R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1	200	5	0.25	R39	560	5	0.25
R2	2.4 k	5	0.5	R40	1.5	20	1
R3	27 k	5	0.25	R41	1 M	5	0.5
R4	27 k	5	0.25	R42	10 k	5	1
R5	130 k	1	0.9	R43	33 M	5	0.5
R6	118 k	1	0.9	R44	30 k	5	0.25
R7	1.5	20	1	R45	47 k	5	0.25
R8	130 k	1	0.9	R46	33 M	5	0.5
R9	10 k	1	0.9	R47	1 k	5	0.25
R10	2 k	5	0.25	R48	47 k	5	0.25
R11	3 k	5	0.25	R49	1 k	5	0.25
R12	3 k	5	0.25	R50	2 M	5	1
R13	100	5	0.25	R51	33 M	5	0.5
R14	750	5	0.25	R52	30 k	5	0.25
R15	100	5	0.25	R53	30 k	5	0.25
R16	0.2	5		R54	100 k	5	0.25
R17	51	5	0.25	R55	36 k	5	0.25
R18	1 k	5	0.25	R56	1 M	5	0.25
R19	10 k	1	0.9	R57	100 k	5	0.25
R20	20 k	1	0.9	R58	1 M	5	0.25
R21	10 k	1	0.9	R59	220 k	5	0.25
R22	1.2 k	5	0.25	R60	47 k	5	0.25
R23	750	5	0.25	R61	22	5	0.25
R24	150	5	0.25	R62	22	5	0.25
R25	15	5	2	R63	1 k	5	0.25
R26	100	5	0.25	R64	100	5	0.25
				R65	22	5	0.25
R31	10 k	1	0.9	R66	1 k	5	0.25
R32	10 k	1	0.9	R67	750	5	0.25
R33	100 k	5	0.25	R68	13 k	5	0.25
R34	330 k	5	0.25				
R35	10 k	5	0.25	R70	4.7 k	5	0.25
R36	2 k	5	0.25	R71	4.7 k	5	0.25
R37	1 k	5	0.25				
R38	86.6 k	1	0.9	R81	30 k	5	0.25

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R82	2.2 k	5	0.25	R121	3.3 k	5	0.25
R83	10	5	0.25	R122	180	5	0.25
R84	3.92 k	1	0.9	R123	1.6 k	5	0.25
R85	4.7 k	5	0.25	R124	15 k	5	0.25
R86	510	5	0.25	R125	47	5	0.25
R87	470	5	0.25	R126	60.4 k	1	0.9
R88	750	1	0.9	R127	150 k	5	0.25
R89	215	1	0.9	R128	150 k	5	0.25
R90	3.01 k	1	0.9	R129	49.9 k	1	0.9
R91	10 k	1	0.9	R130	12 k	5	0.25
R92	1.2 k	5	0.25	R131	4.99 k	1	0.9
R93	68 k	5	0.25	R132	5.11 k	1	0.9
R94	1.2 k	5	0.25	R133	HPR 530		
R95	200	5	0.25	R134	3.3 k	5	0.25
R96	18.2 k	1	0.9	R135	3.3 k	5	0.25
R97	470	5	0.25	R136	3.3 k	5	0.25
R98	1.2 k	5	0.25	R139	1.3 k	5	0.25
R101	1.5 k	5	0.25	R151	1 k	5	0.25
R102	10	5	0.25	R152	24 k	5	0.25
R103	510	5	0.25	R153	10 k	5	0.25
R104	4.7 k	5	0.25	R154	5.62 k	1	0.9
R105	3.3 k	5	0.25	R155	10	5	0.25
R106	10	5	0.25	R156	100	5	0.25
R107	HPR 531			R157	30 k	5	0.25
R108	HPR 531			R158	4.7 k	5	0.25
R109	360	5	0.25	R159	360	5	0.25
R110	360	5	0.25	R160	1 k	5	0.25
R111	100	5	0.25	R161	680	5	0.25
R112	10 k	5	0.25	R162	1.2 k	5	0.25
R113	10 k	5	0.25	R163	1.82 k	1	0.9
R114	2 k	5	0.25	R164	10 k	5	0.25
R115	27 k	5	0.25	R165	200	5	0.25
R116	27 k	5	0.25	R166	4.7 k	5	0.25

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R167	300	5	0.25	R201	51 k	5	0.25
R168	510	5	0.25	R237	1.3 k	5	0.25
R169	510	5	0.25	R276	9.1 k	5	0.25
R170	510	5	0.25	R278	1 k	5	0.25
R171	150	5	0.25	R280	10 k	5	0.25
R172	470	5	0.25	R285	1 k	5	0.25
R173	2.94 k	1	0.9	R286	33 k	5	0.25
R174	510	5	0.25	R287	20 k	5	0.25
R175	39 k	5	0.25	R288	100 k	5	0.25
R176	15 k	5	0.25	R289	1 k	5	0.25
R177	10 k	5	0.25	R290	1.1 k	5	0.25
R178	39 k	5	0 25	R291	2.7 k	5	0.25
R179	10 k	5	0.25				
R180	4.7 k	5	0.25	R301	330	5	0.25
R181	510	5	0.25	R302	1 M	5	0.25
R182	15 k	5	0.25	R303	1.3 k	5	0.25
R183	510	5	0.25	R304	1 M	5	0.25
R184	100	5	0.25	R305	1 M	5	0.25
R185	6.2 k	5	0.25	R306	1.3 k	5	0.25
R186	8.2 k	5	0.25	R307	51 k	5	0.25
R187	3.9 k	5	0.25	R308	51 k	5	0.25
				R309	1.3 k	5	0.25
R189	6.98 k	1	0.9	R310	1 M	5	0.25
R190	4.87 k	1	0.9	R319	2.2 k	5	0.25
R191	158	1	0.9	R320	100 k	5	0.25
R192	2 k	1	0.9	R322	100 k	5	0.25
R193	360	5	0.25	R323	5.1 k	5	0.25
R194	22	5	0.25	R324	1 M	5	0.25
R195	8.06 k	1	0.9	R325	1.3 k	5	0.25
R196	1 k	5	0.25	R326	3.3 k	5	0.25
R197	150	5	0.25	R327	1 k	5	0.25
R198	1 k	5	0.25	R328	10 k	5	0.25
R199	1 k	5	0.25	R329	15 k	5	0.25

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R330	220	5	0.25	R379	820	5	0.25
R331	1.69 k	1	0.9	R380	1 k	5	0.25
R332	221	1	0.9	R381	1.3 k	5	0.25
R333	221	1	0.9	R382	1 M	5	0.25
R334	221	1	0.9				
R335	221	1	0.9	R401	2.7 k	5	0.25
R340	100 k	5	0.25	R402	47 k	5	0.25
R341	3.3 k	5	0.25	R403	523	1	0.9
R342	330	5	0.25	R404	169	1	0.9
R343	330	5	0.25	R405	2 k	1	0.9
R351	100	5	0.25	R406	2 k	1	0.9
R352	75	5	0.25	R407	200	5	0.25
R353	200	5	0.25	R408	1	0.1ohm	0.25
R354	200	5	0.25	R409	576	1	0.9
R355	820	5	0.25	R410	576	1	0.9
R356	33	5	0.25	R411	75	5	0.25
R357	15 k	5	0.25	R412	1.5 k	5	0.25
R358	1.6 k	5	0.25	R413	62	5	0.25
R359	13 k	5	0.25	R414	715	1	0.9
R360	4.7 k	5	0.25	R415	51 k	5	0.25
R361	15 k	5	0.25	R416	1 k	5	0.25
R362	4.7 k	5	0.25	R417	1	0.1ohm	0.25
R363	10	5	0.25	R418	1 k	5	0.25
R364	200 k	5	0.25	R419	100	5	0.25
R365	7.15 k	1	0.9	R420	576	1	0.9
R366	4.7 k	5	0.25	R421	5.9 k	1	0.9
R367	15 k	5	0.25	R422	18.2 k	1	0.9
R368	2 k	5	0.25	R423	18.2 k	1	0.9
R373	510	5	0.25	R424	300	5	0.25
R374	2.49 k	1	0.9	R425	100	5	0.25
R375	2 k	5	0.25	R426	1.6 k	5	0.25
R376	820	5	0.25	R427	1.6 k	5	0.25
R377	4.7 k	5	0.25	R428	300	5	0.25
R378	2 k	5	0.25	R429	20 k	1	0.9

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R430	20 k	1	0.9	R471	3.3 k	5	0.25
R431	560	5	0.25	R472	24 k	5	0.25
R432	560	5	0.25	R473	24 k	5	0.25
R433	47	5	0.25	R474	20 k	5	0.25
R434	22	5	0.25	R475	24 k	5	0.25
R435	75 k	5	0.25	R476	20 k	5	0.25
R436	2.74 k	1	0.9	R477	220 k	5	0.25
R437	619	1	0.9	R478	10	5	0.25
R438	1.05 k	1	0.9	R479	1.96 k	1	0.9
R439	360 k	5	0.25	R480	5.11 k	1	0.9
R440	360 k	5	0.25	R481	64.9 k	1	0.9
R441	430	5	0.25	R482	100	5	0.25
R442	47	5	0.25				
R443	22	5	0.25	R491	1 k	5	0.25
				R492	68 k	5	0.25
R451	100	5	0.25	R493	390	5	0.25
R452	820 k	5	0.25	R494	2.4 k	5	0.25
R453	220 k	5	0.25	R495	6.2 k	5	0.25
R454	768	1	0.9	R496	200	5	0.25
R455	576	1	0.9	R497	100	5	0.25
R456	10 k	5	0.25	R498	100	5	0.25
R457	15 k	5	0.25	R499	360	5	0.5
R458	7.32 k	1	0.9				
R459	5.76 k	1	0.9	R501	39	5	0.125
R460	510	5	0.25	R502	10	5	0.125
R461	510	5	0.25	R503	10	5	0.125
R462	150	5	0.25	R505	898 k	0.5	0.35
R463	1.5 k	5	0.25	R506	111 k	0.5	0.9
R464	2 k	5	0.25	R507	47	5	0.125
R465	2 k	5	0.25	R510	988 k	0.5	0.35
R466	909	1	0.9	R511	10.1 k	0.5	0.9
R467	270	5	0.25	R512	130	5	0.125
R468	5.1 k	5	0.25	R514	1 M	0.5	0.35
R469	91	5	0.25	R515	475 k	1	0.9
R470	360	5	0.25	R516	10	5	0.25

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R517	365	1	0.9	R611	1.2 k	5	0.25
R518	100	5	0.25	R612	1 M	5	0.25
R519	8.2 k	5	0.25	R621	82	5	0.25
R520	220	5	0.25	R622	39	5	0.25
R521	100	5	0.25	R623	360 k	5	0.25
R522	332	1	0.9	R624	806	1	0.9
R523	150	5	0.25	R625	806	1	0.9
R524	5.36 k	1	0.9	R626	200	5	0.25
R525	HPR 529			R627	499	1	0.9
R526	51	5	0.25	R628	499	1	0.9
				R629	100	5	0.25
R551	330	5	0.25	R630	178	1	0.9
R552	330	5	0.25	R631	681	1	0.9
R558	39 k	5	0.25	R632	220 k	5	0.25
R559	39 k	5	0.25	R633	909	1	0.9
R560	1 M	5	0.25	R634	909	1	0.9
R561	1 M	5	0.25	R635	51 k	5	0.25
R566	1 M	5	0.25	R636	100 k	5	0.25
R568	100 k	5	0.25	R637	2 k	5	0.25
R569	100 k	5	0.25	R638	2 k	5	0.25
R570	1.2 k	5	0.25	R639	1 k	1	0.9
R571	39 k	5	0.25	R640	1 k	1	0.9
				R641	47	5	0.25
R580	39 k	5	0.25	R642	47	5	0.25
R581	39 k	5	0.25	R643	100	1	0.9
R583	1 M	5	0.25	R644	200	5	0.25
R592	1.2 k	5	0.25	R645	200	5	0.25
				R646	4.7 k	5	0.25
R601	1.2 k	5	0.25	R647	1.5 k	5	0.25
R605	1.2 k	5	0.25	R648	100 k	5	0.25
R606	1.2 k	5	0.25	R649	100 k	5	0.25
R607	1 M	5	0.25	R650	3.3 k	5	0.25
R608	1 M	5	0.25	R651	3.3 k	5	0.25
R609	1 M	5	0.25	R652	909	1	0.9
R610	1.2 k	5	0.25	R653	909	1	0.9

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R654	24 k	5	0.25	R689	3.3 k	5	0.25
R655	280	1	0.9	R690	909	1	0.9
R656	20	5	0.25	R691	909	1	0.9
R657	20	5	0.25	R692	24 k	5	0.25
R659	82	5	0.25	R693	280	1	0.9
R660	39	5	0.25	R694	20	5	0.25
R661	360 k	5	0.25	R695	20	5	0.25
R662	806	1	0.9	R696	20 k	5	0.25
R663	806	1	0.9	R697	20 k	5	0.25
R664	200	5	0.25				
R665	499	1	0.9	R779	36.5 k	1	0.9
R666	499	1	0.9	R780	10 k	1	0.9
R667	100	5	0.25	R781	820	5	0.25
R668	178	1	0.9	R782	147	1	0.9
R669	681	1	0.9	R783	147	1	0.9
R670	220 k	5	0.25	R790	20 k	5	0.25
R671	909	1	0.9	R791	20 k	5	0.25
R672	909	1	0.9				
R673	51 k	5	0.25	R801	28 k	1	0.9
R674	100 k	5	0.25	R802	1.5 k	1	0.9
R675	2 k	5	0.25	R803	1.5 k	1	0.9
R676	2 k	5	0.25	R804	137	1	0.9
R677	1 k	1	0.9	R805	2.21 k	1	0.9
R678	1 k	1	0.9	R806	280	1	0.9
R679	47	5	0.25	R807	1 M	5	0.25
R680	47	5	0.25	R808	14.3 k	1	0.9
R681	100	1	0.9	R809	931	1	0.9
R682	200	5	0.25	R810	499	1	0.9
R683	200	5	0.25	R811	51	5	0.25
R684	4.7 k	5	0.25	R812	499	1	0.9
R685	1.5 k	5	0.25	R813	931	1	0.9
R686	100 k	5	0.25	R814	750	5	0.5
R687	100 k	5	0.25	R815	750	5	0.5
R688	3.3 k	5	0.25	R816	43.2	1	0.9

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R817	43.2	1	0.9	R847	430	1	7
R818	75	5	0.25	R848	200	5	0.25
R819	75	5	0.25	R849	200	5	0.25
R820	330	5	0.25	R850	220	5	0.25
R821	390	5	0.25	R851	36	5	0.25
R822	390	5	0.25	R852	100	1	0.9
R823	499	1	0.9	R853	100	1	0.9
R824	499	1	0.9	R854	100	1	0.9
R825	301	1	0.9	R855	100	1	0.9
R826	301	1	0.9	R856	7.5	5	0.5
R827	56	5	0.25				
R828	110	5	0.25	R901	330	5	0.25
R829	3 k	5	0.25	R902	330	5	0.25
R830	100 k	5	0.25	R903	330	5	0.25
R831	200 k	5	0.25	R904	330	5	0.25
R832	442	1	0.9	R905	330	5	0.25
R833	442	1	0.9	R906	22	5	0.25
R834	10	5	0.25	R907	22	5	0.25
R835	10	5	0.25	R908	22	5	0.25
R836	274	1	0.9	R909	22	5	0.25
R837	274	1	0.9	R910	100 k	5	0.25
R839	3.9 k	5	0.25	R911	1 k	5	0.25
R841	100	1	0.9	R912	680	5	0.25
R842	150	1	0.9	R913	5.6 k	5	0.25
R843	150	1	0.9	R914	560	5	0.25
R844	1.2 k	5	0.25	R915	6.8 k	5	0.25
R845	62	5	2	R916	3.3 k	5	0.25
R846	430	1	7				
P1	1 k	30	0.5	P34	2 M	20	0.5
P2	1 k	20	0.15	P35	220 k	20	0.15
				P36	2.2 k	30	0.5
P31	22 k	30	0.5				
P32	200 k	20	0.5	P81	2.2 k	20	0.15
P33	470 k	20	0.15	P82	22 k	20	0.15
				P83	10 k	30	0.5

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
P101	10 k	20	0.15	P624	10 k	30	0.5
	220 k	20	0.15	P625	220	30	0.5
P121	1 M	20	0.5	P626	220	30	0.5
P122	1 M	20	0.5	P627	10 k / 1 k	20	0.15
P123	1 M	20	0.5	P628	100	20	0.5
P124	47 k	20	0.15	P629	100 k	30	0.5
P151	22 k	30	0.5	P630	10 k	30	0.5
				P631	220	30	0.5
P351	1 k	30	0.5	P632	220	30	0.5
				P645	10 k	20	0.15
P401	2.2 k / 22 k	20	0.15	P646	10 k	20	0.15
P402	470	30	0.5				
P403	50	20	0.5	P801	2.2 k	30	0.5
P404	220	30	0.5	P802	50	20	0.5
				P803	200	20	0.5
P451	1 k	30	0.5	P804	220	30	0.5
				P805	470	30	0.5
P621	10 k / 1 k	20	0.15				
P622	100	20	0.5	P901	4.7 k	30	0.5
P623	100 k	30	0.5	P902	4.7 k	30	0.5
C1	100 /u		100	C11	47 /u		25
C2	1 n	+50 -20	400	C12	100 n	+50 -20	40
C3	470 /u		100	C13	2200 /u		16
C4	47 p	5	400	C14	2200 /u		16
C5	10 /u		100	C15	100 n	+50 -20	40
C6	2200 /u		16	C16	10 n	+50 -20	40
C7	47 /u		10	C17	1 n	+50 -20	400
C8	4.7 n	+50 -20	40	C18	10 /u		25
C9	100 n	+50 -20	40	C19	47 /u		10
C10	100 n	+50 -20	40	C20	10 /u		40

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C21	2200 /u		25	C52	1 n	20	3 k
C22	2200 /u		25	C53	470 p	+20 −50	3 k
C23	100 n	+50 −20	40	C54	470 p	+20 −50	3 k
C24	100 n	10	100	C55	1 n	20	3 k
				C56	470 p	+20 −50	3 k
C31	100 n	+50 −20	40	C57	470 p	+20 −50	3 k
C32	47 p	5	400	C58	100 p	20	400
C33	100 n	+50 −20	40	C59	100 n	20	250
C34	47 /u		25	C60	100 n	20	250
C35	10 n	+50 −20	40	C61	470 p	+20 −50	3 k
C36	100 n	20	100	C62	470 p	+20 −50	3 k
C37	47 n	+50 −20	40	C63	100 n	20	250
C38	10 n	20	1500	C64	10 n	20	1500
C39	10 n	20	1500	C65	100 n	20	250
C40	180 p	+50 −20	2 k	C66	470 p	+20 −50	3 k
C41	22 n	20	1500	C67	1 n	+50 −20	400
C42	1 n	20	3 k	C68	4.7 n	+50 −20	400
C43	1 n	20	3 k	C69	4.7 n	+50 −20	400
C44	470 p	+20 −50	3 k	C70	100 n	20	400
C45	470 p	+20 −50	3 k	C71	4.7 n	+50 −20	400
C46	1 n	20	3 k	C72	4.7 n	+50 −20	400
C47	470 p	+20 −50	3 k	C73	4.7 n	+50 −20	400
C48	470 p	+20 −50	3 k	C74	4.7 n	+50 −20	400
C49	1 n	20	3 k	C75	1 n	20	3 k
C50	470 p	+20 −50	3 k	C76	1 n	20	3 k
C51	470 p	+20 −50	3 k	C77	1 n	20	3 k

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C78	1 n	20	3 k	C128	100 n	+50 -20	40
C79	100 n	+50 -20	40	C130	910 p	2.5	160
C80	47 /u		25	C131	100 n	5	250
C81	47 /u		10	C132	10 /u	10	63
C82	100 n	+50 -20	40	C133	47 n	10	250
C83	18 p	5	400	C134	4.7 /u		40
C84	100 n	-20 +50	40	C135	1.5 n	+50 -20	400
C85	10 n	10	400	C136	220 n	10	100
C86	100 n	20	100	C137	1 n	+50 -20	400
C87	1 p	0.5p	400				
C88	100 p	20	400	C151	100 n	+50 -20	40
				C152	100 n	+50 -20	40
C101	100 n	+50 -20	40	C153	10 /u		25
C102	10 n	+50 -20	40	C154	1 n	+50 -20	400
C103	47 /u		10	C155	33 p	5	400
C104	82 p	5	400	C156	100 n	+50 -20	40
C105	82 p	5	400	C157	100 n	+50 -20	40
				C158	47 /u		10
C121	100 n	+50 -20	40	C159	10 n	+50 -20	40
C122	100 n	10	50	C160	4.7 n	+50 -20	400
C123	100 n	10	50	C161	27 p	5	400
C124	100 n	10	50	C162	1 n	+50 -20	400
C125	22 p	5	400	C163	1 n	+50 -20	400
C126	82 p	5	400	C164	47 /u		10
C127	5.2-30 p		100	C165	10 /u		25

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C166	220 p	20	400	C356	100 p	20	400
C167	10 /u		25	C357	100 n	+50 -20	40
C168	100 p	20	400	C358	100 n	+50 -20	40
C169	100 p	20	400	C360	1 n	+50 -20	400
C170	220 p	20	400	C361	100 n	10	50
C263	47 p	5	400	C401	100 n	+50 -20	40
C267	100 n	+50 -20	40	C402	100 n	+50 -20	40
C271	220 p	20	400	C403	1000 /u		10
C273	10 n	+50 -20	40	C404	47 /u		10
C281	27 p	5	400	C405	39 p	5	400
C301	100 n	+50 -20	40	C406	10 /u		25
C302	1 n	+50 -20	400	C407	100 n	+50 -20	40
C303	1 n	+50 -20	400	C408	10 /u		25
C304	1 n	+50 -20	400	C409	18 p	5	400
C305	1 n	+50 -20	400	C412	0.2-1.5 p		
C309	100 n	20	50	C413	0.2-1.5 p		
C310	1 n	+50 -20	400	C414	47 n	5	250
C311	1 n	+50 -20	400	C415	47 n	5	250
C312	100 n	+50 -20	40	C416	47 n	5	250
C313	100 n	+50 -20	40	C417	47 n	5	250
C314	10 /u		25	C418	10 n	5	400
C315	100 n	+50 -20	40	C419	10 n	5	400
C316	100 n	+50 -20	40	C420	100 /u		10
C351	10 n	+50 -20	40	C421	10 n	5	400
C352	1.5 p	0.5p	400	C451	22 p	5	400
C353	100 n	+50 -20	40	C452	56 p	5	400
C354	56 p	5	400				

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C453	18 p	5	400	C508	4.7 p	0.5p	400
C454	10 n	+50 -20	40	C509	150 p	5	50
C455	47 /u		10	C511	0.5-4.2 p		
C456	10 n	+50 -20	40	C512	4.7 n	+50 -20	400
C457	2 p	0.5p	400	C513	100 n	10	100
C458	10 n	+50 -20	40	C514	4.7 /u	20	10
C459	22 p	5	400	C515	100 n	10	100
C460	18 p	5	400	C516	100 n	10	100
C461	10 n	+50 -20	40	C517	100 p	20	400
C462	4.7 n	+50 -20	40	C518	100 n	+50 -20	40
C463	4.7 /u		40	C519	8.2 p	0.5p	400
C464	4.7 /u		40	C520	27 p	5	400
C465	10 n	+50 -20	40	C521	10 /u		6.3
C473	10 n	+50 -20	40				
C474	10 n	5	160	C552	1 n	+50 -20	400
C475	100 n	+50 -20	40	C553	100 n	+50 -20	40
C476	10 n	+50 -20	40	C554	100 n	+50 -20	40
C477	100 n	+50 -20	40	C555	100 n	+50 -20	40
C478	15 p	5	400	C556	100 n	+50 -20	40
C501	18 p	5	400	C557	1 n	+50 -20	400
C502	33 n	±10	250	C558	100 n	+50 -20	40
C503	3 p	0.5p	400	C561	1 n	+50 -20	400
C504	0.5-4.2 p			C568	100 /u		16
C506	10 p	5	50	C569	100 /u		16
C507	0.5-4.2 p			C570	100 /u		16

R,P,C

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C571	100 /u		25	C638	100 n	+50 -20	50
C572	100 /u		25	C639	100 n	+50 -20	50
C573	1 n	+50 -20	400	C640	5.2-30 p		100
C574	1 n	+50 -20	400	C641	1 n	20	400
C575	1 n	+50 -20	400	C642	4.2-20 p		100
C576	100 n	+50 -20	40	C667	100 n	+50 -20	40
C577	100 n	+50 -20	40	C668	10 n	+50 -20	40
C578	1 n	+50 -20	400	C669	27 p	5	400
C621	27 p	5	400	C670	27 p	5	400
C622	100 n	+50 -20	40	C673	100 n	+50 -20	40
C623	5.1 p	0.5p	400	C674	100 n	+50 -20	40
C624	10 /u		16	C677	10 n	10	400
C625	3 p	0.5p	400	C678	10 n	10	400
C626	3 p	0.5p	400	C679	82 p	5	400
C627	100 n	+50 -20	40	C680	82 p	5	400
C628	100 n	+50 -20	40	C801	47 /u		35
C629	5.2-30 p		100	C802	100 n	+50 -20	40
C630	1 n	20	400	C803	2.7-10 p		100
C631	4.2-20 p		100	C804	4.7 /u		10
C632	27 p	5	400	C805	100 n	+50 -20	40
C633	100 n	+50 -20	40	C806	18 p	5	400
C634	5.1 p	0.5p	400	C807	18 p	5	400
C635	10 /u		16	C808	8.2 p	0.5p	400
C636	3 p	0.5p	400	C809	8.2 p	0.5p	400
C637	3 p	0.5p	400	C810	2.7-10 p		100

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C811	5.2-30 p		100	C822	100 n	+50 -20	40
C812	10 p	0.5p	400	C823	100 n	+50 -20	40
C813	5.2-30 p		100	C824	100 n	+50 -20	40
C815	120 p	20	400	C901	22 /u		16
C816	15 p	5	400	C902	100 n	+50 -20	40
C817	47 n	10	250	C903	100 n	+50 -20	40
C818	10 p	0.5p	400	C904	22 /u		16
C819	5.2-30 p		100	C905	100 p	20	400
C820	100 n	+50 -20	40	C906	100 p	20	400
C821	100 n	+50 -20	40	C907	1 n	20	400

No		No	
D1	1 N 4004	D46	1 JK 60
D2	1 N 4004	D47	1 JK 60
D3	1 N 4004	D48	1 JK 60
D4	1 N 4004	D49	1 JK 60
D5	1 N 4004	D50	1 JK 60
D6	1 N 4004	D51	1 JK 60
D7	1 N 4004	D52	1 JK 60
D8	1 N 4004	D53	1 JK 60
D9	SY 351/1	D54	1 JK 60
D10	SY 351/1	D55	1 JK 60
D11	SY 351/1	D56	1 JK 60
D12	SY 351/1	D57	1 JK 60
D13	SY 351/1	D58	1 JK 60
D14	SY 351/1	D59	1 JK 60
D15	SY 351/1	D60	1 JK 60
D16	SY 351/1	D61	1 JK 60
D17	1N 4004	D62	1 JK 60
D18	1N 4148	D63	ZY 10
D19	ZY 10	D64	ZPD 22
D20	1N 4148	D81	1N 4148
D31	1N 4148	D82	BZV 46 1V5
D33	1N 4148	D83	1N 4148
D34	1 JK 60	D84	1N 4148
D35	1 JK 60	D86	1N 4148
D36	1 JK 60	D101	1N 4148
D37	1 JK 60	D121	1N 3595 DHD
D38	1 JK 60	D122	1N 4151
D39	1 JK 60	D123	ZPD 10
D40	1 JK 60	D124	VQA 17 F
D41	1 JK 60	D151	1N 4448
D42	1 JK 60	D152	1N 4448
D43	1 JK 60	D153	1N 4448
D44	1 JK 60	D154	VQA 37 F
D45	1 JK 60	D202	1N 4148

No		No	
D225	VQA 17 F	D355	1N 4448
D301	VQA 27 F	D356	VQA 27 F
D302	VQA 27 F	D359	VQA 27 F
D303	VQA 27 F	D363	1N 4148
D306	VQA 27 F	D364	1N 4148
D307	VQA 27 F	D365	1N 4148
D308	1N 4148	D401	1N 4448
D309	1N 4148	D402	1N 4448
D310	VQA 27 F	D403	1N 4148
D311	VQA 27 F	D404	1N 4448
D312	VQA 27 F	D405	1N 4448
D313	VQA 27 F	D406	ZY 22
D314	1N 4148	D407	ZY 22
D315	1N 4148	D451	BAV 45
D316	VQA 27 F	D452	1N 4151
D317	VQA 27 F	D453	BZV 46 1V5
D329	VQA 37 F	D454	1N 4148
D332	1N 4148	D455	1N 4148
D333	1N 4148	D466	1N 4148
D334	1N 4148	D467	1N 4148
D335	1N 4148	D468	ZPD 5.1
D336	VQA 27 F	D503	BAV 45
D337	VQA 27 F	D504	ZPD 5.1
D338	VQA 27 F	D551	1N 4148
D339	BZV 46 1V5	D552	1N 4148
D340	1N 4151	D553	1N 4148
D341	1N 4151	D554	1N 4148
D342	1N 4151	D559	1N 4148
D343	1N 4151	D560	1N 4148
D344	1N 4151	D561	1N 4148
D349	VQA 37 F	D562	1N 4148
D351	1N 4448	D563	VQA 27 F
D352	1N 4448	D564	VQA 27 F
D354	1N 4448	D565	VQA 27 F

No		No	
D566	VQA 27 F	D626	1N 4148
D567	VQA 17 F	D627	1N 4151
D568	VQA 17 F	D628	1N 4151
D569	VQA 27 F	D629	1N 4151
D570	VQA 27 F	D630	1N 4151
D571	VQA 27 F	D642	ZPD 5.1
D573	VQA 27 F	D801	1N 4151
D574	VQA 27 F	D802	1N 4151
D579	VQA 27 F	D803	1N 4151
D580	VQA 27 F	D804	1N 4151
D581	VQA 27 F	D805	1N 4004
D622	1N 4151	D806	1N 4004
D623	1N 4151	D807	ZPD 5.6
D624	1N 4151	D901	1N 4148
D625	1N 4151	D902	1N 4148
TR1	BF 492	TR84	PN 2369
TR2	BC 182 B	TR85	PN 2369
TR3	BD 242 C	TR86	PN 2369
TR4	BC 212 B	TR87	PN 4258
TR5	BC 212 B	TR88	2N 5401
TR6	BD 246 A	TR89	2N 5551
TR7	BD 245 A	TR121	2N 4416
TR8	BC 182 B	TR122	BC 212 B
TR9	BD 241 A	TR123	BC 182 B
TR31	BD 241 A	TR124	BC 182 B
TR32	2N 5551	TR125	BC 182 B
TR33	BF 492	TR151	BC 182 B
TR34	BF 259	TR152	BC 212 B
TR35	BF 259	TR153	BC 182 B
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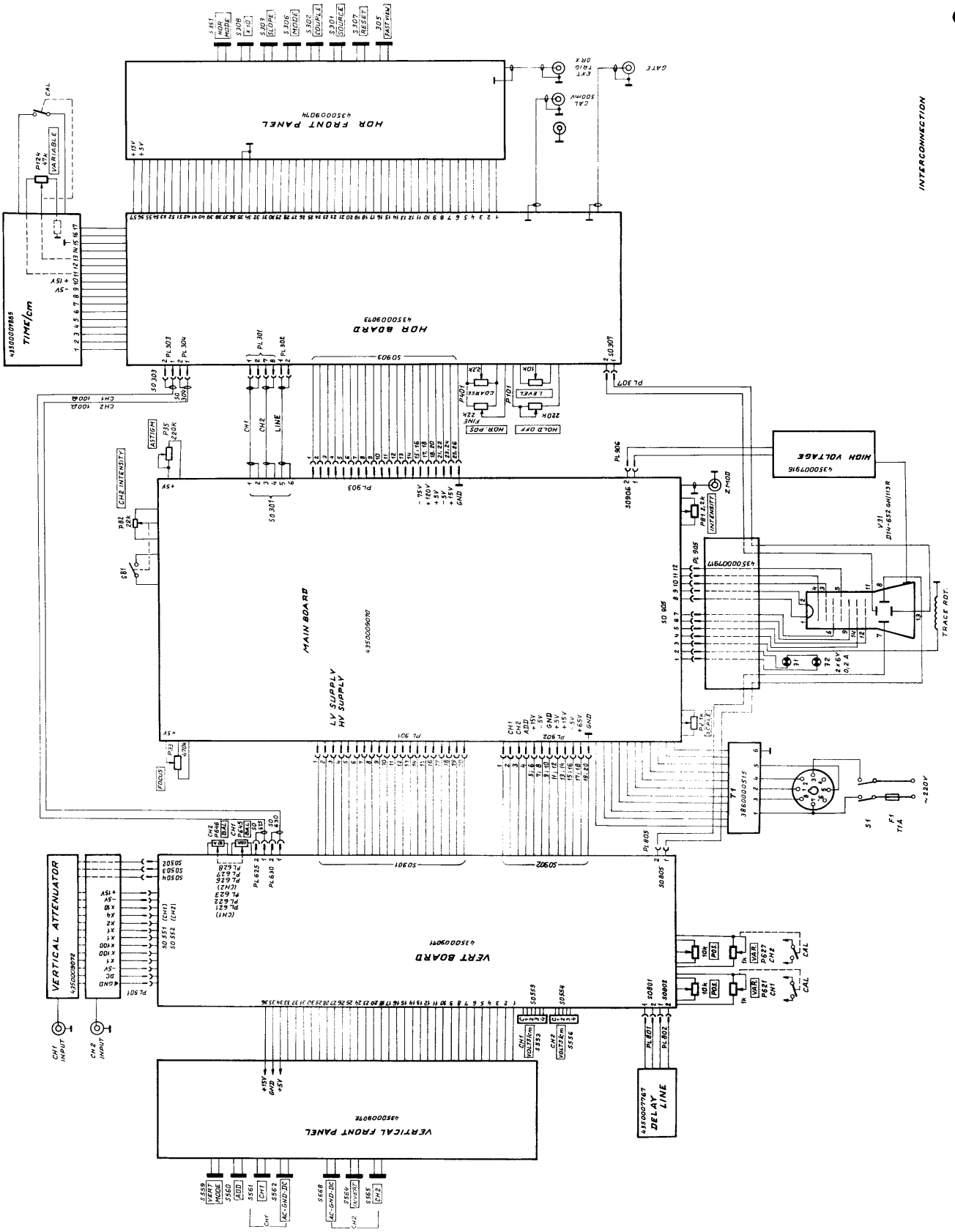
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TR201	BC 182 B	TR455	PN 2369
TR255	PN 4258	TR456	PN 4258
TR259	PN 2369	TR457	PN 4258
TR260	PN 2369	TR458	BC 182 B
TR301	BC 182 B	TR459	BC 182 B
TR302	BC 182 B	TR460	BC 182 B
TR305	BC 212 B	TR461	BC 182 B
TR306	BC 212 B	TR462	PN 2369
TR307	PN 2369	TR501	U 441
TR308	PN 4258	TR599	BC 212 B
TR309	PN 4258	TR560	BC 212 B
TR310	PN 4258	TR563	BC 212 B
TR311	PN 4258	TR573	BC 212 B
TR351	BC 212 B	TR574	BC 212 B
TR353	BC 212 B	TR621	PN 4258
TR401	PN 2369	TR622	PN 4258
TR402	PN 2369	TR623	PN 4258
TR403	PN 4258	TR624	PN 4258
TR404	PN 4258	TR625	PN 4258
TR405	BC 182 B	TR626	PN 4258
TR406	BC 212 B	TR627	PN 4258
TR407	PN 2369	TR628	PN 4258
TR408	PN 4258	TR629	PN 4258
TR409	PN 4258	TR630	PN 4258
TR410	2N 5401	TR631	PN 4258
TR411	2N 5401	TR632	PN 4258
TR412	2N 5551	TR801	PN 4258
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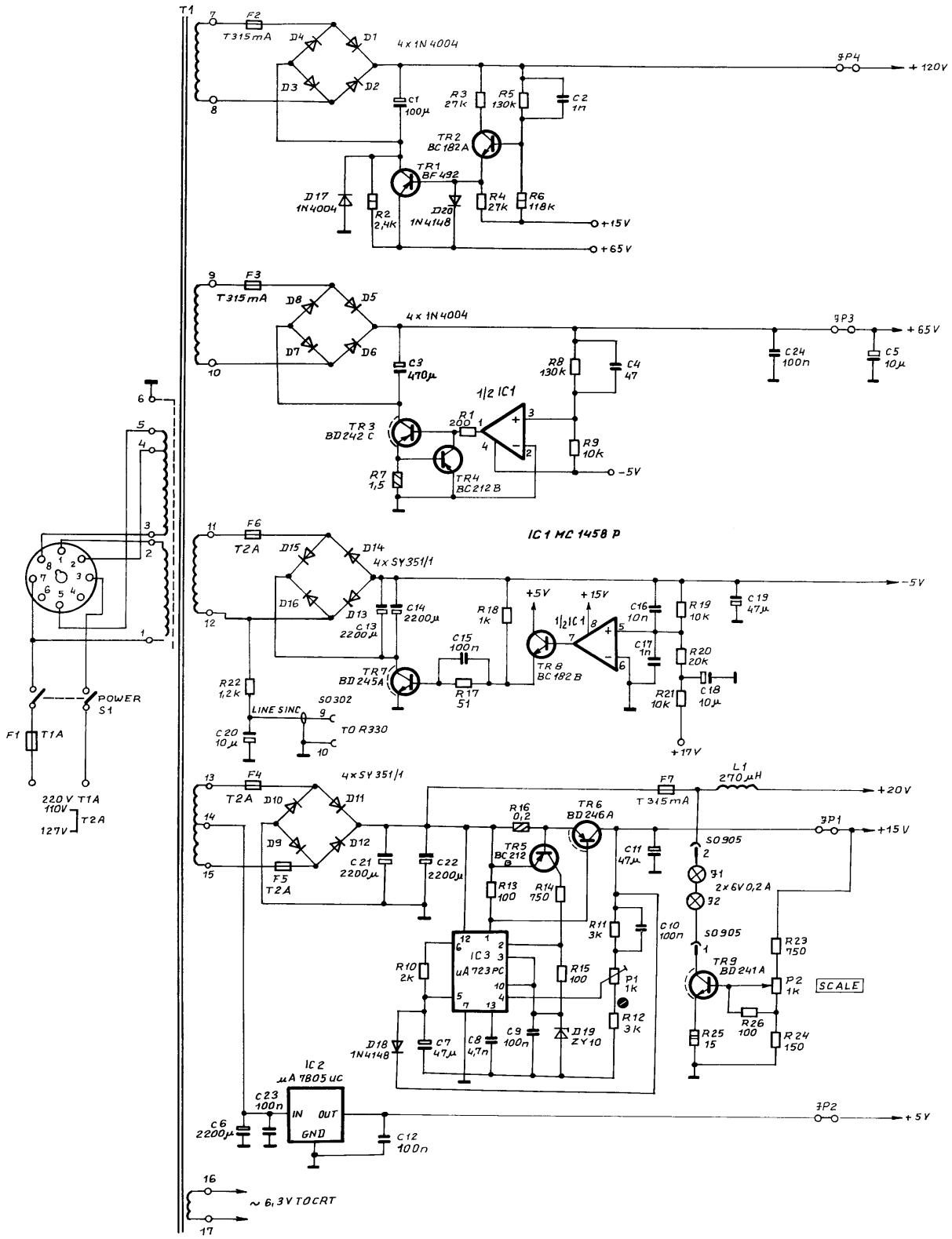
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TR805	BC 212 B	TR812	2N 2894
TR806	BC 212 B	TR813	2N 5109
TR807	BFY 90	TR814	2N 5109
TR808	BFY 90	TR815	2N 5109
TR809	BFY 90	TR816	2N 5109
IC1	MC 1458 P	IC354	4017 BPC
IC2	µA 7805 UC	IC451	B 555 D
IC3	µA 723 PC	IC501	SL 3145 C
IC31	µA 723 PC	IC551	HEF 40106 B
IC101	MC 10216 P	IC552	4017 BPC
IC121	B 082 D	IC553	4013 BPC
IC122	MC 14051 BCP	IC557	4017 BPC
IC151	MC 10115 P	IC562	HEF 40106 B
IC152	MC 10131 P	IC563	HEF 40106 B
IC153	CA 3046	IC621	SL 3145 C
IC154	B 082 D	IC622	B 082 D
IC301	74LS 240 N	IC623	SL 3145 C
IC302	4017 BPC	IC624	B 082 D
IC303	74LS 157 PC	IC901	V 4013 D
IC304	4017 BPC	IC902	V 4013 D
IC305	4013 BPC	IC903	V 4011 D
IC309	74LS 00 PC	IC904	74LS04 PC
IC310	4017 BPC	IC905	74LS10 PC
IC311	4066 BPC	IC906	74LS00 PC
IC312	4093 BPC	IC907	74LS74 PC
IC313	HEF 40106 BP	IC908	74LS00 PC
IC314	HEF 40106 BP	IC909	74LS14 PC
IC351	MC 10115 P	IC910	74LS123 PC
IC352	MC 14071 BCP	IC911	74LS13 PC
IC353	HEF 4049 BP		

No		No	
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TH802	4NTT 47 B	TH805	4NTT 0.22 B
TH803	4NTT 47 B	TH501	4NTT 0.47 A
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L101	7260000863	L508	7260000864
L201	7260000863	L509	7260000864
L401	7260000863	L510	7260000864
L501	7260000864	L621	N100 3.5x1.3x5
L502	7260000864	L622	N100 3.5x1.3x5
L503	7260000864	L625	N100 3.5x1.3x5
L504	7260000864	L626	N100 3.5x1.3x5
L505	7260000864	L627	7260000863
L506	7260000864	L628	7260000863
F1	GO 205 T 1A 250	F5	GO 205 T 2A 250
F2	FST 315 mA 5x20	F6	GO 205 T 2A 250
F3	FST 315 mA 5x20	F7	FST 315 mA 5x20
F4	GO 205 T 2A 250		
RY101	MDRR DT 1156	RY506	MDRR DT 1156
RY201	MDSR 4 1111	RY507	MDSR 4 1111
RY401	MDSR 4 1111	RY508	MDSR 4 1111
RY501	MDSR 4 1111	RY509	MDSR 4 1111
RY502	MDRR DT 1156	RY510	MDSR 4 1111
RY503	MDRR DT 1156	RY623	MDRR DT 1156
RY504	MDRR DT 1156	RY624	MDRR DT 1156
RY505	MDRR DT 1156		
J1	6V 0.2A	G31	N 76052 65V 0.3 mA
J2	6V 0.2A	G32	N 76052 65V 0.3 mA

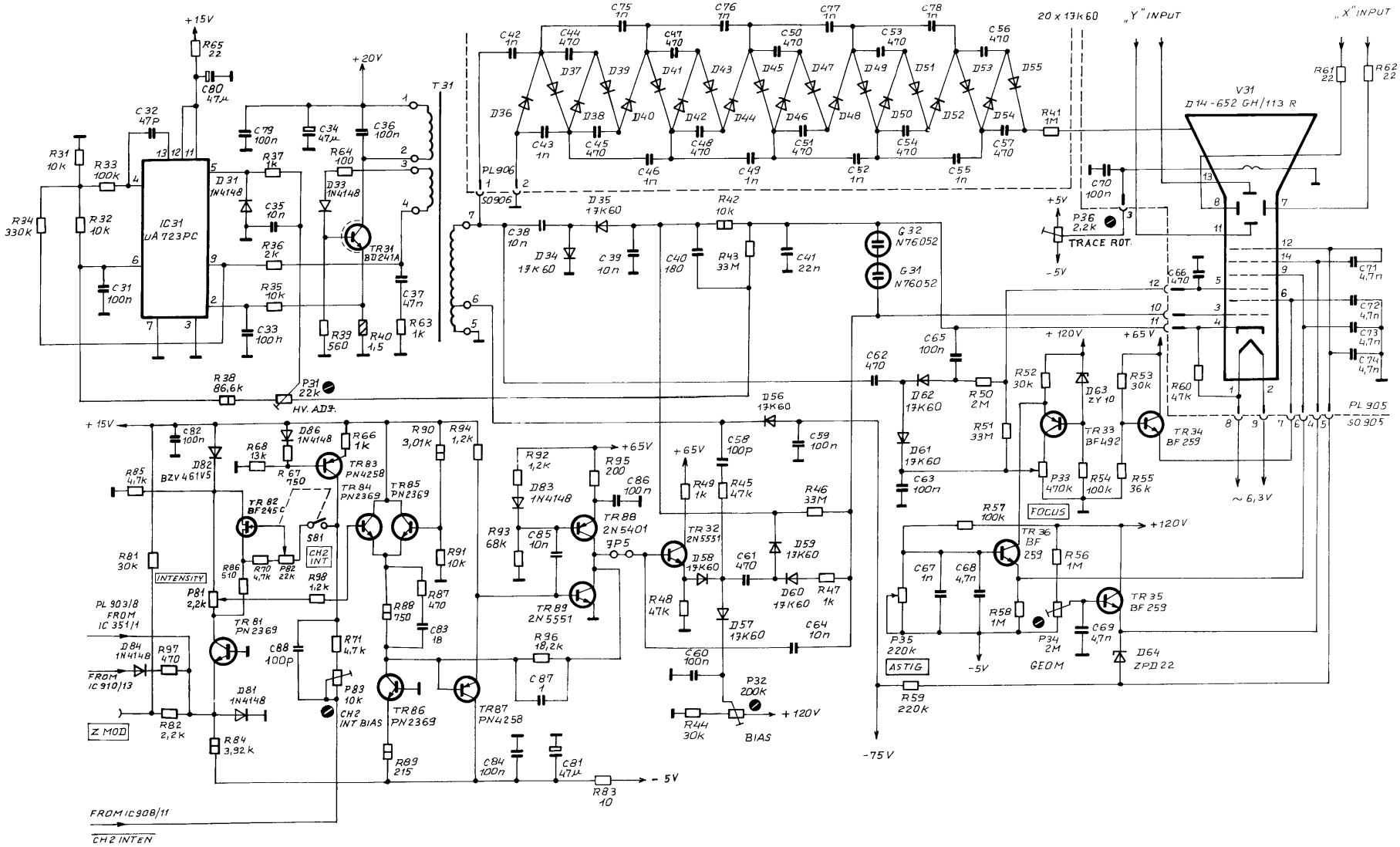
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S302	SKE GAC	S560	SKE GAC
S303	SKE GAC	S561	SKE GAC
S305	SKE GAC	S562	SKE GAC
S306	SKE GAC	S564	SKE GAC
S307	SKE GAC	S565	SKE GAC
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S351	SKE GAC		
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T31	36x22 3861000317		
V31	D14 652 GH 113R		

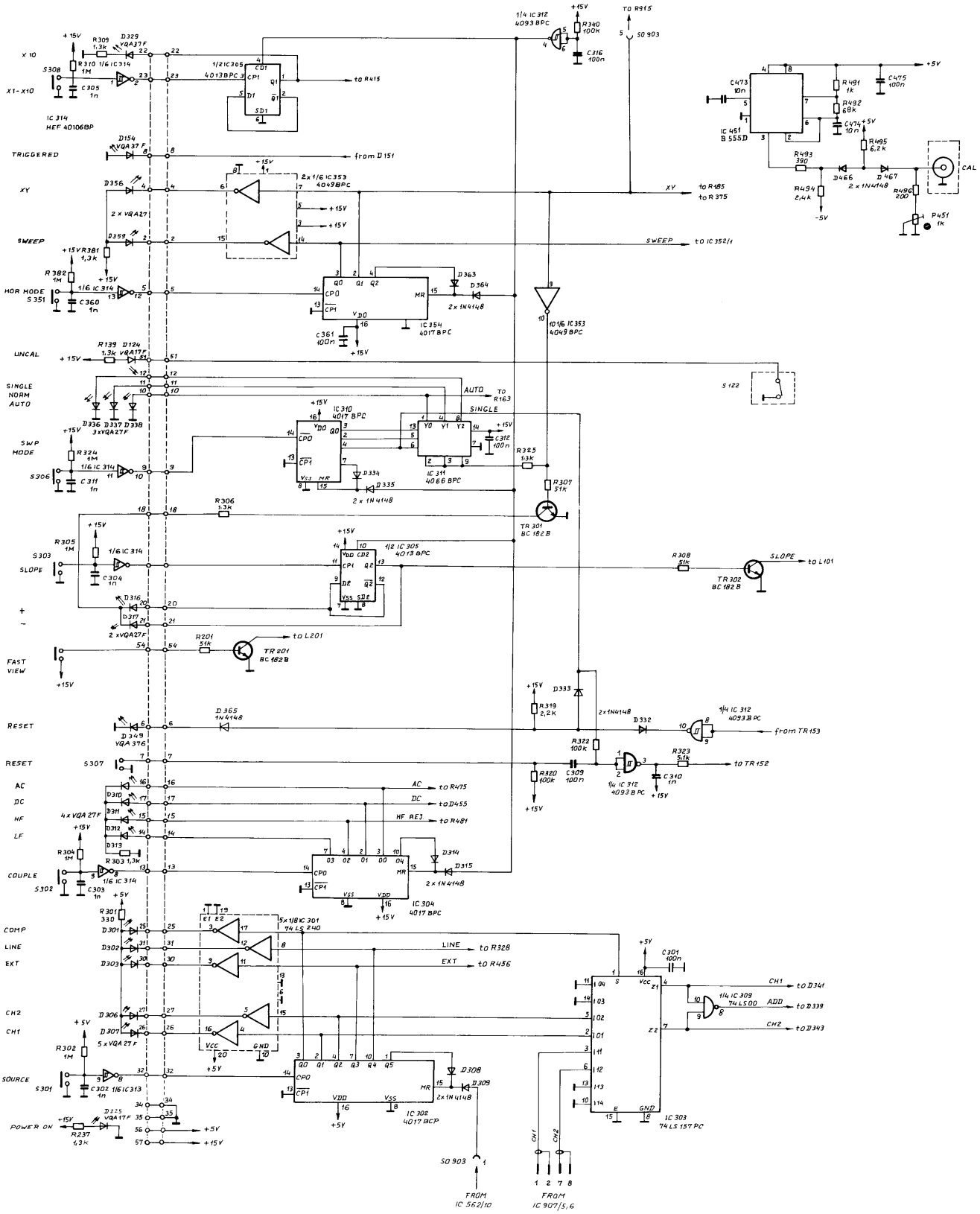
INTERCONNECTION

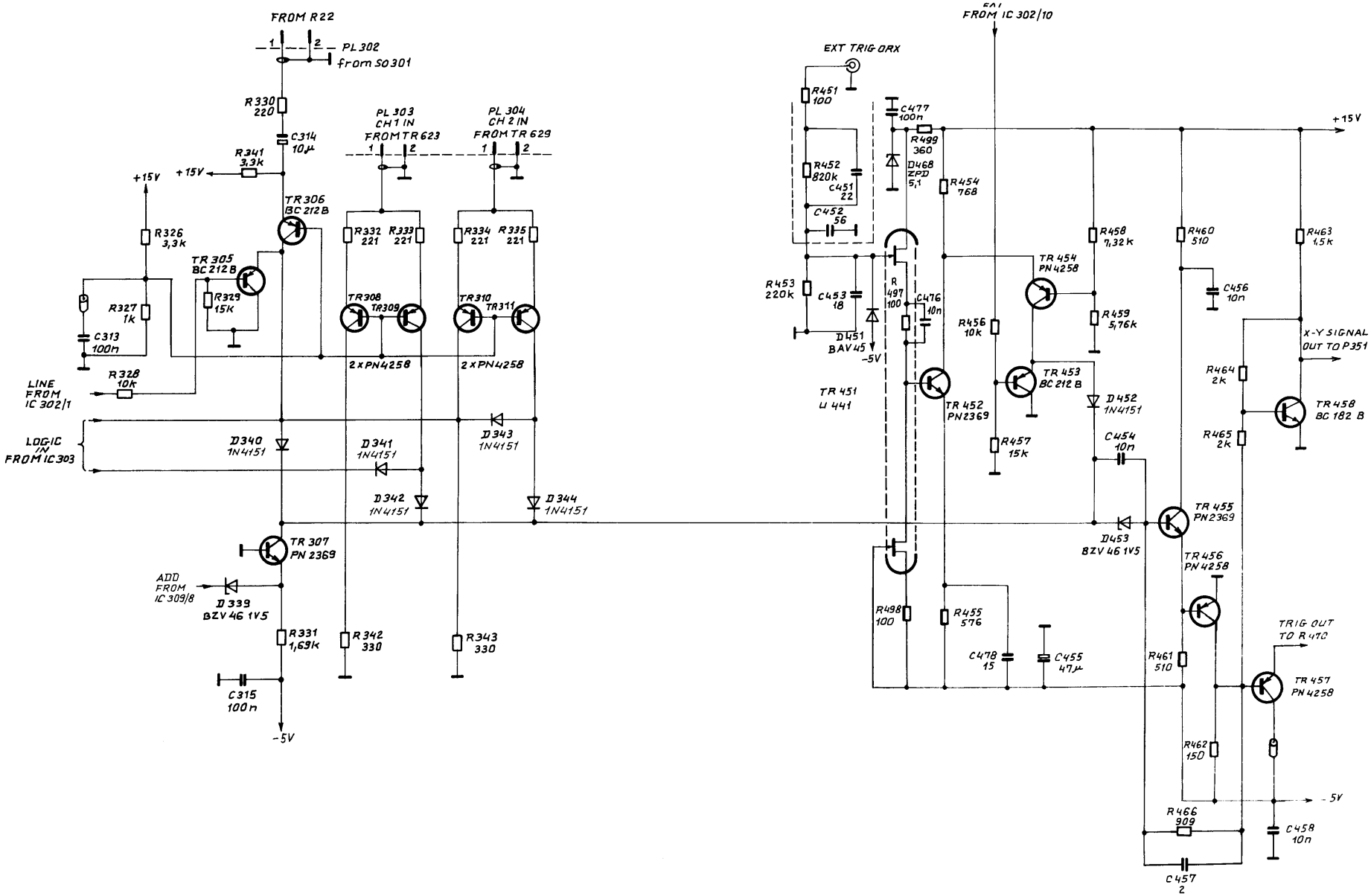




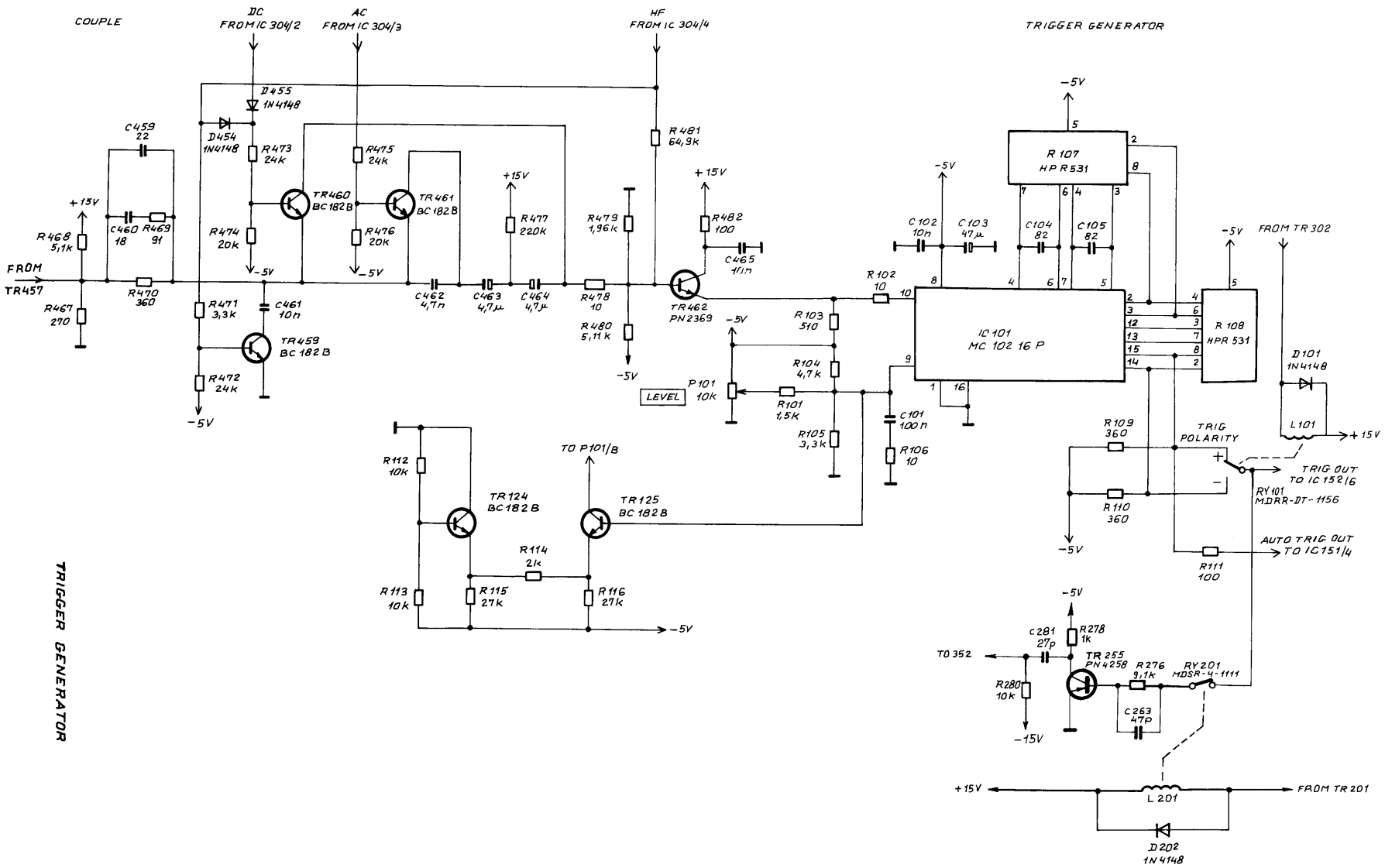
LV POWER SUPPLY


HV SUPPLY
+15V
+20V
T31
IC31 uA723PC
TR31 BD241A
TR82 BF245C
TR83 PN4258
TR84 PN2369
TR85 PN2369
TR81 PN2369
TR86 PN2369
TR87 PN4258
TR88 2N5401
TR89 2N5551
TR32 2N5551
TR33 BF492
TR34 BF259
TR36 BF259
TR35 BF259
G32 N76052
G31 N76052
V31 D14-652 GH/113 R
20 x 13k60
„Y" INPUT
„X" INPUT
TRACE ROT.
FOCUS
ASTIG
GEOM
BIAS
HV. ADJ.
INTENSITY
CH2 INT
CH2 INT BIAS
Z MOD
FROM IC 910/13
PL 903/8 FROM IC 351/1
FROM IC 908/11
CH2 INTEN
PL 906
SO 906
PL 905
SO 905
+120V
+65V
-5V
-75V
~ 6,3V

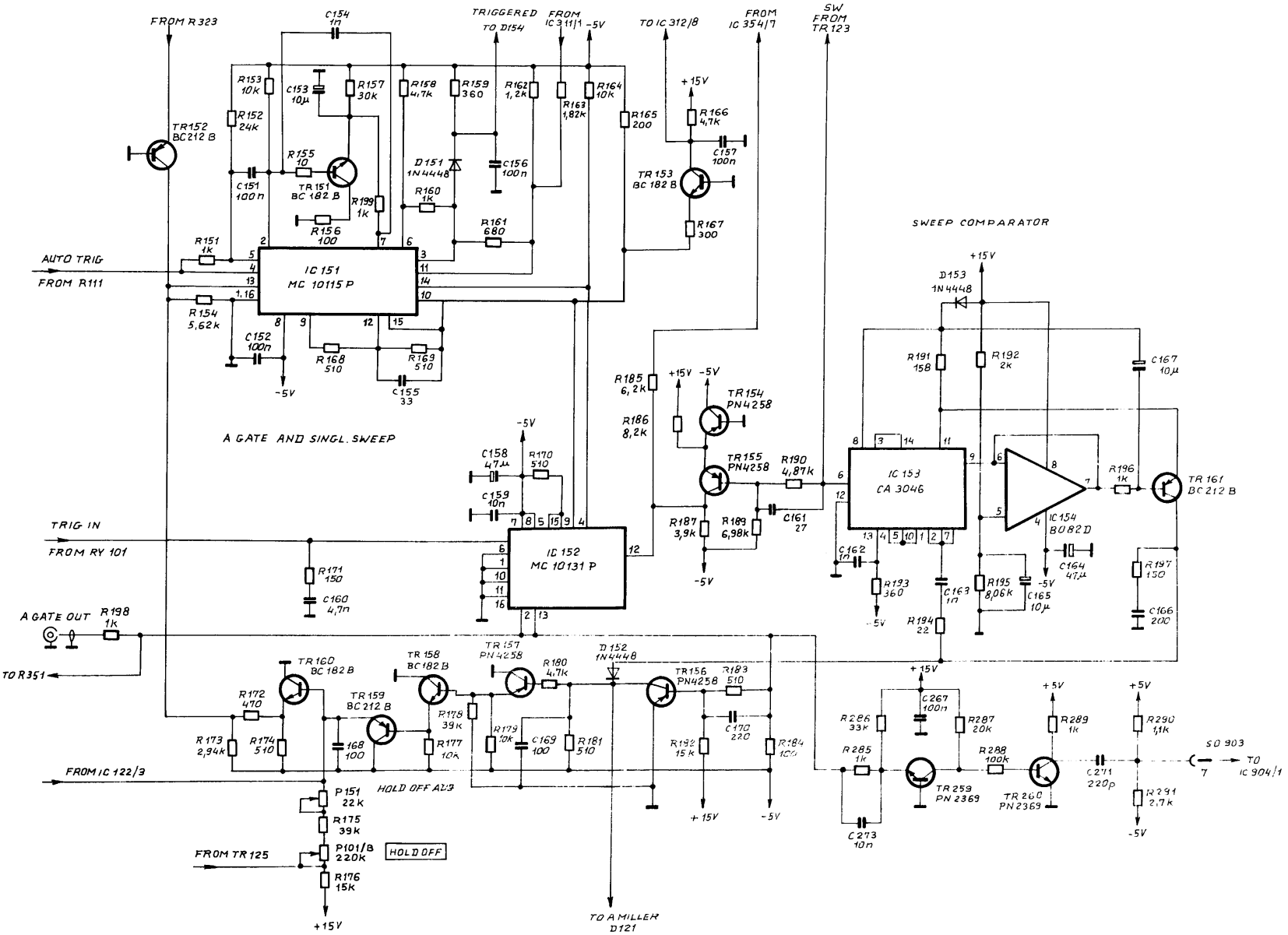

X10
X1-X10
S308
C305 1n
R309 1,3k
D329 VQA37F
R310 1/6 IC314 1M
IC 314 HEF 40106BP
1/2 IC305 4013BPC
to R415
TRIGGERED
D154 VQA37F
from D151
XY
D356
2 x VQA27
2x 1/6 IC353 4049BPC
to R485
to R375
SWEEP
D359
to IC352/1
HOR MODE
S351
C360 1n
R382 1M
R381 1,3k
IC 354 4017 BPC
D363
D364
2x 1N4148
C361 100n
1/6 IC 353 4049 BPC
UNCAL
R139 1,3k
D124 VQA17F
SINGLE
NORM
AUTO
D336 D337 D338 3xVQA27F
SWP MODE
S306
R324 1M
C311 1n
1/6 IC 314
IC 310 4017 BPC
IC 311 4066 BPC
D334
D335
2 x 1N4148
C312 100n
R325 1,3k
R307 51k
TR 301 BC 182 B
AUTO
SINGLE
TO R163
S 122
R306 1,3k
SLOPE
S303
R305 1M
C304 1n
1/2 IC 305 4013 BPC
R308 51k
TR 302 BC 182 B
to L101
D316
D317
2 xVQA27F
+
–
FAST VIEW
R201 51k
TR 201 BC 182 B
to L201
1/4 IC 312 4093 BPC
TO R915
SO 903
R340 100k
C216 100n
C473 10n
R491 1k
C475 100n
R492 68k
C474 10n
IC 451 B 555D
R495 6,2k
R493 390
R494 2,4k
D466
D467
2 x 1N4148
R496 200
P451 1k
CAL
RESET
D365 1N4148
D349 VQA 37G
from TR153
S307
R319 2,2k
D333
2x1N4148
D332
R322 100k
R323 51k
R320 100k
C309 100n
C310 1n
to TR152
AC
DC
HF
LF
COUPLE
S302
4 x VQA 27F
D310
D311
D312
D313
R304 1M
R303 1,3k
C303 1n
1/6 IC 314
IC 304 4017 BPC
D314
D315
2 x 1N4148
to R475
to D455
to R481
COMP
LINE
EXT
R301 330
D301
D302
D303
5x 1/8 IC 301 74 LS 240
to R328
to R456
CH2
CH1
SOURCE
S301
5 x VQA 27 F
R302 1M
C302 1/6 IC313 1n
IC 302 4017 BCP
D308
D309
2x 1N4148
POWER ON
D225 VQA17F
R237 1,3k
+5V
+15V
SO 903
FROM IC 562/10
FROM IC 907/5,6
C301 100n
IC 303 74 LS 157 PC
1/4 IC 309 74 LS 00
ADD
CH1
CH2
to D341
to D339
to D343



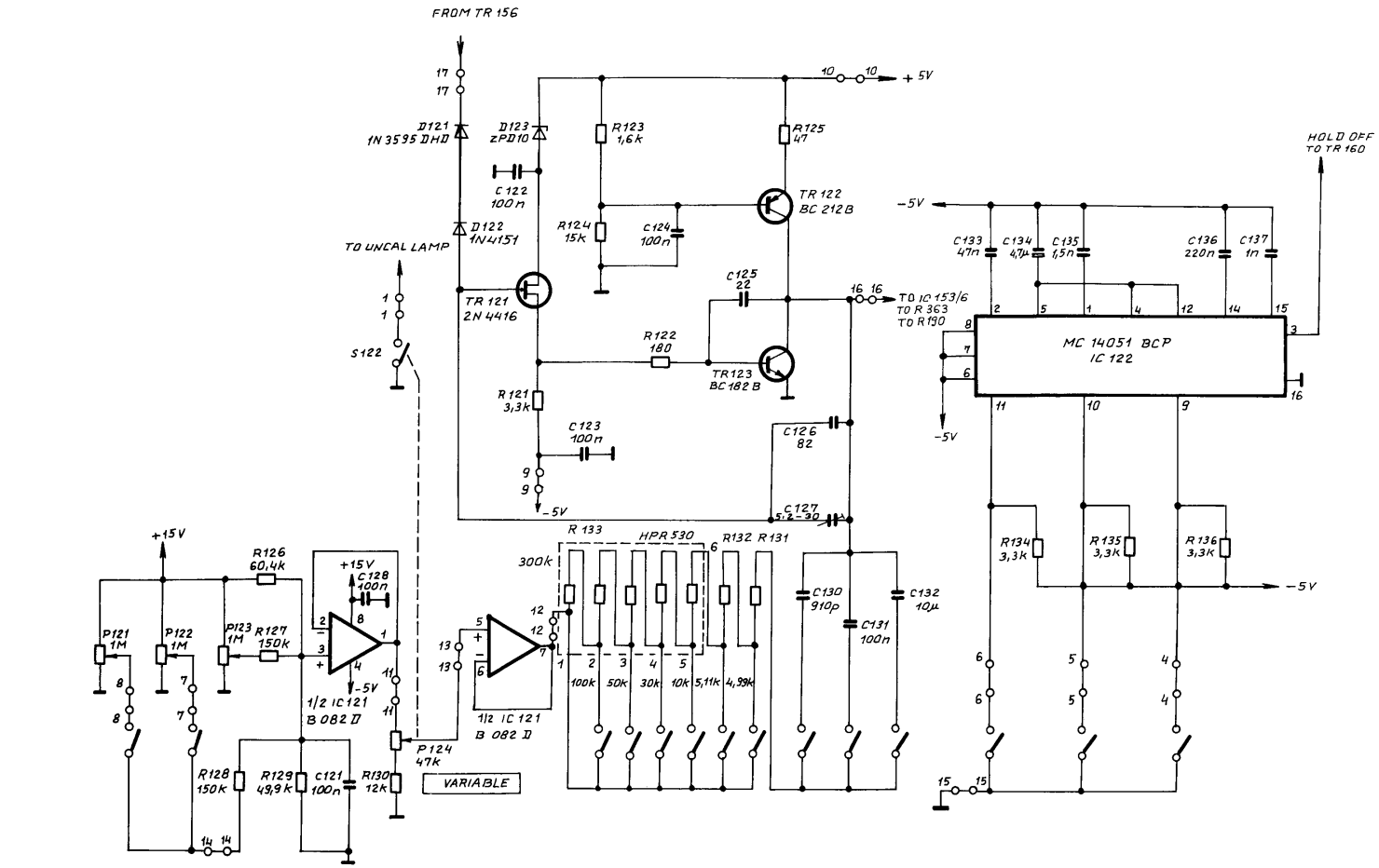
TRIGGER SIGNAL SWITCHING

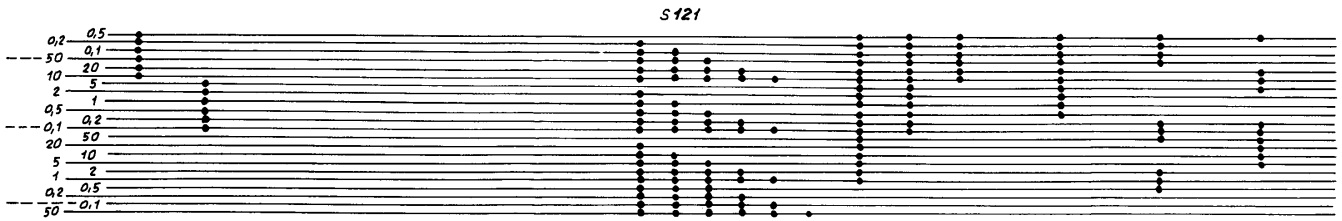


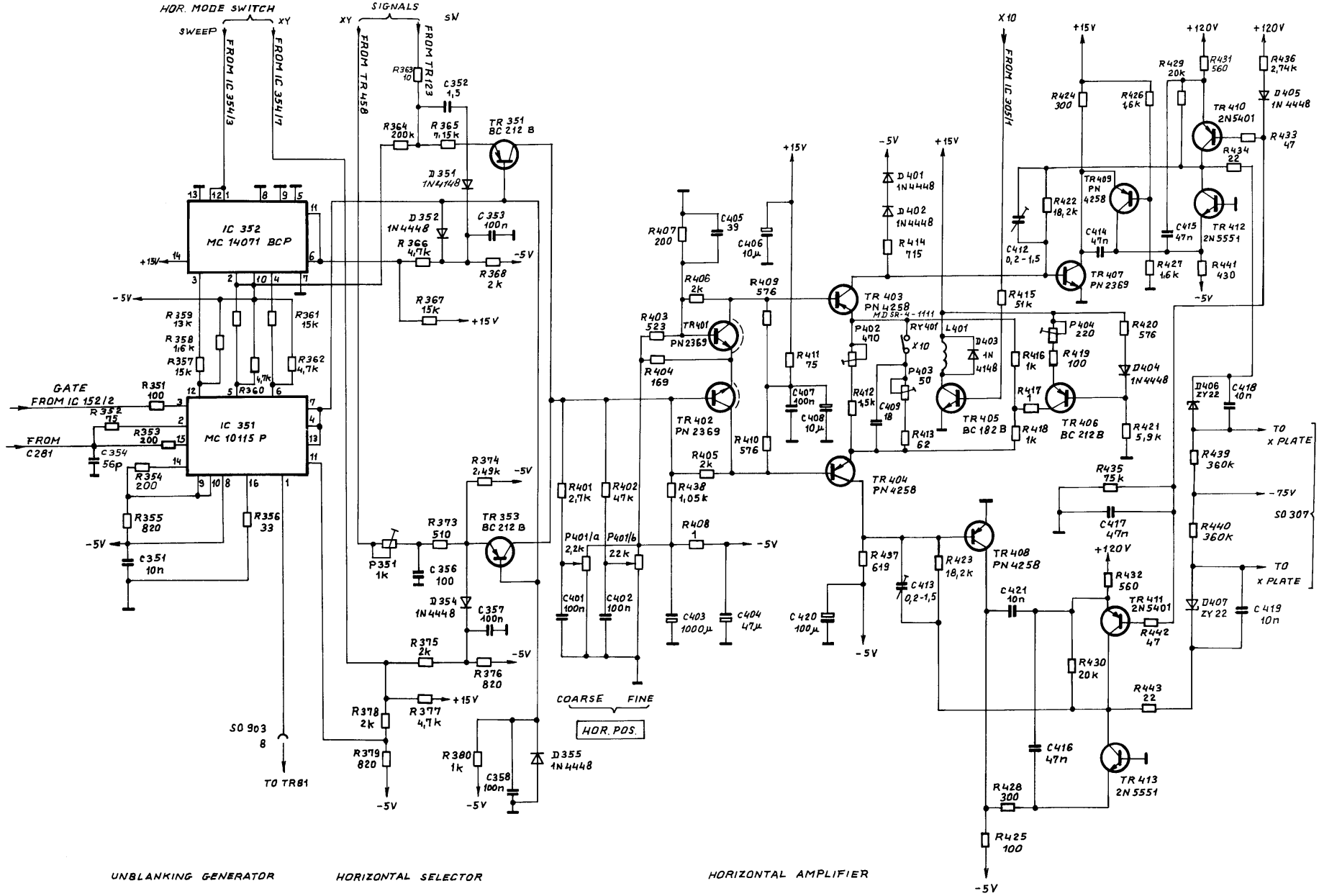
TRIGGER GENERATOR



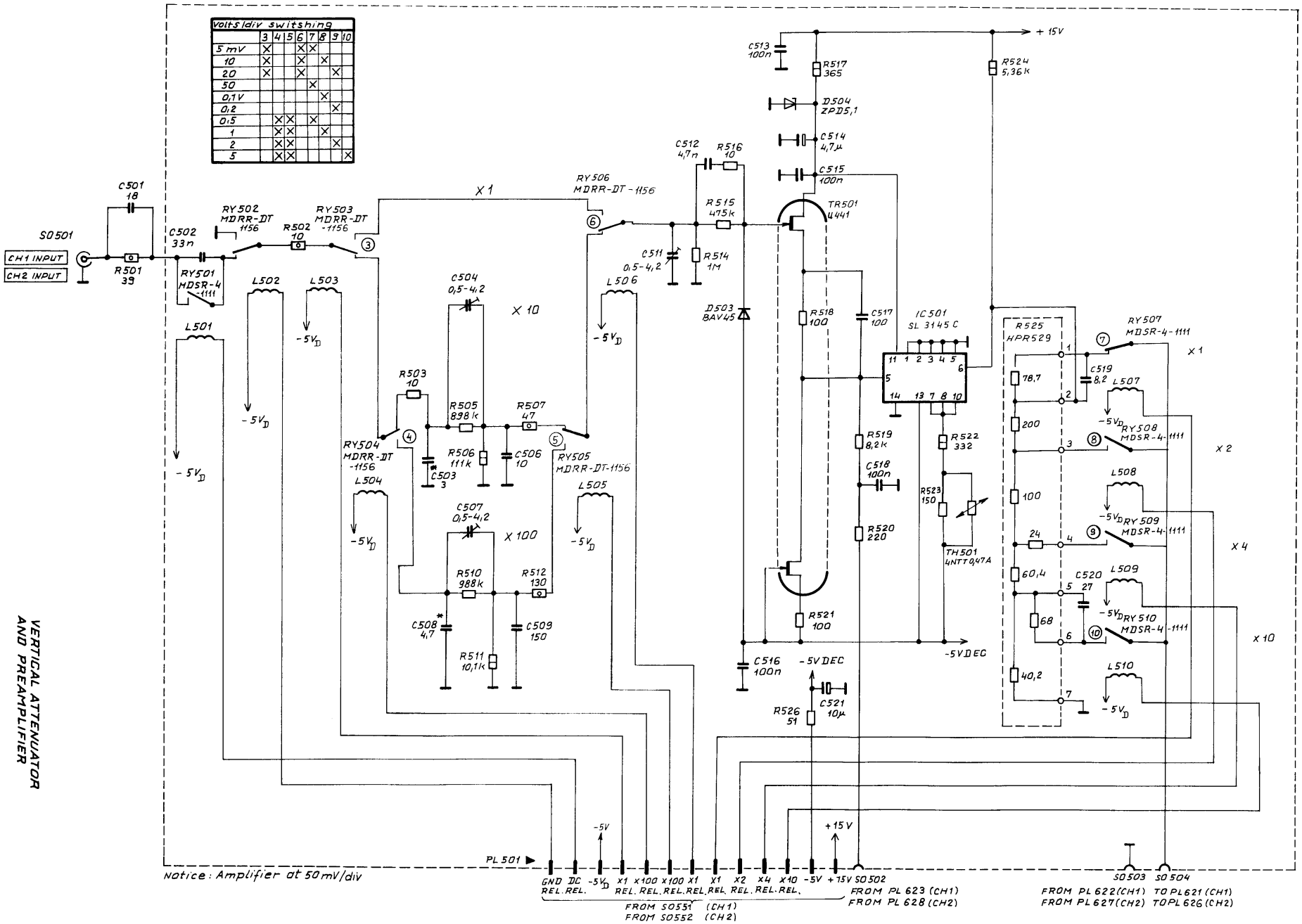
A GATE AND AUTO CIRCUIT


FROM TR 156
D121 1N 3595 DHD
D123 ZPD10
R123 1,6k
R125 47
+ 5V
C 122 100 n
TR 122 BC 212B
D122 1N4151
TO UNCAL LAMP
R124 15k
C124 100n
HOLD OFF TO TR 160
-5V
C133 47n
C134 4,7µ
C135 1,5n
C136 220n
C137 1n
TR 121 2N 4416
C125 22
TO IC 153/6
TO R 363
TO R 190
S122
R122 180
TR123 BC 182 B
MC 14051 BCP
IC 122
R121 3,3k
C123 100n
C126 82
C127 5,2-30
R 133
HPR 530
R132 R131
300k
+15V
R126 60,4k
C128 100n
C130 910p
C132 10µ
C131 100n
R134 3,3k
R135 3,3k
R136 3,3k
P121 1M
P122 1M
P123 1M
R127 150k
100k
50k
30k
10k
5,11k
4,99k
1/2 IC 121 B 082 D
P124 47k
VARIABLE
R128 150k
R129 49,9k
C121 100n
R130 12k

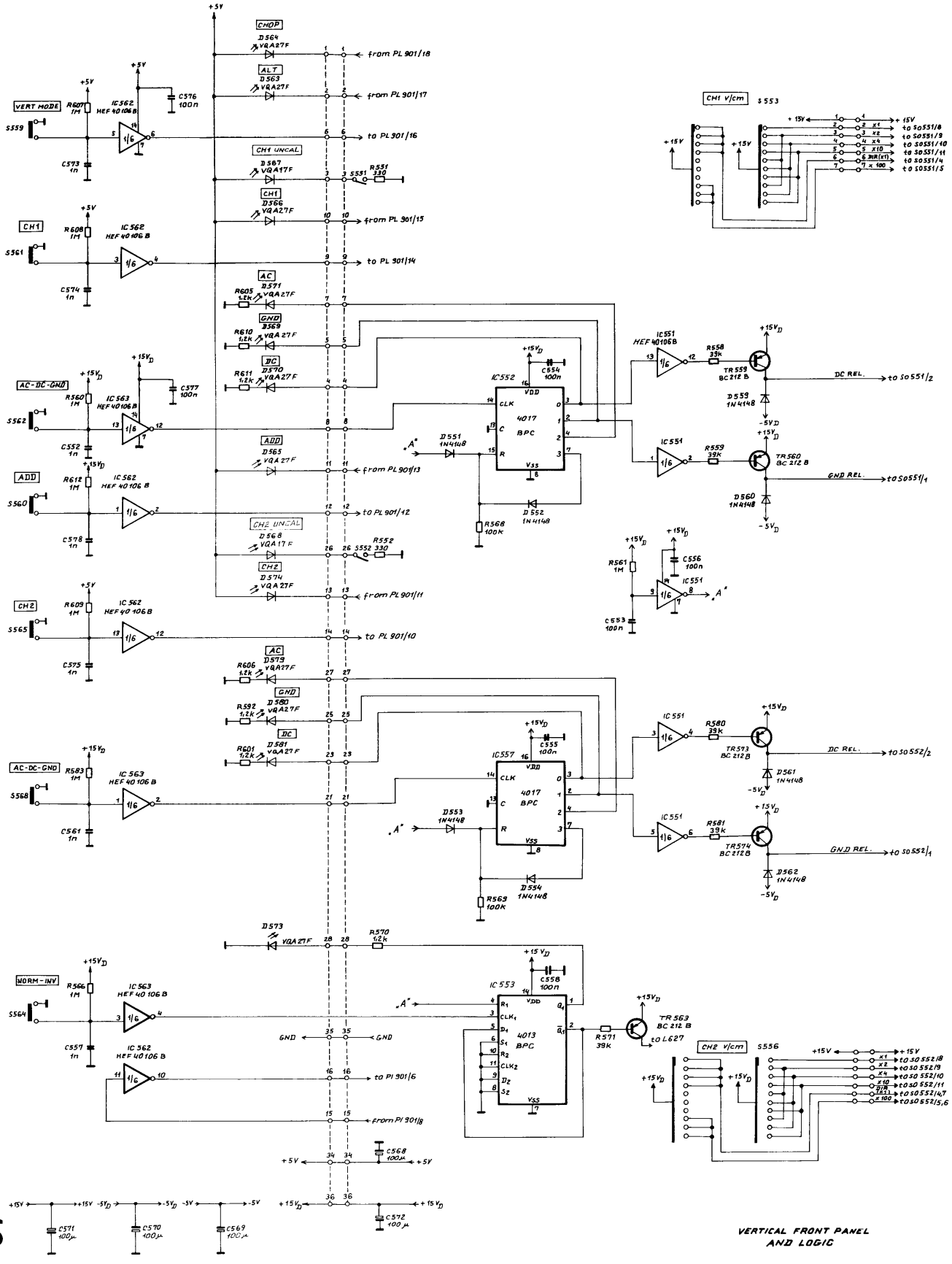

S121
0,2
0,5
50
0,1
10
20
2
5
1
0,5
0,1
0,2
20
50
5
10
1
2
0,2
0,5
50
0,1

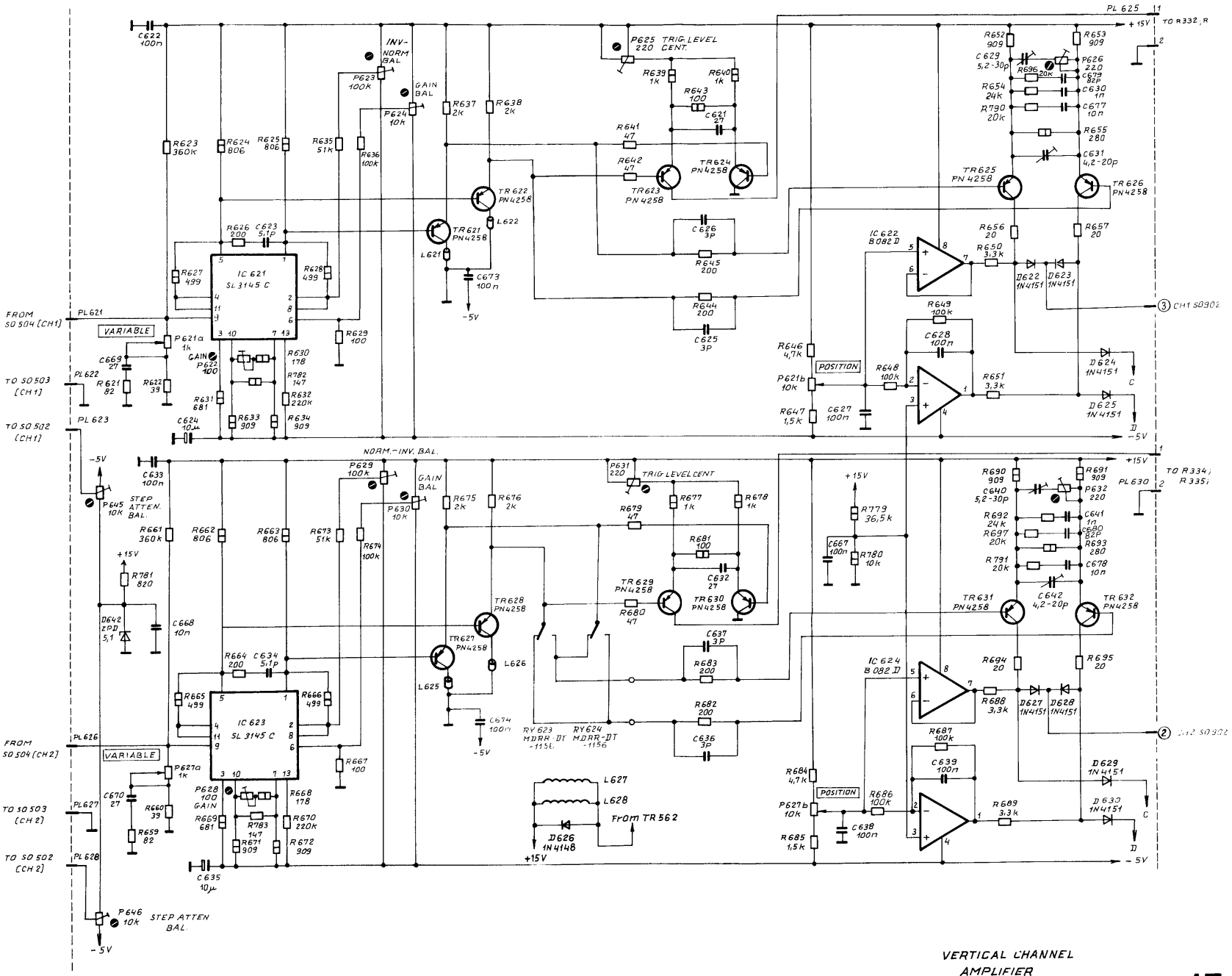


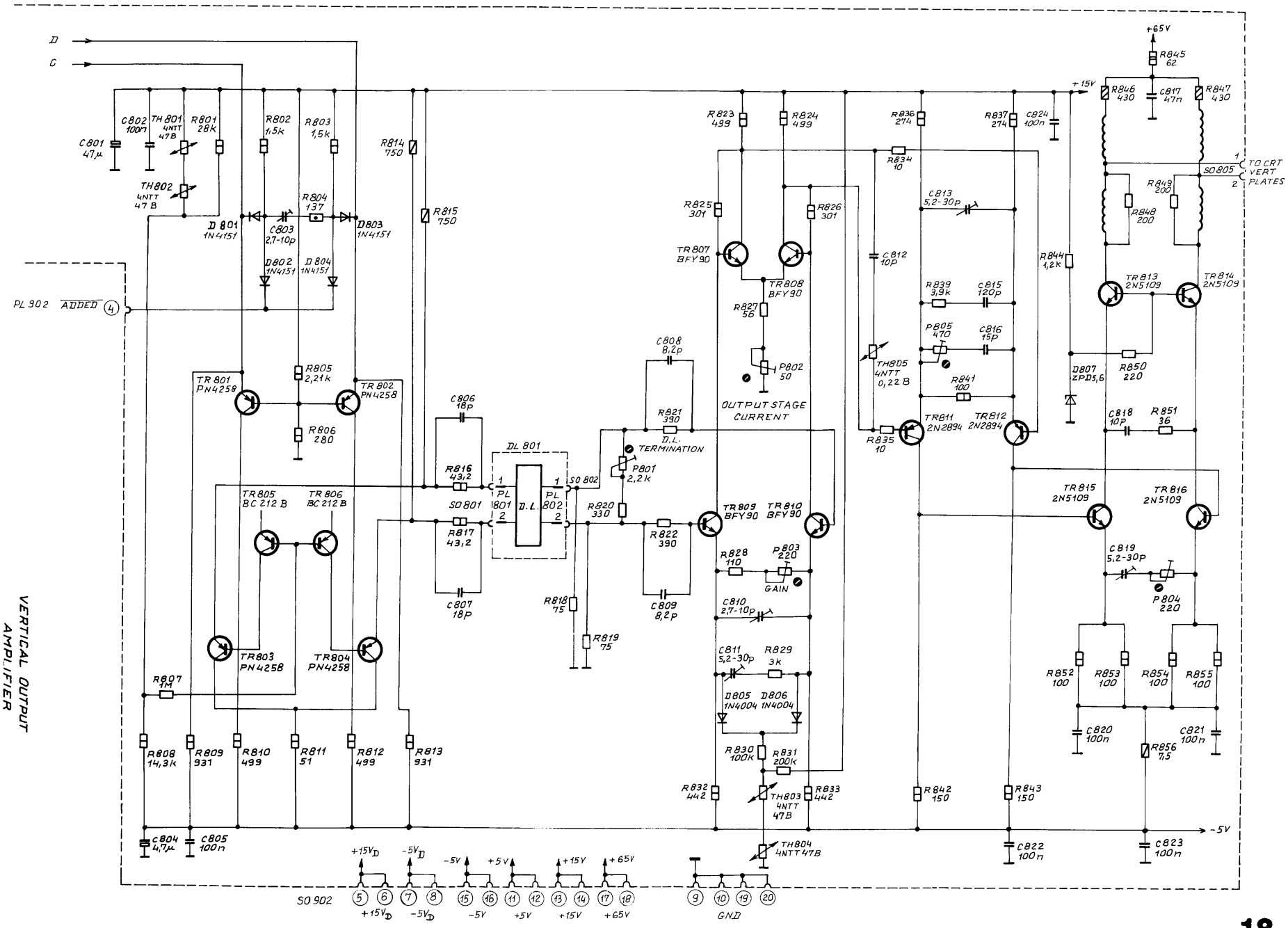
HOR. AND UNBLANKING CIRCUITS

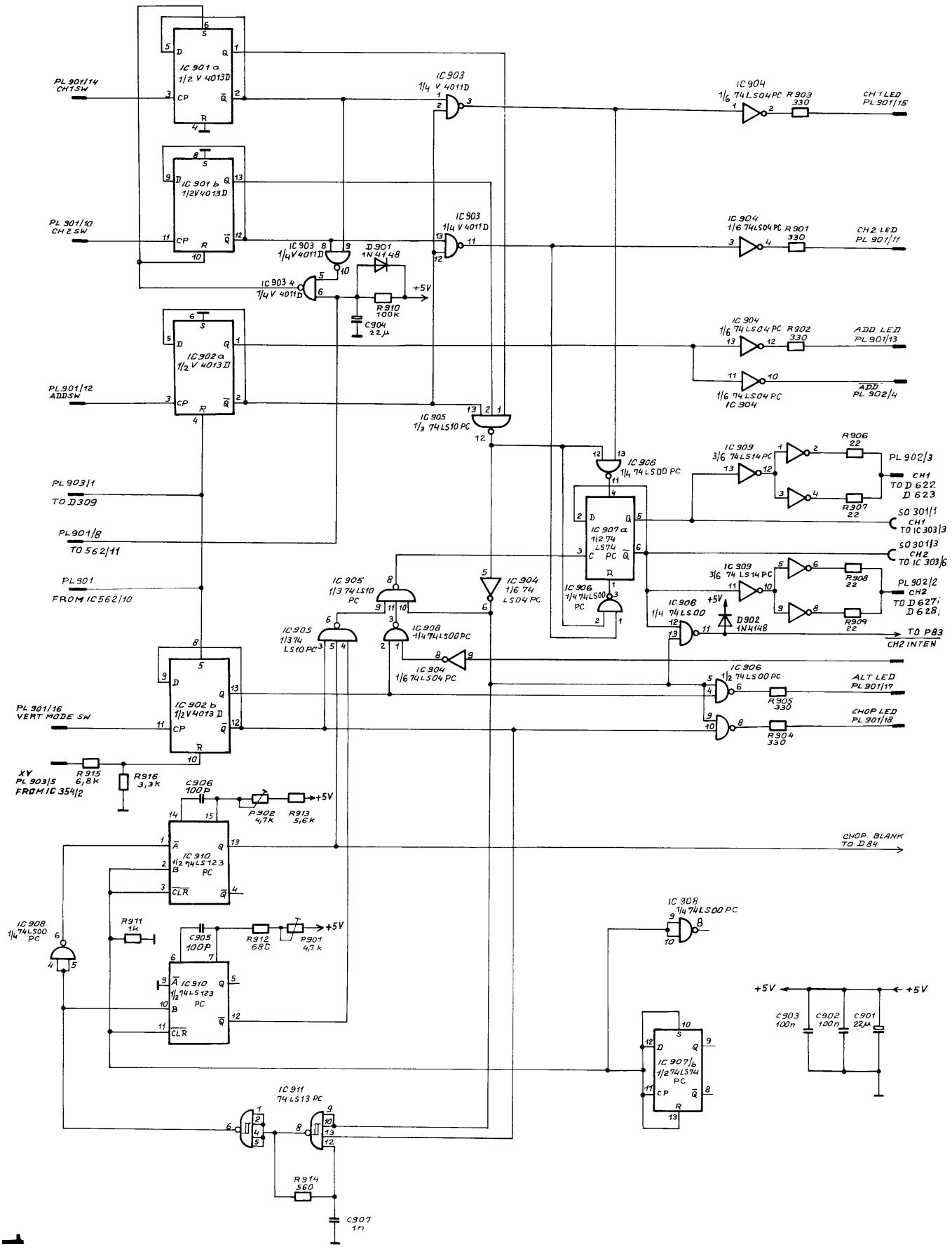


VERTICAL ATTENUATOR AND PREAMPLIFIER

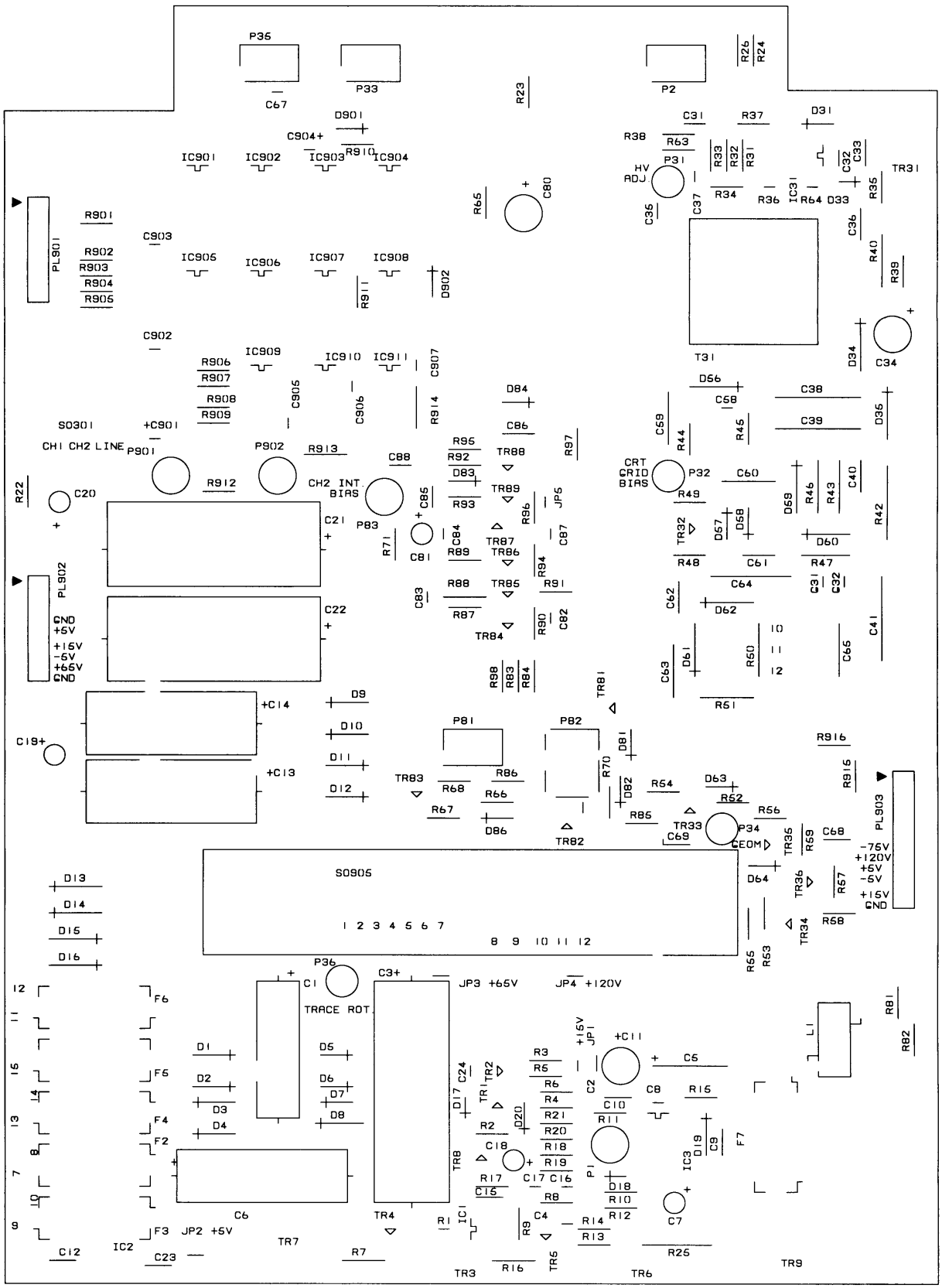

CHOP
ALT
CH1 UNCAL
CH1
AC
GND
DC
ADD
CH2 UNCAL
CH2
VERT MODE
AC-DC-GND
CH1
ADD
CH2
WORM-INV
from PL 901/18
from PL 901/17
to PL 901/16
from PL 901/15
to PL 901/14
from PL 901/13
to PL 901/12
from PL 901/11
to PL 901/10
to PI 901/6
from PI 901/8
GND
CH1 v/cm
CH2 v/cm
DC REL.
GND REL.
to so551/2
to so551/1
to so552/2
to so552/1
to L627
VERTICAL FRONT PANEL AND LOGIC

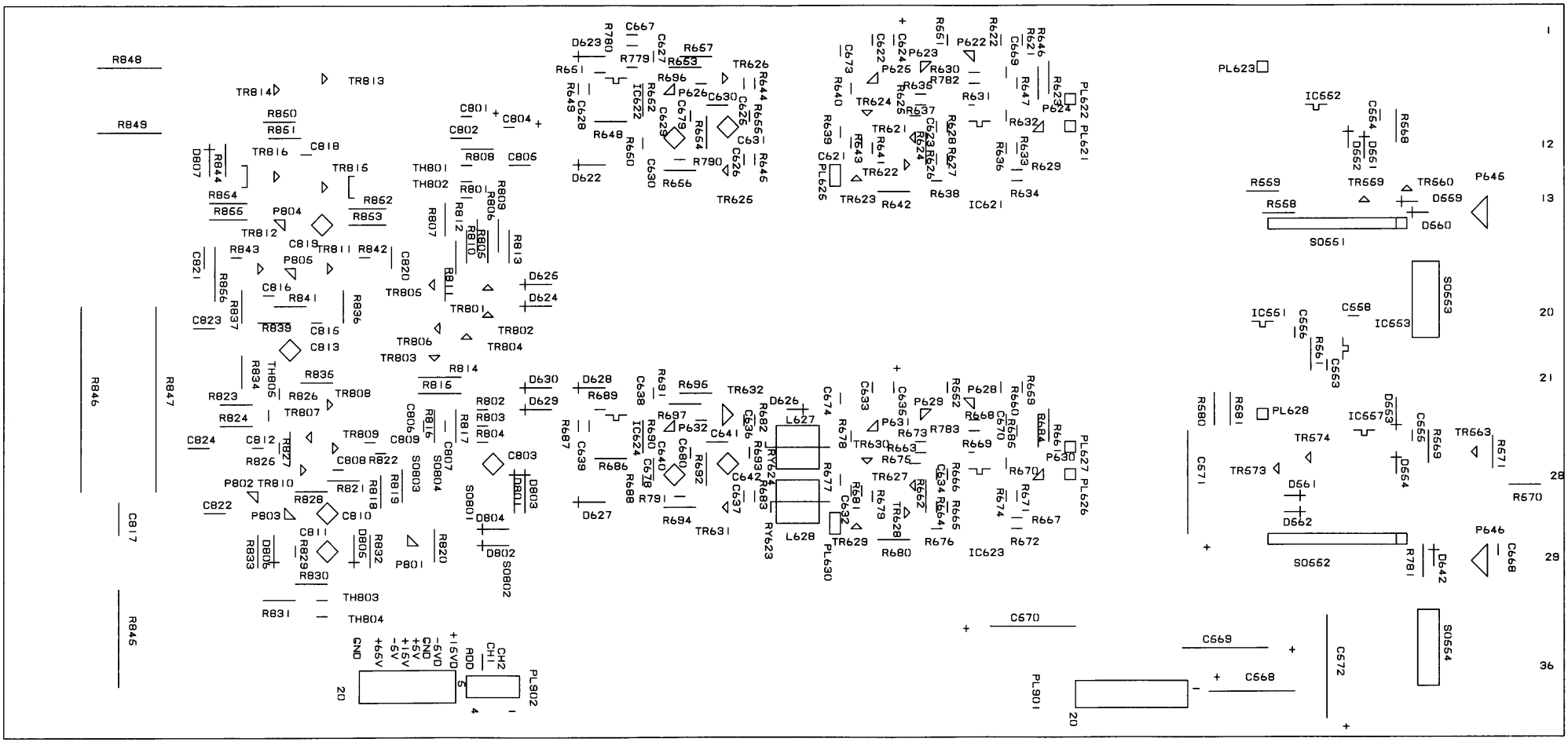

VERTICAL CHANNEL AMPLIFIER


VERTICAL OUTPUT AMPLIFIER
D
C
PL 902 ADDED 4
C801 47µ
C802 100n
TH801 4NTT 47B
R801 28k
R802 1,5k
R803 1,5k
R804 137
C803 2,7-10p
TH802 4NTT 47B
D801 1N4151
D802 1N4151
D803 1N4151
D804 1N4151
R814 750
R815 750
R805 2,21k
R806 280
TR801 PN4258
TR802 PN4258
TR803 PN4258
TR804 PN4258
TR805 BC 212 B
TR806 BC 212 B
R807 1M
R808 14,3k
R809 931
R810 499
R811 51
R812 499
R813 931
C804 4,7µ
C805 100n
C806 18p
C807 18p
R816 43,2
R817 43,2
SO 801
DL 801
D.L.
PL 801
PL 802
SO 802
P801 2,2k
D.L. TERMINATION
C808 8,2p
R821 330
R820 330
R822 390
C809 8,2p
R818 75
R819 75
R823 499
R824 499
R825 301
R826 301
TR807 BFY90
TR808 BFY90
R827 56
P802 50
OUTPUT STAGE CURRENT
TR809 BFY90
TR810 BFY90
R828 110
P803 220
GAIN
C810 2,7-10p
C811 5,2-30p
R829 3k
D805 1N4004
D806 1N4004
R830 100k
R831 200k
TH803 4NTT 47B
TH804 4NTT 47B
R832 442
R833 442
R834 10
R835 10
C812 10p
C813 5,2-30p
R839 3,9k
C815 120p
P805 470
C816 15p
R841 100
TH805 4NTT 0,22 B
TR811 2N2894
TR812 2N2894
R836 274
R837 274
C824 100n
R842 150
R843 150
C822 100n
C823 100n
+15V
-5V
+65V
R845 62
R846 430
C817 47n
R847 430
SO 805
TO CRT VERT PLATES
R849 200
R848 200
R844 1,2k
TR813 2N5109
TR814 2N5109
D807 ZPD5,6
R850 220
C818 10p
R851 36
TR815 2N5109
TR816 2N5109
C819 5,2-30p
P804 220
R852 100
R853 100
R854 100
R855 100
C820 100n
C821 100n
R856 7,5
SO 902
+15V_D
-5V_D
-5V
+5V
+15V
+65V
GND

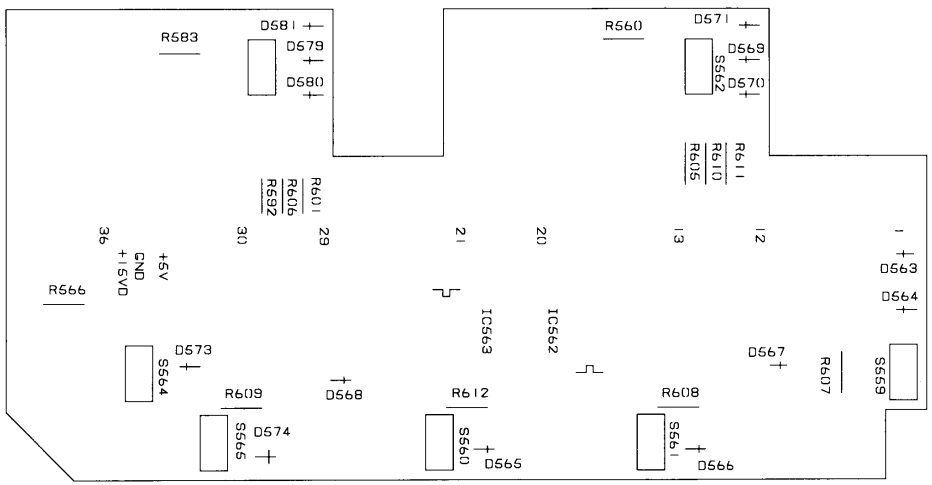

PL 901/14 CH1 SW
IC 901 a 1/2 V 4013 D
IC 903 1/4 V 4011 D
IC 904 1/6 74 LS04 PC
R 903 330
CH 1 LED PL 901/15
PL 901/10 CH 2 SW
IC 901 b 1/2 V 4013 D
D 901 1N 4148
R 901 330
CH 2 LED PL 901/11
R 910 100K
+5V
C 904 22 µ
PL 901/12 ADD SW
IC 902 a 1/2 V 4013 D
R 902 330
ADD LED PL 901/13
ADD PL 902/4
IC 905 1/3 74 LS10 PC
IC 906 1/4 74 LS00 PC
IC 907 a 1/2 74 LS74 PC
IC 903 3/6 74 LS14 PC
R 906 22
PL 902/3
CH1 TO D 622 D 623
R 907 22
SO 301/1 CH1 TO IC 303/3
SO 301/3 CH2 TO IC 303/6
R 908 22
PL 902/2 CH2 TO D 627 D 628
R 909 22
TO P83 CH2 INTEN
PL 903/1 TO D 309
PL 901/8 TO 562/11
PL 901 FROM IC 562/10
IC 904 1/6 74 LS04 PC
IC 908 1/4 74 LS00
D 902 1N 4148
IC 902 b 1/2 V 4013 D
IC 906 1/2 74 LS00 PC
ALT LED PL 901/17
R 905 330
CHOP LED PL 901/18
R 904 330
PL 901/16 VERT MODE SW
XY PL 903/5 FROM IC 354/2
R 915 6,8 K
R 916 3,3 K
C 906 100 P
P 902 4,7 k
R 913 5,6 K
IC 910 1/2 74 LS 123 PC
CHOP BLANK TO D 84
R 911 1K
C 905 100 P
R 912 680
P 901 4,7 k
IC 907/b 1/2 74 LS74 PC
IC 911 74 LS13 PC
R 914 560
C 907 1n
C 903 100n
C 902 100n
C 901 22µ

VERT. LOGIC

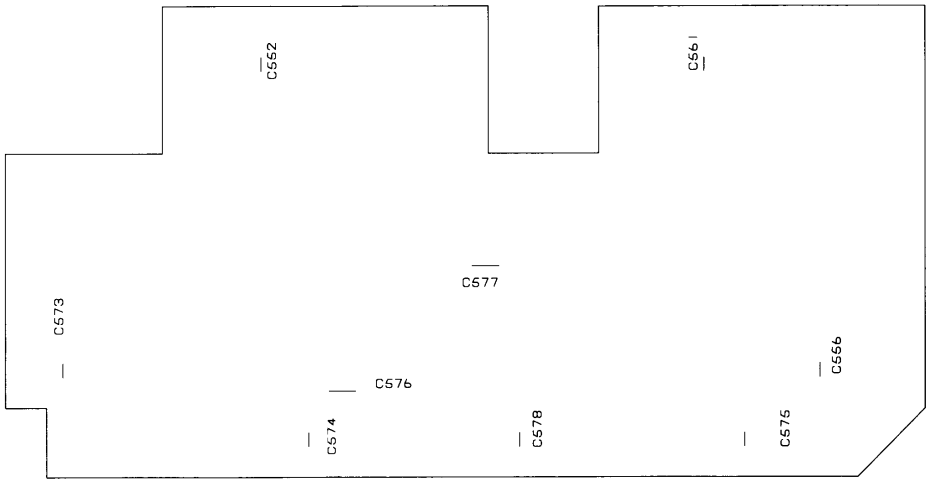

P36
P33
P2
C67
D901
C904+
R910
IC901
IC902
IC903
IC904
R23
R26
R24
C31
R37
D31
R38
R63
HV ADJ
P31
R33
R32
R31
C32
C33
TR31
C35
C37
R34
R36
IC31
R64
D33
R35
R65
C80
R901
PL901
C903
R902
R903
R904
R905
IC905
IC906
IC907
IC908
R911
D902
C36
R40
R39
T31
C902
IC909
IC910
IC911
C907
R906
R907
R908
R909
C905
C906
R914
D84
D56
C68
C38
C34
D34
C59
R44
R45
C39
D35
SO301
+C901
CH1 CH2 LINE
P901
P902
R913
C88
C86
R95
R92
TR88
R97
CRT GRID BIAS
P32
C60
R912
C20
CH2 INT BIAS
D83
TR89
R93
R96
JP5
C85
C87
R49
D59
R46
R43
C40
R22
C21
P83
C84
TR87
R89
TR86
R94
TR32
D57
D58
D60
R42
C81
R71
R48
C61
R47
PL902
GND
+5V
+15V
-5V
+65V
GND
C22
R88
TR85
R91
C64
C31
C32
C83
R87
C62
D62
C41
TR84
R90
C82
C65
R50
10
12
C63
D61
R98
R83
R84
TR81
R51
C18+
+C14
D9
D10
D11
D12
P81
P82
D81
R916
R915
PL903
-76V
+120V
+5V
-5V
+15V
GND
TR83
R68
R86
R66
R67
D86
R70
D82
R54
D63
R52
R56
R85
TR33
P34
CEOM
TR35
R59
C68
C69
TR82
+C13
SO905
1 2 3 4 5 6 7
8 9 10 11 12
D64
TR36
R57
R58
TR34
R55
R53
D13
D14
D15
D16
P36
C1
C3+
JP3 +65V
JP4 +120V
TRACE ROT
F6
F5
F4
F2
F3
D1
D2
D3
D4
D5
D6
D7
D8
JP1
+15V
+C11
C6
C8
R15
L1
R81
R82
R3
R5
R6
R4
R21
R20
R18
R19
C2
C10
R11
C24
TR1
TR2
D17
D20
R2
C18
R17
C15
C17
C16
R8
P1
D18
R10
R12
C9
IC3
D19
F7
TR8
C6
TR4
R1
IC1
R9
C4
R14
R13
C7
R25
JP2 +5V
TR7
IC2
C12
C23
R7
TR3
R16
TR5
TR6
TR9



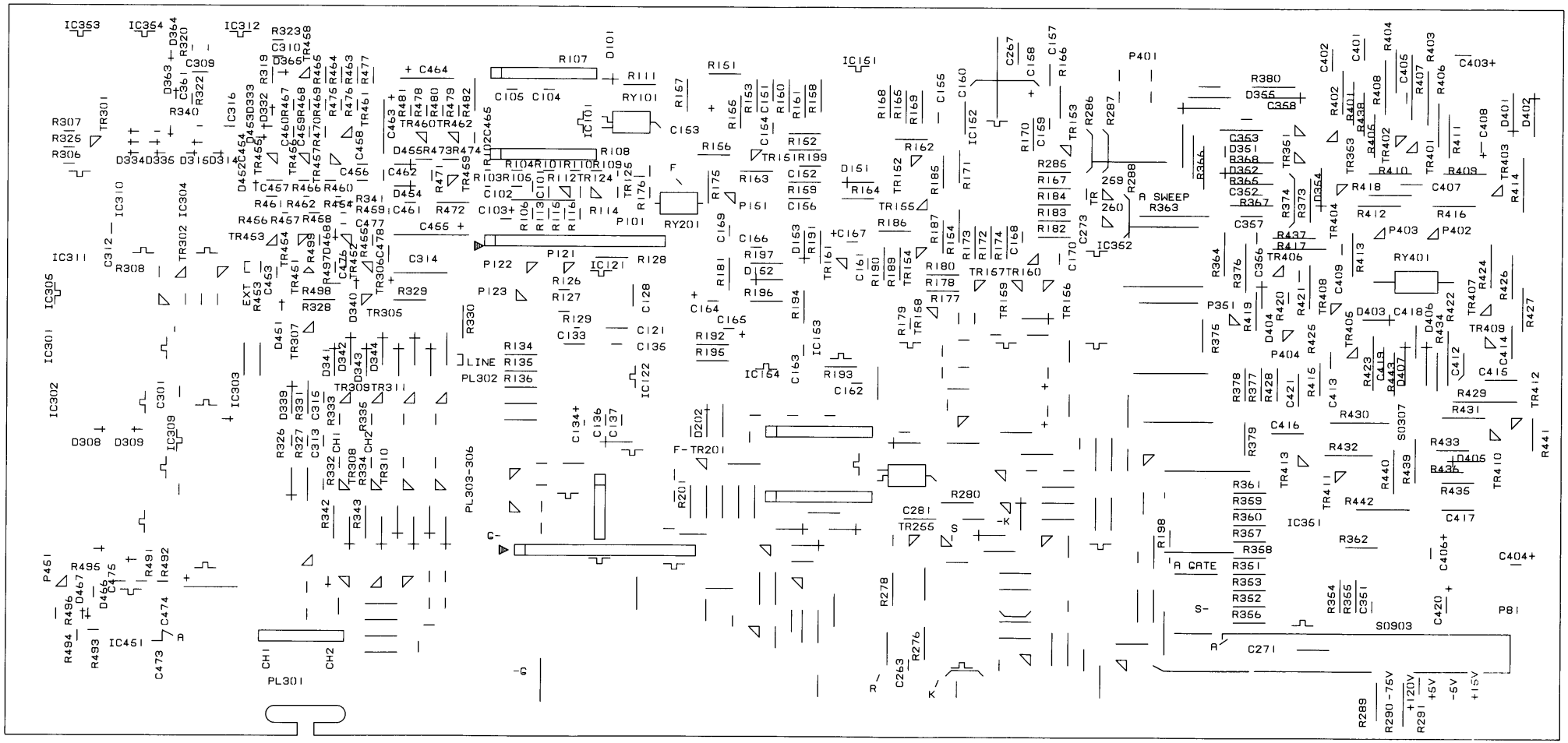
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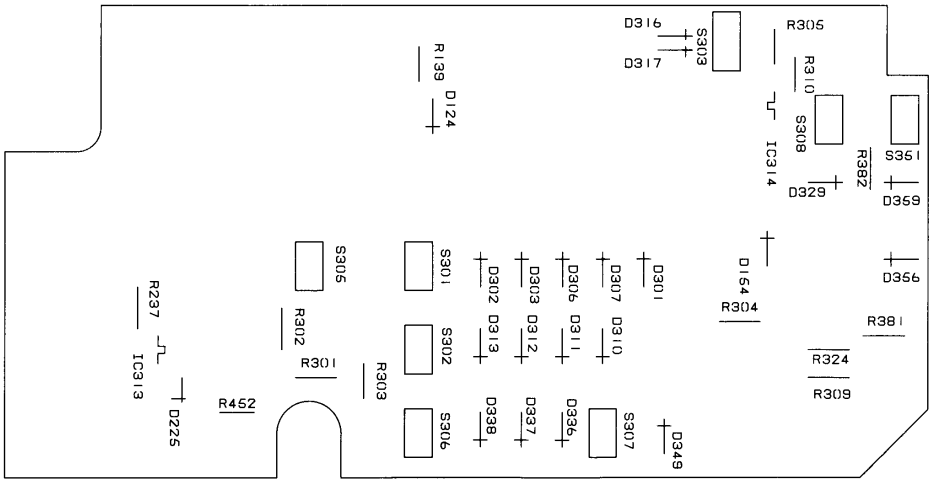
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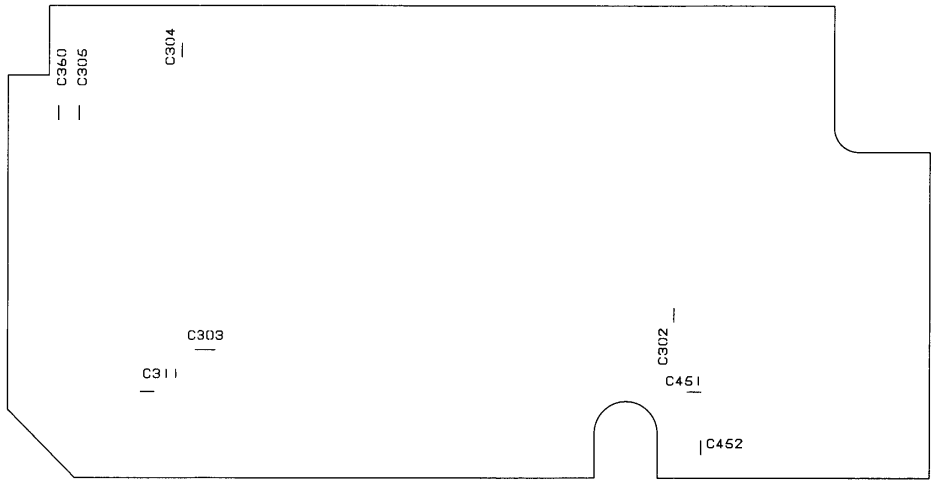
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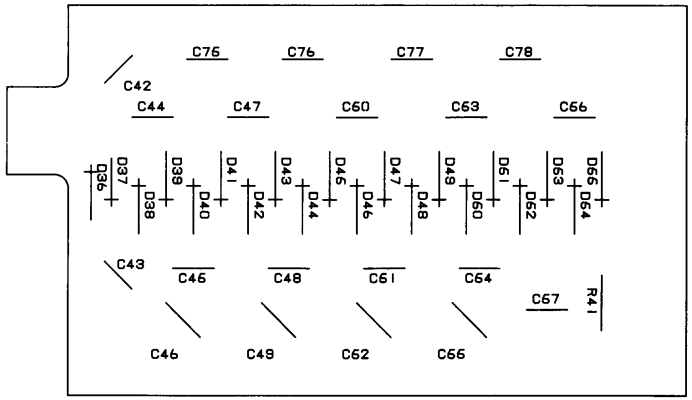


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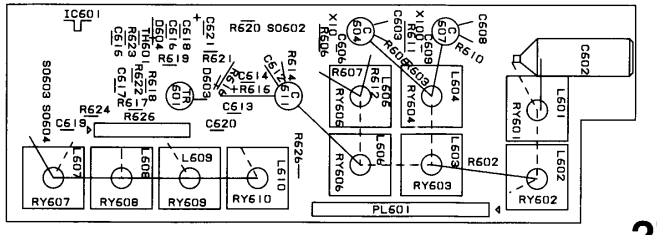


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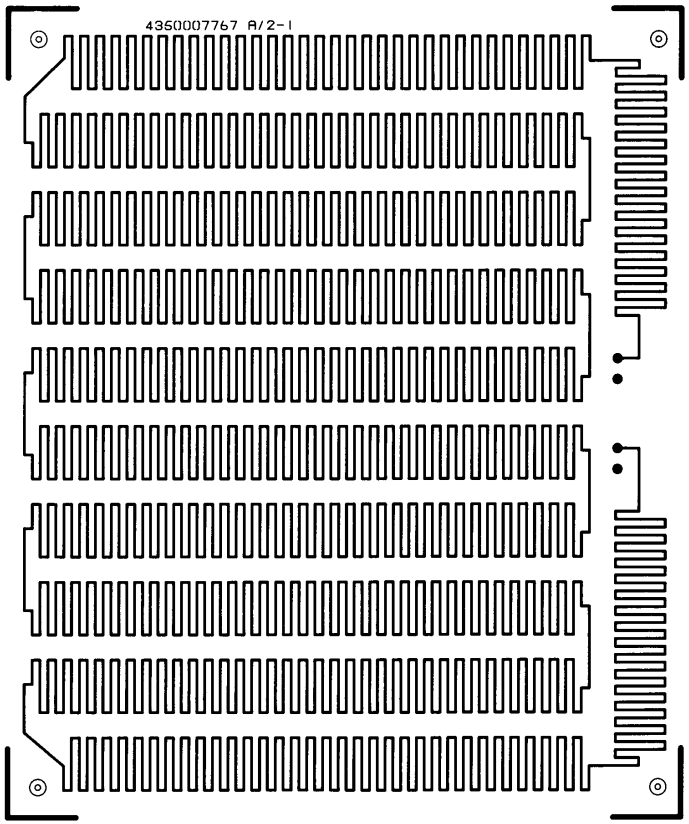
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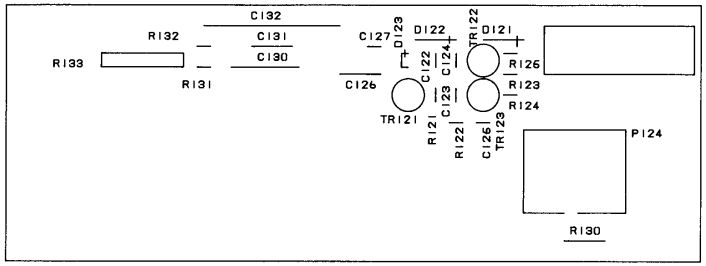
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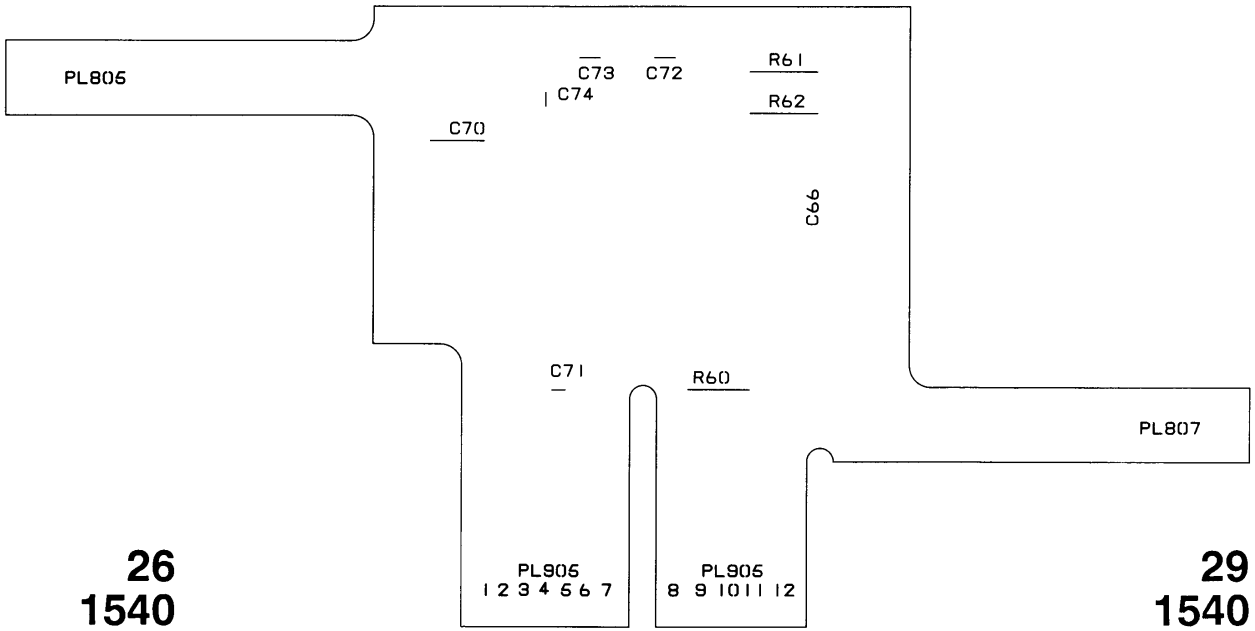
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