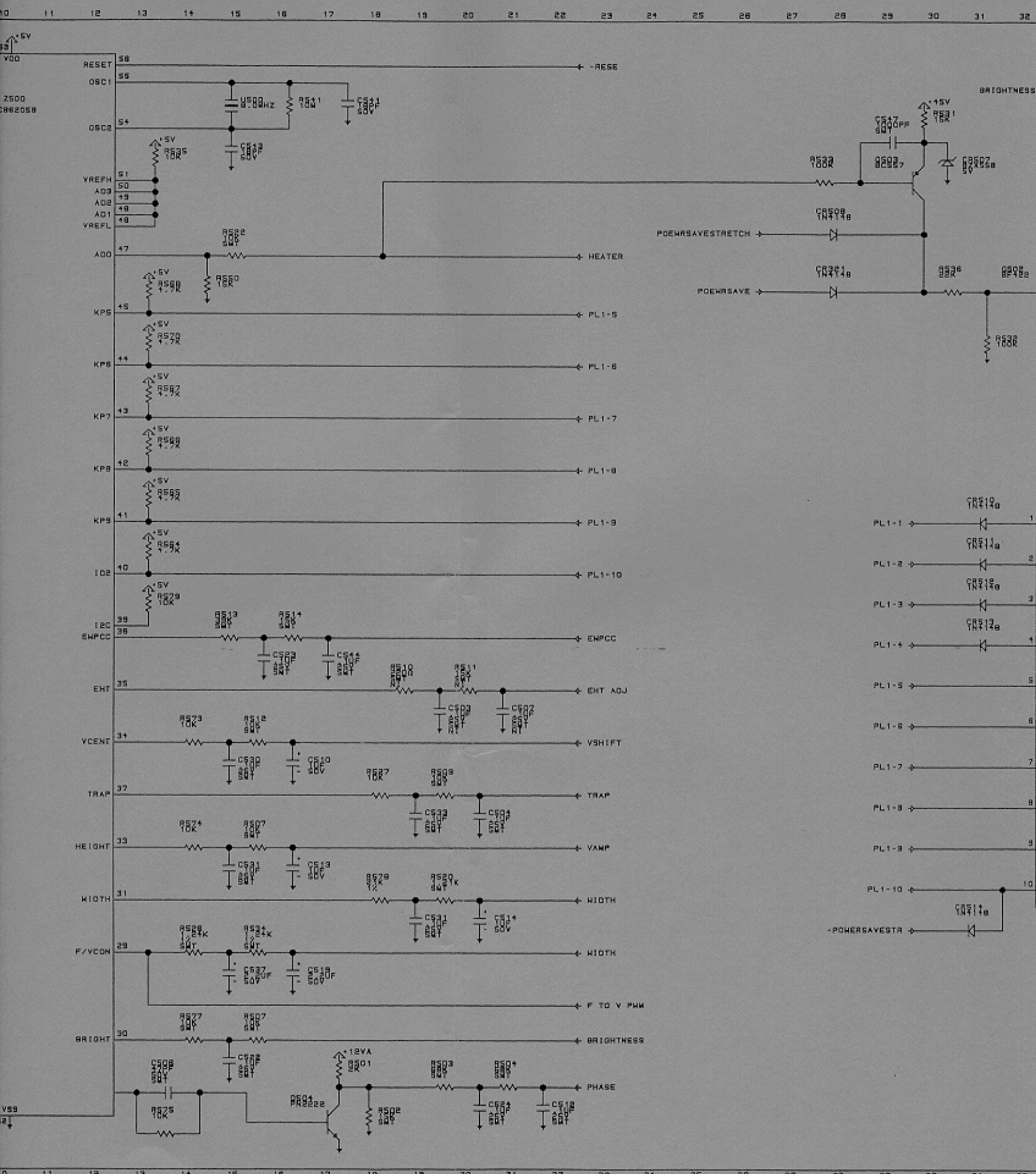


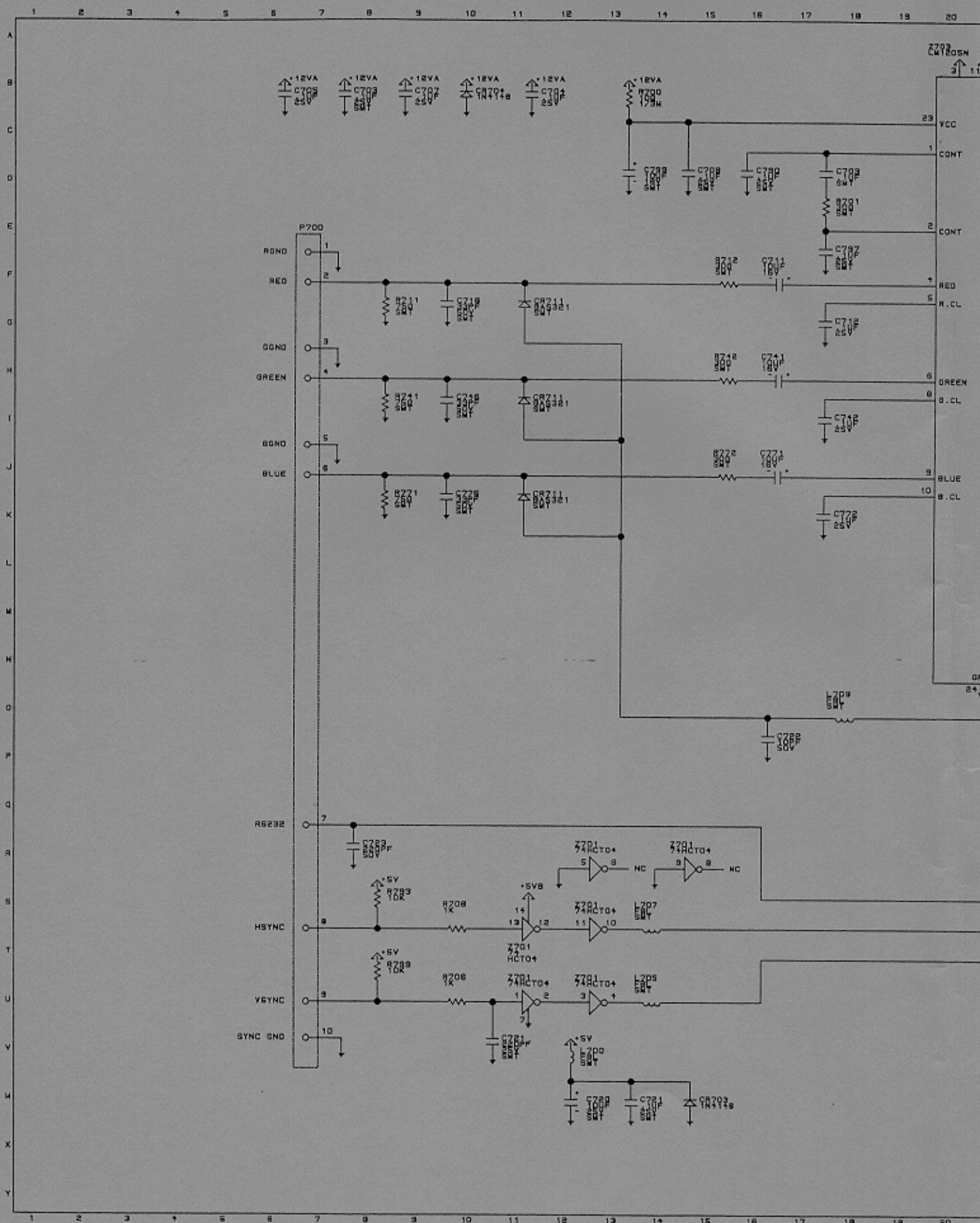


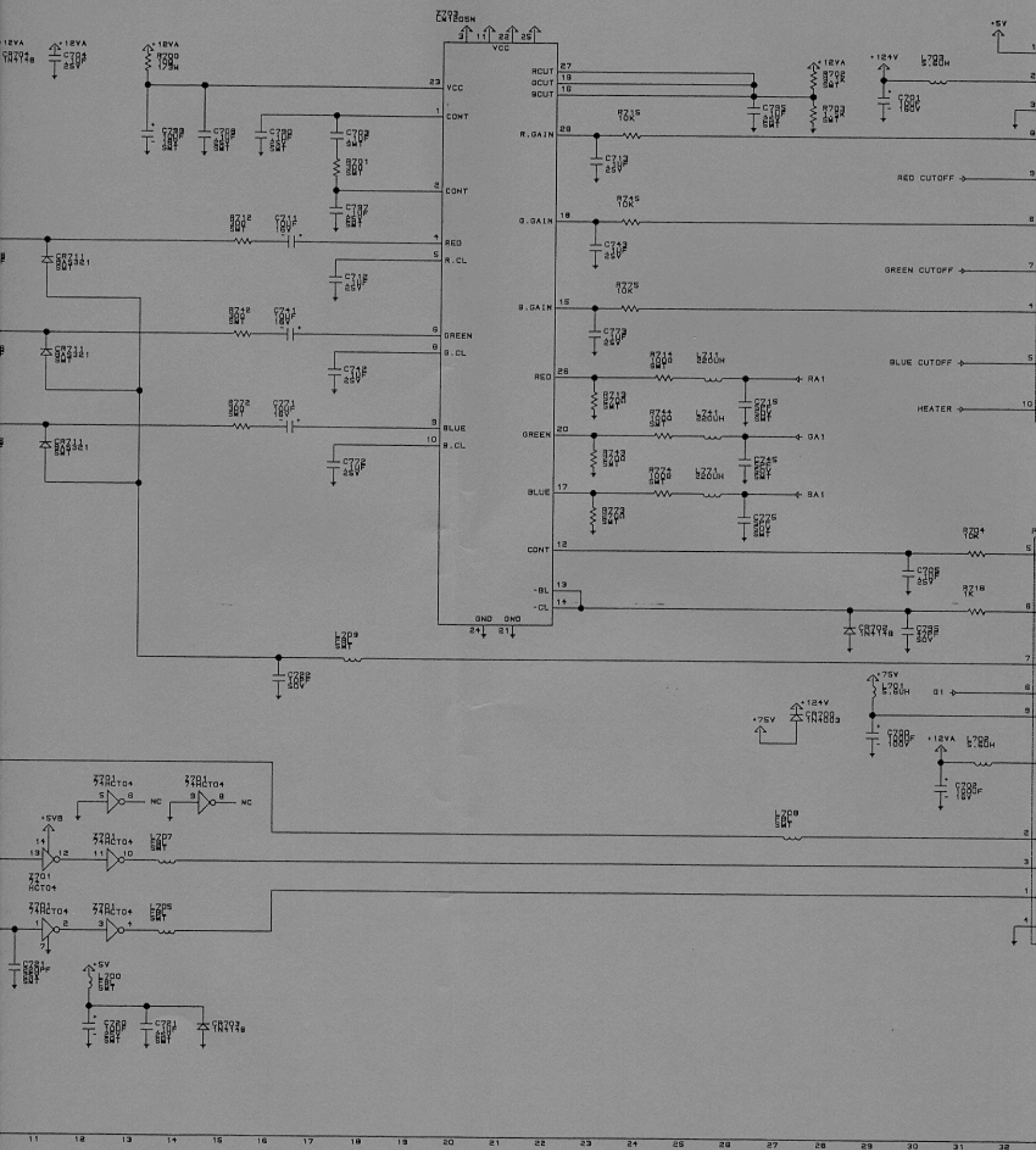


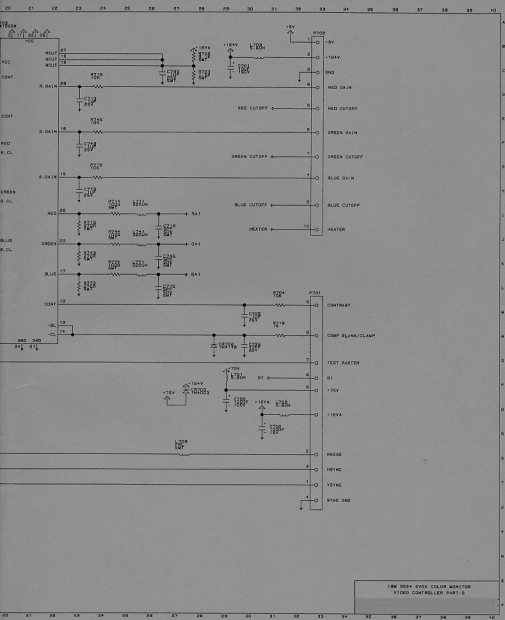








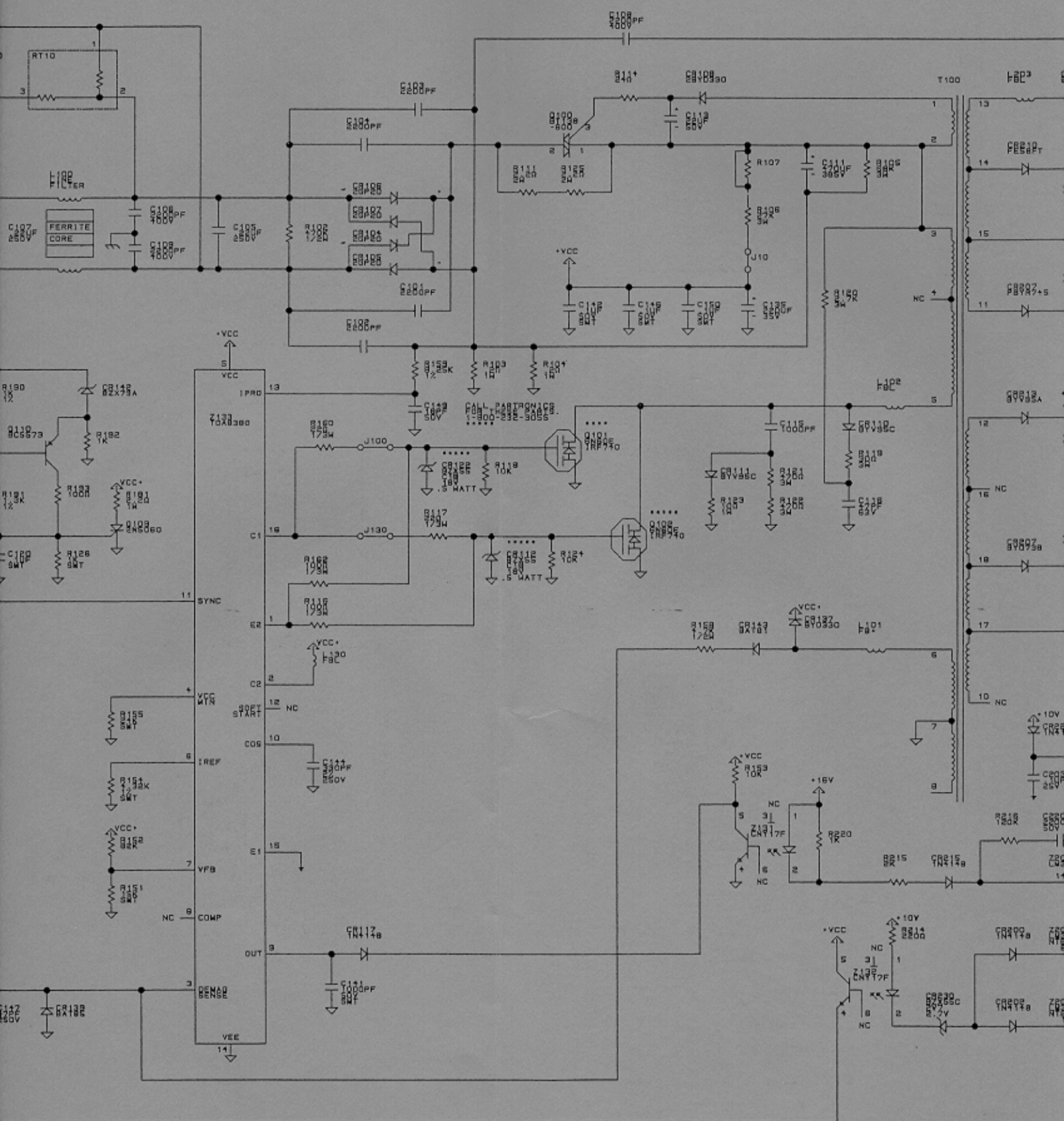


IBM 5014+ 5144 COLOR MONITOR
VIDEO CONTROLLER PART-2


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C111      470UF      385V      SHT 1 GRID E 27
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C115      1000PF      SHT 1 GRID J 26
C116      47PF      63V      SHT 1 GRID L 27
C120      .1UF      SMT      SHT 1 GRID M 9
C121      2200PF      SHT 1 GRID S 4
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C301      100PF      25V      SHT 4 GRID P 4
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C303      3900PF      SHT 4 GRID U 33
C304      .01UF      50V      2%      SHT 4 GRID N 15
C305      .047UF      50V      5%      SHT 4 GRID L 27
C306      22PF      SHT 4 GRID L 28
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C314	1000PF	200V		SHT 4 GRID P 24
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C323	47UF	50V		SHT 4 GRID B 6
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C325	1000PF			SHT 4 GRID Q 35
C330	220PF	50V		SHT 4 GRID X 8
C331	.047UF	50V		SHT 4 GRID V 23
C332	470PF	50V		SHT 4 GRID X 11
C333	100PF	250V		SHT 4 GRID V 9
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C339	2200PF	100V	2%	SHT 4 GRID C 31
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C351	100PF	50V		SHT 4 GRID F 18
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C402	100UF	250V		SHT 3 GRID B 5
C403	1UF	200V		SHT 3 GRID D 18
C407	820PF			SHT 3 GRID E 23
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C410	2.2UF	1KV		SHT 3 GRID H 24
C413	220PF	500V		SHT 3 GRID I 12
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C421	3.3UF	250V		SHT 3 GRID D 6
C431	470UF	16V		SHT 3 GRID H 17
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C441	47PF	50V		SHT 3 GRID S 12
C450	10UF	200V		SHT 3 GRID L 31
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C452	1UF	50V		SHT 3 GRID R 7
C460	120PF			SHT 3 GRID C 7
C470	2.2UF	500V		SHT 3 GRID D 15
C502	.039UF	250V		SHT 2 GRID K 26
C502	220UF	25V		SHT 5 GRID A 3

C503	.1UF	25V	SMT	SHT 5 GRID P 20
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C533	.1UF	25V	SMT	SHT 5 GRID R 19
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C535	.1UF	25V	SMT	SHT 5 GRID R 4
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C542	.1UF	25V	SMT	SHT 5 GRID S 4
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C708	.1UF	25V	SMT	SHT 6 GRID D 15
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C712	.1UF	25V		SHT 6 GRID G 18
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C716	33PF	50V	SMT	SHT 6 GRID G 10

C720	10UF	25V	SMT	SHT 6 GRID W 13
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C722	10PF	50V		SHT 6 GRID P 17
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C805	.039UF	250V		SHT 2 GRID L 26
C806	2200PF			SHT 2 GRID T 25
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C816	.1UF	100V		SHT 2 GRID B 16
C817	1000PF	500V		SHT 2 GRID B 17
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C847	1000PF	500V		SHT 2 GRID I 17
C848	1UF	250V		SHT 2 GRID K 16
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C870	.1UF	25V	SMT	SHT 2 GRID W 8
C873	47PF	NI		SHT 2 GRID W 11
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C875	.1UF	25V	SMT	SHT 2 GRID V 6
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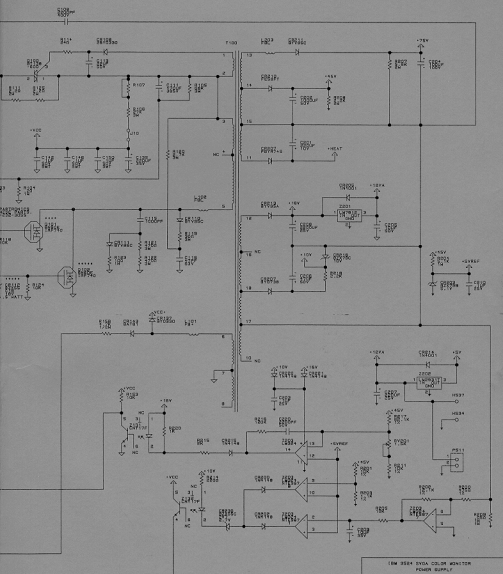
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Q312	BC557		SHT 4 GRID V 7
Q313	BC547		SHT 4 GRID W 9
Q401	BC557		SHT 3 GRID C 37
Q402	BC547		SHT 3 GRID D 34
Q403	PN222A		SHT 3 GRID H 10
Q405	IRF620		SHT 3 GRID F 20
Q410	BF422		SHT 3 GRID K 33
Q411	BF422		SHT 3 GRID N 33
Q421	PN2228		SHT 3 GRID S 13
Q501	2N5403		SHT 5 GRID C 36
Q502	BF422		SHT 5 GRID F 32
Q503	BC557		SHT 5 GRID D 29
Q504	PN2222		SHT 5 GRID X 16
Q810	BFQ253		SHT 2 GRID D 13
Q811	BFQ232A		SHT 2 GRID C 13
Q812	BFQ163		SHT 2 GRID G 9
Q814	BFQ232A		SHT 2 GRID E 9
Q815	BF422		SHT 2 GRID G 17
Q840	BFQ253		SHT 2 GRID L 13
Q841	BFQ232A		SHT 2 GRID K 13
Q842	BFQ163		SHT 2 GRID O 9
Q844	BFQ232A		SHT 2 GRID M 9
Q845	BF422		SHT 2 GRID O 17
Q870	BFQ253		SHT 2 GRID T 13
Q871	BFQ232A		SHT 2 GRID R 13
Q872	BFQ163		SHT 2 GRID V 9
Q874	BFQ232A		SHT 2 GRID U 9
Q875	BF422		SHT 2 GRID W 17
Q876	2N5401		SHT 2 GRID F 19
Q906	2N5401		SHT 2 GRID N 19
Q936	2N5401		SHT 2 GRID V 19
R100	75Ω	1W	SHT 1 GRID B 9
R101	.33Ω	2W	SHT 1 GRID E 7
R102	470K	1/2W	SHT 1 GRID F 16
R103	.2Ω	1W	SHT 1 GRID I 19
R104	.2Ω	1W	SHT 1 GRID I 21
R105	68K	3W	SHT 1 GRID E 28
R106	27K	3W	SHT 1 GRID F 25
R107			SHT 1 GRID E 25
R111	2.2Ω	2W	SHT 1 GRID E 20

R114	24Ω			SHT 1 GRID C 22
R116	100Ω	1/3W		SHT 1 GRID N 16
R117	22Ω	1/3W		SHT 1 GRID L 18
R118	10K			SHT 1 GRID K 20
R119	30Ω	3W		SHT 1 GRID K 27
R120	2.7K	3W		SHT 1 GRID G 27
R121	470Ω	3W		SHT 1 GRID K 26
R122	470Ω	3W		SHT 1 GRID L 26
R123	10Ω	1W		SHT 1 GRID L 24
R124	10K			SHT 1 GRID M 21
R125	2.2Ω	2W		SHT 1 GRID E 21
R126	1K	SMT		SHT 1 GRID M 11
R134	1K	SMT		SHT 1 GRID L 8
R135	560K			SHT 1 GRID J 6
R136	8.2K			SHT 1 GRID J 8
R137	1M			SHT 1 GRID S 3
R138	2.2K			SHT 1 GRID J 3
R151	15K	SMT		SHT 1 GRID T 12
R152	82K			SHT 1 GRID S 12
R153	10K			SHT 1 GRID Q 25
R154	4.32K	1%	SMT	SHT 1 GRID R 12
R155	24K	SMT		SHT 1 GRID P 12
R158	4.7K	1/2W		SHT 1 GRID N 24
R159	8.25K	1%		SHT 1 GRID I 18
R160	22Ω	1/3W		SHT 1 GRID J 16
R161	27K			SHT 1 GRID I 8
R162	100Ω	1/3W		SHT 1 GRID M 16
R181	2.2Ω	1W		SHT 1 GRID L 12
R190	1K	1%		SHT 1 GRID I 9
R191	1.3K	1%		SHT 1 GRID L 9
R192	1K			SHT 1 GRID J 11
R193	100Ω			SHT 1 GRID L 11
R200	475Ω	1%		SHT 1 GRID U 39
R201	10K	1%		SHT 1 GRID T 35
R202	12.1K	1%		SHT 1 GRID U 37
R203	1.1K	1%		SHT 1 GRID U 35
R204	5.1K	1W		SHT 1 GRID L 38
R205	10K			SHT 1 GRID V 35
R207	5.6K	2W		SHT 1 GRID D 36
R208	2.2K	2W		SHT 1 GRID E 33
R209	.05Ω	1W	1W	SHT 1 GRID V 39
R211	10K	1%		SHT 1 GRID T 36
R214	220Ω			SHT 1 GRID U 28
R215	2K			SHT 1 GRID S 28
R216	120K			SHT 1 GRID R 30
R217	82.1K	1%		SHT 1 GRID R 36
R218	2.2K			SHT 1 GRID L 33
R220	1K			SHT 1 GRID S 27
R300	1K	2W		SHT 4 GRID O 24
R301	5.1Ω			SHT 4 GRID V 30
R303	10K			SHT 4 GRID G 33

R304	33Ω	2W		SHT 4 GRID R 23
R305	5.1Ω			SHT 4 GRID U 30
R306	3.3K			SHT 4 GRID G 18
R307	68Ω	1/2W		SHT 4 GRID D 11
R308	825Ω	1%		SHT 4 GRID T 9
R309	150Ω			SHT 4 GRID F 15
R310	180Ω			SHT 4 GRID S 13
R311	.33Ω	1W		SHT 4 GRID T 17
R312	1K			SHT 4 GRID S 15
R313	22Ω	1/3W		SHT 4 GRID R 14
R314	2.43K			SHT 4 GRID S 7
R315	3.9K	2W	NI	SHT 4 GRID R 35
R316	110K	5%		SHT 4 GRID I 20
R316	130K			SHT 4 GRID L 19
R317	1K			SHT 4 GRID T 10
R319	9.1K			SHT 4 GRID K 27
R320	1M	2W		SHT 4 GRID V 24
R321	100Ω			SHT 4 GRID B 4
R322	1.24K	1%		SHT 4 GRID I 33
R325	220K			SHT 4 GRID Q 28
R326	2K			SHT 4 GRID K 15
R327	3.92K			SHT 4 GRID Q 9
R328	4.99K	1%		SHT 4 GRID P 10
R329	6.2M			SHT 4 GRID R 5
R331	470Ω	1W		SHT 4 GRID F 12
R332	10K			SHT 4 GRID D 3
R333	0Ω			SHT 4 GRID H 14
R334	1.2K			SHT 4 GRID F 14
R337	2.7K			SHT 4 GRID D 4
R339	100K			SHT 4 GRID O 19
R340	22Ω			SHT 4 GRID D 12
R341	680Ω			SHT 4 GRID J 33
R342	22Ω			SHT 4 GRID T 18
R343	100K			SHT 4 GRID H 3
R346	3.6K			SHT 4 GRID P 9
R346	330K			SHT 4 GRID S 3
R346	470Ω	1/2W		SHT 4 GRID S 32
R347	33Ω			SHT 4 GRID W 28
R349	22.1K	1%		SHT 4 GRID L 24
R350	1.5K	1%		SHT 4 GRID K 30
R351	1.21K	1%		SHT 4 GRID P 3
R352	15K			SHT 4 GRID L 31
R354	24K			SHT 4 GRID M 31
R355	3K			SHT 4 GRID S 5
R356	220Ω	1/2W		SHT 4 GRID C 11
R360	68K			SHT 4 GRID Y 6
R361	56K			SHT 4 GRID U 6
R362	1K			SHT 4 GRID J 31
R363	2.2K			SHT 4 GRID L 33
R364	100Ω			SHT 4 GRID C 6
R365	100Ω			SHT 4 GRID D 6

R366	56K		SHT 4 GRID U 8
R367	18K		SHT 4 GRID W 11
R370	1K		SHT 4 GRID F 4
R371	100Ω		SHT 4 GRID R 20
R372	150K		SHT 4 GRID L 14
R373	39K		SHT 4 GRID O 9
R374	10K		SHT 4 GRID B 28
R375	51.1K	1%	SHT 4 GRID B 26
R376	6.2K		SHT 4 GRID C 26
R377	100K	1%	SHT 4 GRID D 34
R378	2K		SHT 4 GRID C 36
R379	11K	1%	SHT 4 GRID F 29
R382	10K	1%	SHT 4 GRID E 27
R383	100K		SHT 4 GRID D 27
R384	100K		SHT 4 GRID D 25
R385	4.99K	1%	SHT 4 GRID D 24
R386	4.99K	1%	SHT 4 GRID D 23
R387	3.3K		SHT 4 GRID U 27
R388	60.4K	1%	SHT 4 GRID B 31
R389	51.1K	1%	SHT 4 GRID A 31
R390	10K	1%	SHT 4 GRID B 25
R391	51.1K	1%	SHT 4 GRID G 29
R392	3.3K		SHT 4 GRID G 37
R393	5.76K	1%	SHT 4 GRID G 35
R394	43.2K	1%	SHT 4 GRID F 33
R395	1K		SHT 4 GRID J 13
R396	1K		SHT 4 GRID K 13
R397	680K		SHT 4 GRID O 21
R398	2.67K	1%	SHT 4 GRID P 11
R399	1.2K		SHT 4 GRID G 18
R402	1.2K		SHT 3 GRID D 11
R403	2K	1W	SHT 3 GRID D 17
R405	180Ω		SHT 3 GRID H 12
R406	3K		SHT 3 GRID H 9
R407	1K		SHT 3 GRID I 14
R408	10K		SHT 3 GRID H 7
R409	220K	NI	SHT 3 GRID F 9
R410	10K		SHT 3 GRID B 11
R411	1K		SHT 3 GRID H 18
R412	.39Ω		SHT 3 GRID I 20
R413	220K		SHT 3 GRID E 22
R414	22Ω	1/3W	SHT 3 GRID F 17
R415	3.9K		SHT 3 GRID T 13
R416	39K		SHT 4 GRID R 7
R417	470Ω		SHT 3 GRID B 34
R418	10K		SHT 3 GRID D 38
R419	10K		SHT 3 GRID D 36
R420	10K		SHT 3 GRID C 36
R421	22Ω		SHT 3 GRID D 33
R422	39.2K	1%	SHT 3 GRID C 13
R430	10Ω		SHT 3 GRID I 28



R431	10Ω	1/3		SHT 3 GRID K 28
R432	1.2K			SHT 3 GRID N 7
R434	3K			SHT 3 GRID N 9
R435	24K			SHT 3 GRID F 29
R442	100Ω			SHT 3 GRID K 32
R443	20K	1%		SHT 3 GRID N 34
R444	3.32K	1%		SHT 3 GRID O 34
R445	100K			SHT 3 GRID E 11
R445	1K			SHT 3 GRID C 6
R448	19.2K	1%		SHT 3 GRID M 34
R450	1.5K			SHT 3 GRID O 9
R450	4.7Ω	2W		SHT 3 GRID C 15
R451	4.7K			SHT 3 GRID T 12
R456	10K			SHT 3 GRID I 32
R465	15K			SHT 3 GRID K 32
R467	33Ω	1/3W		SHT 3 GRID J 14
R468	3.3K			SHT 3 GRID U 5
R469	100K			SHT 3 GRID S 8
R471	4.63K	1%		SHT 3 GRID T 7
R471	65K			SHT 3 GRID P 7
R473	1K			SHT 3 GRID F 34
R476	820K			SHT 3 GRID A 32
R479	22.1K	1%		SHT 3 GRID B 33
R480	47.5K	1%		SHT 3 GRID C 33
R501	2K			SHT 5 GRID W 18
R502	15K	SMT		SHT 5 GRID X 18
R503	68K	SMT		SHT 5 GRID W 19
R504	68K	SMT		SHT 5 GRID W 21
R506	560K			SHT 5 GRID E 35
R507	10K	SMT		SHT 5 GRID R 15
R507	10K	SMT		SHT 5 GRID V 15
R509	10K	SMT		SHT 5 GRID Q 19
R510	220Ω	SMT	NI	SHT 5 GRID O 19
R511	15K	SMT	NI	SHT 5 GRID O 20
R512	10K	SMT		SHT 5 GRID P 15
R513	39K	SMT		SHT 5 GRID N 15
R514	15K	SMT		SHT 5 GRID N 16
R519	10K			SHT 5 GRID F 5
R520	1.21K	SMT		SHT 5 GRID S 19
R521	270Ω	SMT		SHT 5 GRID L 5
R522	10K	SMT		SHT 5 GRID E 15
R524	100K			SHT 5 GRID G 6
R525	7.5K	SMT		SHT 5 GRID D 5
R526	1.24K	1%	SMT	SHT 5 GRID T 14
R527	10K			SHT 5 GRID Q 18
R529	30K			SHT 5 GRID C 38
R530	47K			SHT 5 GRID E 33
R531	15K			SHT 5 GRID C 30
R532	100K			SHT 5 GRID H 32
R533	100K			SHT 5 GRID D 28
R534	1.24K	1%	SMT	SHT 5 GRID T 15

R535	10K		SHT 5 GRID D 14
R536	22K		SHT 5 GRID F 30
R539	10K		SHT 5 GRID A 7
R541	10M		SHT 5 GRID B 17
R542	4.7K		SHT 5 GRID E 5
R543	4.7K		SHT 5 GRID F 5
R545	39K		SHT 5 GRID B 33
R550	15K		SHT 5 GRID F 15
R550	47K	SMT	SHT 5 GRID B 5
R564	4.7K		SHT 5 GRID L 14
R565	4.7K		SHT 5 GRID K 14
R566	4.7K		SHT 5 GRID J 14
R567	4.7K		SHT 5 GRID I 14
R568	4.7K		SHT 5 GRID F 14
R570	4.7K		SHT 5 GRID H 14
R570	47K		SHT 5 GRID M 6
R573	10K		SHT 5 GRID P 14
R574	10K		SHT 5 GRID R 14
R575	10K		SHT 5 GRID X 13
R576	21K	1%	SHT 5 GRID S 18
R577	10K	SMT	SHT 5 GRID V 14
R579	10K		SHT 5 GRID M 14
R700	10 Ω	1/3W	SHT 6 GRID B 14
R701	30 Ω	SMT	SHT 6 GRID D 18
R702	9.1K	SMT	SHT 6 GRID B 28
R703	1.5K	SMT	SHT 6 GRID C 28
R704	10K		SHT 6 GRID L 31
R706	1K		SHT 6 GRID U 10
R708	1K		SHT 6 GRID S 10
R711	75 Ω	SMT	SHT 6 GRID G 9
R712	30 Ω	SMT	SHT 6 GRID F 15
R713	270 Ω	SMT	SHT 6 GRID I 23
R714	100 Ω	SMT	SHT 6 GRID I 24
R715	10K		SHT 6 GRID C 24
R716	1K		SHT 6 GRID N 31
R741	75 Ω	SMT	SHT 6 GRID I 9
R742	30 Ω	SMT	SHT 6 GRID H 15
R743	270 Ω	SMT	SHT 6 GRID K 23
R744	100 Ω	SMT	SHT 6 GRID J 24
R745	10K		SHT 6 GRID E 24
R771	75 Ω	SMT	SHT 6 GRID K 9
R772	30 Ω	SMT	SHT 6 GRID J 15
R773	270 Ω	SMT	SHT 6 GRID L 23
R774	100 Ω	SMT	SHT 6 GRID K 24
R775	10K		SHT 6 GRID G 24
R793	10K		SHT 6 GRID S 9
R799	10K		SHT 6 GRID T 9
R800	330 Ω		SHT 2 GRID Q 24
R801	47 Ω	1/2W	SHT 2 GRID K 25
R802	2.2K		SHT 2 GRID I 26
R811	100 Ω	1/3W	SHT 2 GRID E 15

R814	56Ω	1W	SHT 2 GRID H 11
R815	47Ω	1/2W	SHT 2 GRID C 20
R816	100Ω	NI	SHT 2 GRID G 11
R817	100Ω	1/3W	SHT 2 GRID B 15
R818	30Ω	SMT	SHT 2 GRID G 7
R819	200K		SHT 2 GRID E 19
R820	100K		SHT 2 GRID D 16
R821	200K	SMT	SHT 2 GRID F 18
R822	10Ω	NI	SHT 2 GRID D 11
R823	22K	SMT	SHT 2 GRID H 18
R824	680Ω	6W	SHT 2 GRID A 12
R826	10K		SHT 2 GRID G 15
R827	470K		SHT 2 GRID C 17
R829	100Ω	SMT	SHT 2 GRID E 7
R841	100Ω	1/3W	SHT 2 GRID M 15
R844	56Ω	1W	SHT 2 GRID P 11
R845	47Ω	1/2W	SHT 2 GRID K 20
R846	100Ω	NI	SHT 2 GRID O 11
R847	100Ω	1/3W	SHT 2 GRID J 15
R848	30Ω	SMT	SHT 2 GRID O 7
R849	200K		SHT 2 GRID L 19
R850	100K		SHT 2 GRID L 16
R851	200K	SMT	SHT 2 GRID N 18
R852	10Ω	NI	SHT 2 GRID L 11
R853	22K	SMT	SHT 2 GRID P 18
R854	680Ω	6W	SHT 2 GRID I 12
R856	10K		SHT 2 GRID O 15
R857	470K		SHT 2 GRID K 17
R859	100Ω	SMT	SHT 2 GRID M 7
R871	100Ω	1/3W	SHT 2 GRID U 15
R874	56Ω	1W	SHT 2 GRID X 11
R875	47Ω	1/2W	SHT 2 GRID S 20
R876	100Ω	NI	SHT 2 GRID W 11
R877	100Ω	1/3W	SHT 2 GRID R 15
R878	30Ω	SMT	SHT 2 GRID V 7
R879	200K		SHT 2 GRID T 19
R880	100K		SHT 2 GRID T 16
R881	200K	SMT	SHT 2 GRID U 18
R882	10Ω	NI	SHT 2 GRID T 11
R883	22K	SMT	SHT 2 GRID X 18
R884	680Ω	6W	SHT 2 GRID Q 12
R886	10K		SHT 2 GRID W 15
R887	470K		SHT 2 GRID S 17
R889	100Ω	SMT	SHT 2 GRID U 7
R889	1K	NI	SHT 2 GRID C 18
R901	100Ω		SHT 2 GRID C 12
R902	100Ω	SMT	SHT 2 GRID D 12
R919	1K	NI	SHT 2 GRID J 18
R931	100Ω		SHT 2 GRID K 12
R932	100Ω	SMT	SHT 2 GRID L 12
R949	1K	NI	SHT 2 GRID R 18

R961	100Ω		SHT 2 GRID R 12
R962	100Ω	SMT	SHT 2 GRID T 12
RT10			SHT 1 GRID B 10
RV201	1.5K		SHT 1 GRID S 36
RV400	23K		SHT 3 GRID B 13
SW100			SHT 1 GRID E 5
T100			SHT 1 GRID C 29
T300			SHT 4 GRID U 29
T400	F.B.T.		SHT 3 GRID C 25
U500	8.0MHZ		SHT 5 GRID B 15
Z131	CNY17F		SHT 1 GRID S 25
Z132	CNY17F		SHT 1 GRID V 27
Z133	TDA8380		SHT 1 GRID J 14
Z201		LM7812	SHT 1 GRID J 34
Z202		LM2931T	SHT 1 GRID Q 37
Z203	LM324		SHT 1 GRID S 31
Z203	LM324	NTE987	SHT 1 GRID U 31
Z203	LM324	NTE987	SHT 1 GRID V 31
Z203	LM324	NTE987	SHT 1 GRID V 37
Z300	TDA	4852	SHT 4 GRID I 16
Z301	UC3842		SHT 4 GRID P 11
Z302	TDA	8351	SHT 4 GRID A 8
Z303	LM339		SHT 4 GRID A 35
Z303	LM339		SHT 4 GRID B 30
Z303	LM339		SHT 4 GRID C 35
Z303	LM339		SHT 4 GRID D 30
Z400	LM	324N	SHT 4 GRID K 11
Z400	LM342N		SHT 4 GRID R 4
Z400	LM342N		SHT 4 GRID W 3
Z400	OP	NTE987	SHT 3 GRID C 10
Z401	UC3842		SHT 3 GRID E 13
Z402	74	123	SHT 3 GRID Q 9
Z402	74	123	SHT 3 GRID T 9
Z500			SHT 5 GRID B 10
Z701	74	HCT04	SHT 6 GRID T 11
Z701	74HCT04		SHT 6 GRID R 12
Z701	74HCT04		SHT 6 GRID R 14
Z701	74HCT04		SHT 6 GRID S 12
Z701	74HCT04		SHT 6 GRID U 11
Z701	74HCT04		SHT 6 GRID U 12
Z703	LM1205N		SHT 6 GRID A 20

