

Component-Level Information Packet
for 08590-60191
Analog Interface for HP 8590B and HP 8591A

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HP Part Number 08590-60191
Analog Interface, RF

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
C1	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C2	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C3	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C4	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C5	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C6	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C7	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C8	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C9	0180-3636	6	1	CAP-FXD 330uF 35 V AL-ELCTLT	00493	SR35VB331M12.5X15
C10	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C11	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C12	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C13	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C14	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C15	0160-4800	6	1	CAP-FXD 120pF 100 V	02010	SA102A121JAAH
C16	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C17	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C18	0160-4800	6	1	CAP-FXD 120pF 100 V	02010	SA102A121JAAH
C19	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C20	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C21	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C22	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C23	0160-4822	2	1	CAP-FXD 1000pF 100 V	02010	SA201A102JAAH
C24	0160-6223	1	1	CAP-FXD 2uF 100 V POLYP-MET	05176	X335 2.0UF 100V 5%
C25	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C26	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C27	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C28	0180-3817	5	1	CAP-FXD 100uF 50 V AL-ELCTLT	00493	SRC50VB101M10X12.5LL
C30	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C31	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C32	0180-3888	0	1	CAP-FXD 15uF 25 V TA	04200	173D156X9025X
C33	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C34	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C35	0180-3635	5	1	CAP-FXD 470uF 25 V AL-ELCTLT	00493	SR25VB471M12.5X15
C36	0160-5098	6	1	CAP-FXD 0.22uF 50 V	02010	SA405C224KAAH
C37	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C38	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C39	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C40	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C41	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C44	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C45	0160-4833	5	1	CAP-FXD 0.022uF 100 V	02010	SA201C223KAAH
C46	0160-4834	6	1	CAP-FXD 0.047uF 100 V	02010	SA301C473KAAH
C47	0180-4172	7	1	CAP-FXD 0.47uF 35 V TA	08097	173D474X9035U
C48	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C49	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C50	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C51	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X

*Indicates factory-selected value

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Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
C52	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C53	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C54	0160-4831	3	1	CAP-FXD 4700pF 100 V	02010	SA101C472KAAH
C55	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C56	0180-4132	9	1	CAP-FXD 6.8uF 35 V TA	04200	173D685X9035X
C57	0160-4831	3	1	CAP-FXD 4700pF 100 V	02010	SA101C472KAAH
C59	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
C60	0160-4822	2	1	CAP-FXD 1000pF 100 V	02010	SA201A102JAAH
C61	0160-4834	6	1	CAP-FXD 0.047uF 100 V	02010	SA301C473KAAH
C62	0160-4834	6	1	CAP-FXD 0.047uF 100 V	02010	SA301C473KAAH
C101	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C102	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C103	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C104	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C105	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C106	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C107	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C108	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C109	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C110	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C111	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C113	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C114	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
CR1	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
CR2	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
CR3	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
CR4	1901-0518	8	1	DIODE-SCHOTTKY SM SIG	02062	5082-5509
CR5	1901-0518	8	1	DIODE-SCHOTTKY SM SIG	02062	5082-5509
CR6	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
CR101	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
CR102	1901-0050	3	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	03334	BAV10 SELECTED
J1	1251-8912	3	1	CONN-POST TYPE .100-PIN-SPCG 60-CONT	01380	534204-5
J2	1252-2260	4	1	CONN-POST TYPE .100-PIN-SPCG 8-CONT	02946	78207-108
J3	1252-3106	9	1	CONN-POST TYPE .100-PIN-SPCG 10-CONT	02946	68451-158
J4	1252-1470	6	1	CONN-POST TYPE .100-PIN-SPCG 40-CONT	01380	103922-1
L1	9100-1622	7	1	INDUCTOR RF-CH-MLD 24UH +-5% .166D-INX.3	03273	15M242J
L2	9140-0736	6	1	INDUCTOR-FIXED L:200 UH MIN @ 0.35 ADC,1	04200	
L3	9140-0736	6	1	INDUCTOR-FIXED L:200 UH MIN @ 0.35 ADC,1	04200	
L5	9100-1788	6	1	CORE-FERRITE CHOKE-WIDEBAND IMP:680 OHM	01887	VK200 20/4B
MP2	1205-0095	0	1	HEAT SINK SGL TO-5/TO-39-CS	02608	2225B
MP3	1205-0639	8	1	HEAT SINK SGL TO-220-CS	07179	5910B
MP4	0380-1842	6	3	STANDOFF-RVT-ON 8-MM-LG M3.0 X 0.5-THD	02121	
MP5	5021-8654	7	1	STANDOFF RF	28480	5021-8654
MP6	5021-8657	0	1	NUT STANDOFF	28480	5021-8657
MP7	0380-1242	0	4	STANDOFF-RVT-ON 20-MM-LG M3.0 X 0.5-THD	02121	
Q1	1854-0456	2	1	TRANSISTOR NPN SI PD=65W FT=3MHZ	01698	TIP41A
Q3	1855-0417	7	1	TRANSISTOR J-FET N-CHAN D-MODE TO-18 SI	02037	

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Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
Q4	1855-0686	2	1	TRANSISTOR MOSFET P-CHAN E-MODE TO-92 SI	02883	VP0300L(SEL)
Q5	1855-0420	2	1	TRANSISTOR J-FET 2N4391 N-CHAN D-MODE TO	02037	2N4391
Q6	1854-0215	1	1	TRANSISTOR NPN SI TO-92 PD=625MW FT=300M	00746	2N3904
Q7	1855-0414	4	1	TRANSISTOR J-FET 2N4393 N-CHAN D-MODE TO	02037	2N4393
Q8	1855-0420	2	1	TRANSISTOR J-FET 2N4391 N-CHAN D-MODE TO	02037	2N4391
Q9	1855-0420	2	1	TRANSISTOR J-FET 2N4391 N-CHAN D-MODE TO	02037	2N4391
Q10	1855-0420	2	1	TRANSISTOR J-FET 2N4391 N-CHAN D-MODE TO	02037	2N4391
Q101	1853-0036	2	1	TRANSISTOR PNP SI PD=310MW FT=250MHZ	02037	2N3906(SEL)
R1	0698-6624	5	1	RESISTOR 2K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R2	0698-6624	5	1	RESISTOR 2K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R5	0698-6343	5	1	RESISTOR 9K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R6	0698-6344	6	1	RESISTOR 900 +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R7	0698-6323	1	1	RESISTOR 100 +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R8	0698-6353	7	1	RESISTOR 50K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R9	0698-6353	7	1	RESISTOR 50K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R10	0699-1909	1	1	RESISTOR 2.31K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R11	0698-6322	0	1	RESISTOR 4K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R12	0698-6322	0	1	RESISTOR 4K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R13	0698-8907	1	1	RESISTOR 320 +-0.25% .25W TF TC=0+-50	01074	H4
R14	0757-0417	8	1	RESISTOR 562 +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R15	0698-3440	7	1	RESISTOR 196 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R16	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R17	0698-6343	5	1	RESISTOR 9K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R18	0698-6362	8	1	RESISTOR 1K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R20	0698-3334	8	1	RESISTOR 178 1% .5W TF TC=0+-100	01074	H2
R21	0698-6624	5	1	RESISTOR 2K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R22	0698-6624	5	1	RESISTOR 2K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R23	0698-7229	8	1	RESISTOR 511 +-1% .05W TF TC=0+-100	00746	CRB20
R24	0699-0233	2	1	RESISTOR 3.4K +-0.1% .1W TF TC=0+-5	02995	5023Z
R25	0699-1865	8	1	RESISTOR 3K +-0.1% .1W TF TC=0+-10	02995	5023Z
R26	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R27	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R28	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R29	0699-0098	7	1	RESISTOR 6K +-0.1% .1W TF TC=0+-15	02995	5023Z
R30	0699-1866	9	1	RESISTOR 2.7K +-0.1% .1W TF TC=0+-10	02995	5023Z
R31	0699-1910	4	1	RESISTOR 691.2K +-0.1% .125W TF TC=0+-25	01074	H8
R32	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R33	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R36	0757-1094	9	1	RESISTOR 1.47K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R37	0699-1865	8	1	RESISTOR 3K +-0.1% .1W TF TC=0+-10	02995	5023Z
R38	0699-2265	4	1	RESISTOR 200 +-0.1% .5W TF TC=0+-10	02995	5043ZB200RB-13
R39	0699-2265	4	1	RESISTOR 200 +-0.1% .5W TF TC=0+-10	02995	5043ZB200RB-13
R40	0699-2265	4	1	RESISTOR 200 +-0.1% .5W TF TC=0+-10	02995	5043ZB200RB-13
R41	0699-2265	4	1	RESISTOR 200 +-0.1% .5W TF TC=0+-10	02995	5043ZB200RB-13
R42	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R43	0698-3438	3	1	RESISTOR 147 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R44	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R45	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25

**Indicates factory-selected value*

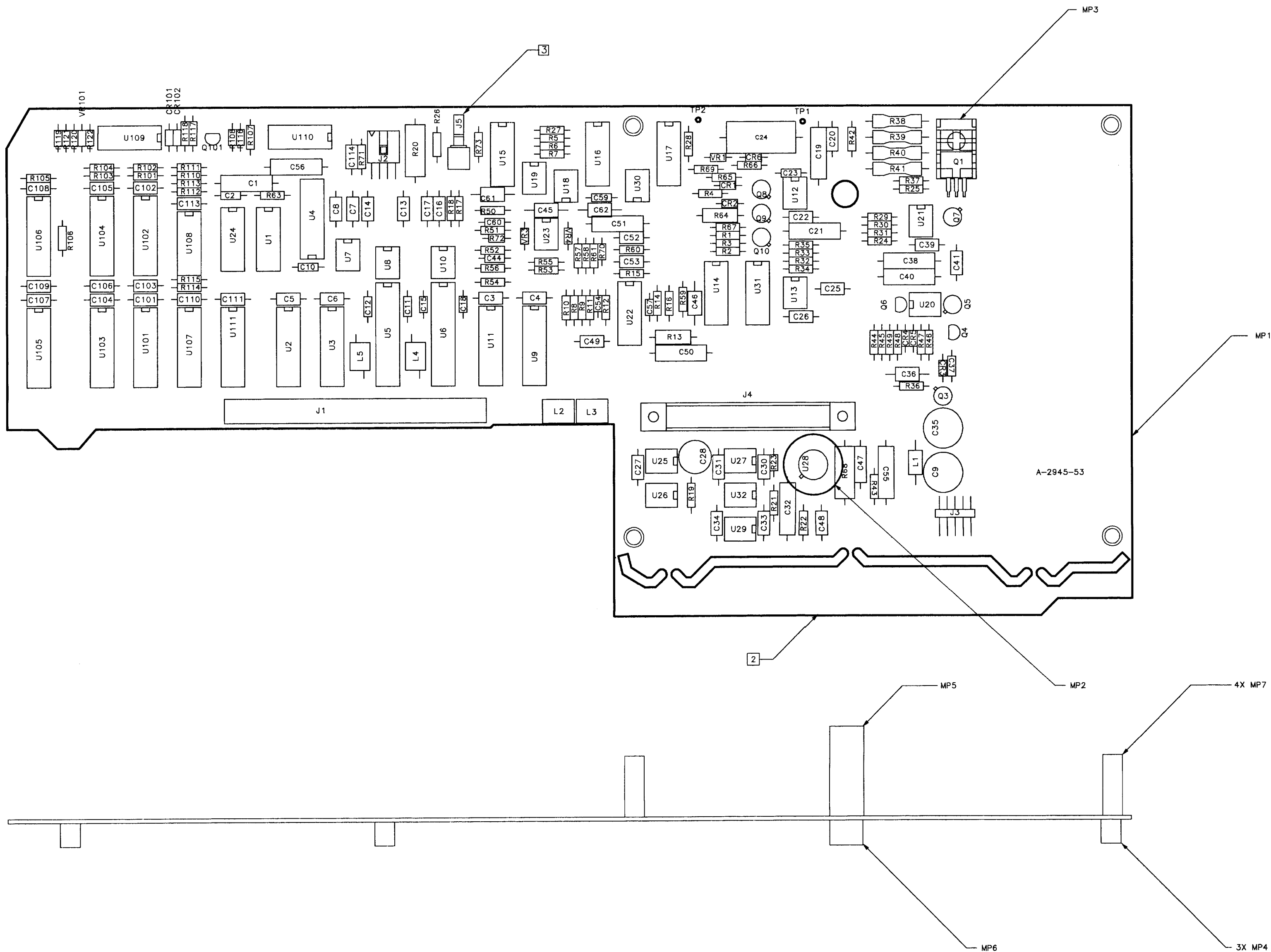
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Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
R46	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R47	0757-0280	3	1	RESISTOR 1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R48	0757-0465	6	1	RESISTOR 100K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R49	0757-0465	6	1	RESISTOR 100K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R51	0698-0084	9	1	RESISTOR 2.15K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R54	0698-6358	2	1	RESISTOR 100K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R55	0698-6355	9	1	RESISTOR 400 +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R57	0698-0084	9	1	RESISTOR 2.15K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R58	0698-3155	1	1	RESISTOR 4.64K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R59	0757-0199	3	1	RESISTOR 21.5K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R60	0698-3153	9	1	RESISTOR 3.83K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R61	0699-1910	4	1	RESISTOR 691.2K +-0.1% .125W TF TC=0+-25	01074	H8
R63	0757-0416	7	1	RESISTOR 511 +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R64	0698-8838	7	1	RESISTOR 3.52K +-0.1% .125W TF TC=0+-10	02995	5033Z
R65	0698-3942	4	1	RESISTOR 69.8K .1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R66	0698-8827	4	1	RESISTOR 1M +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R68	0757-0795	5	1	RESISTOR 75 +-1% .5W TF TC=0+-100	01074	H2
R69	0757-0477	0	1	RESISTOR 332K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R70	0698-7236	7	1	RESISTOR 1K +-1% .05W TF TC=0+-100	00746	CRB20
R71	0698-3429	2	1	RESISTOR 19.6 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R72	0698-7212	9	1	RESISTOR 100 +-1% .05W TF TC=0+-100	00746	CRB20
R73	0698-8827	4	1	RESISTOR 1M +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R103	0698-6619	8	1	RESISTOR 15K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R104	0698-6619	8	1	RESISTOR 15K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R105	0698-6619	8	1	RESISTOR 15K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R106	0698-6619	8	1	RESISTOR 15K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R107	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R110	0757-0458	7	1	RESISTOR 51.1K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R111	0757-0439	4	1	RESISTOR 6.81K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R112	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R113	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R114	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R115	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R117	0757-0438	3	1	RESISTOR 5.11K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R118	0757-0274	5	1	RESISTOR 1.21K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
TP1	0360-1682	0	1	TERMINAL-STUD SGL-TUR PRESS-MTG	05364	14758-8
TP2	0360-1682	0	1	TERMINAL-STUD SGL-TUR PRESS-MTG	05364	14758-8
U1	1820-3079	0	1	IC DCDR CMOS/74HC BIN 3-TO-8-LINE	02037	MC74HC138N
U2	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U3	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U4	1826-1386	0	1	D/A 12-BIT 18-PLASTIC CMOS	03285	AD7541AKN
U5	1826-1933	3	1	D/A 12-BIT 24-PLASTIC CMOS	03285	AD7547KN
U6	1826-1933	3	1	D/A 12-BIT 24-PLASTIC CMOS	03285	AD7547KN
U8	1826-1436	1	1	IC OP AMP PRCN DUAL 8-DIP-C PKG	10858	LT1013ACJ8
U9	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U10	1826-1436	1	1	IC OP AMP PRCN DUAL 8-DIP-C PKG	10858	LT1013ACJ8
U11	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J

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Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
U12	1826-1969	5	1	IC OP AMP LOW-DRIFT DUAL 8-DIP-C PKG	03285	AD708AQ
U14	1826-0811	4	1	ANALOG SWITCH 4 SPST 16 -CERDIP	02180	SW-01FQ
U15	1826-0610	1	1	ANALOG MULTIPLEXER 4 CHNL 16 -CERDIP	02180	MUX-24FQ
U16	1826-0610	1	1	ANALOG MULTIPLEXER 4 CHNL 16 -CERDIP	02180	MUX-24FQ
U17	1826-0609	8	1	ANALOG MULTIPLEXER 8 CHNL 16 -CERDIP	02180	MUX-08FQ
U18	1826-1048	1	2	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U20	1826-0915	9	1	IC OP AMP LOW-BIAS-H-IMPD 8-DIP-C PKG	01698	TL071ACJG (PER HP DWG)
U21	1826-1049	2	1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-27GZ
U22	1826-1459	8	1	IC OP AMP CUR 14-DIP-C PKG	02180	OP-50FY
U24	1820-3079	0	1	IC DCDR CMOS/74HC BIN 3-TO-8-LINE	02037	MC74HC138N
U25	1826-1514	6	1	IC V RGLTR-V-REF-FXD 9.95/10.05V 8-DIP-P	10858	LT1021BCN8-10
U26	1826-1048	1	2	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U27	1826-1048	1	2	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U28	1826-0496	1	1	IC V RGLTR-FXD-NEG -4.8/-5.2V TO-39 PKG	02037	MC79L05ACG
U29	1826-1048	1	2	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U30	1826-1048	1	2	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U31	1826-1186	8	1	ANALOG SWITCH 4 SPST 16 -CERDIP	02180	SW-06GQ
U32	1826-0785	1	1	IC OP AMP LOW-BIAS-H-IMPD DUAL 8-DIP-C	01698	TL072ACJG
U101	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U102	1826-1253	0	1	D/A 18-CERDIP BPLR	02180	DAC-86EX
U103	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U104	1826-1253	0	1	D/A 18-CERDIP BPLR	02180	DAC-86EX
U105	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U106	1826-1253	0	1	D/A 18-CERDIP BPLR	02180	DAC-86EX
U107	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U108	1826-0759	9	1	IC COMPARATOR GP QUAD 14-DIP-C PKG	02037	LM339J
U109	1858-0074	8	1	TRANSISTOR ARRAY 14-PIN PLSTC TO-116	02037	MPQ6100
U110	1858-0047	5	1	TRANSISTOR ARRAY 16-PIN PLSTC DIP	02037	
U111	1820-3565	9	1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
VR1	1902-3160	4	1	DIODE-ZNR 10V 2% DO-35 PD=.4W TC=+.06%	02037	
VR3	1902-0950	4	1	DIODE-ZNR 4.7V 5% DO-35 PD=.4W TC=+.025%	02037	
VR4	1902-0962	8	1	DIODE-ZNR 15V 5% DO-35 PD=.4W TC=+.087%	02037	
VR101	1902-0958	2	1	DIODE-ZNR 10V 5% DO-35 PD=.4W TC=+.075%	02037	
W1	8159-0005	0	1	RESISTOR-ZERO OHMS 22 AWG LEAD DIA	01339	L-2007-1

**Indicates factory-selected value*



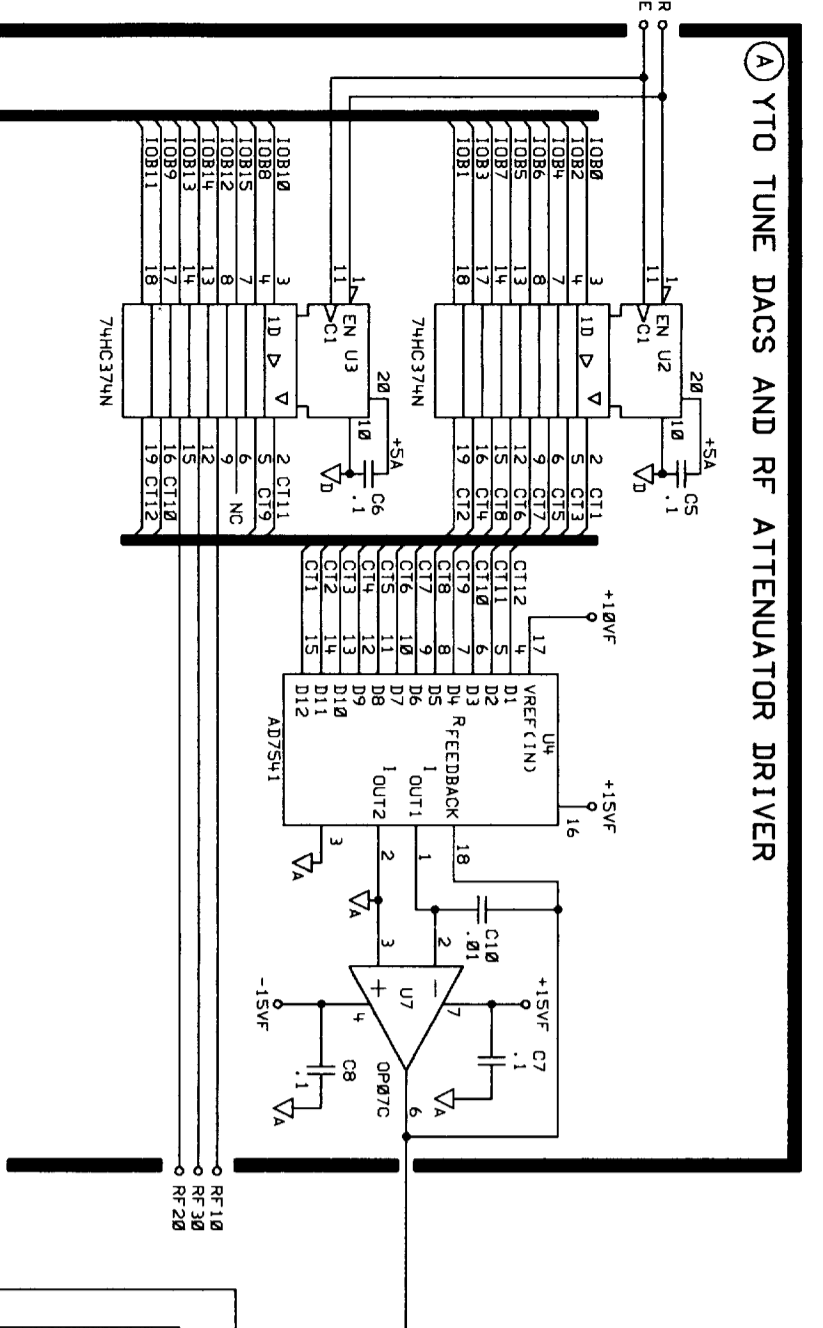
- NOTES: UNLESS OTHERWISE SPECIFIED
1. DIMENSIONS ARE IN INCHES.
 2. REMOVE TABS AFTER WAVE SOLDER.
 3. J5 SHOWN FOR REFERENCE ONLY DO NOT LOAD
 4. CHECK FOR MODIFICATIONS IN THE P.C. LINE ASSEMBLY DOCUMENTATION MANUAL A-08590-A7.

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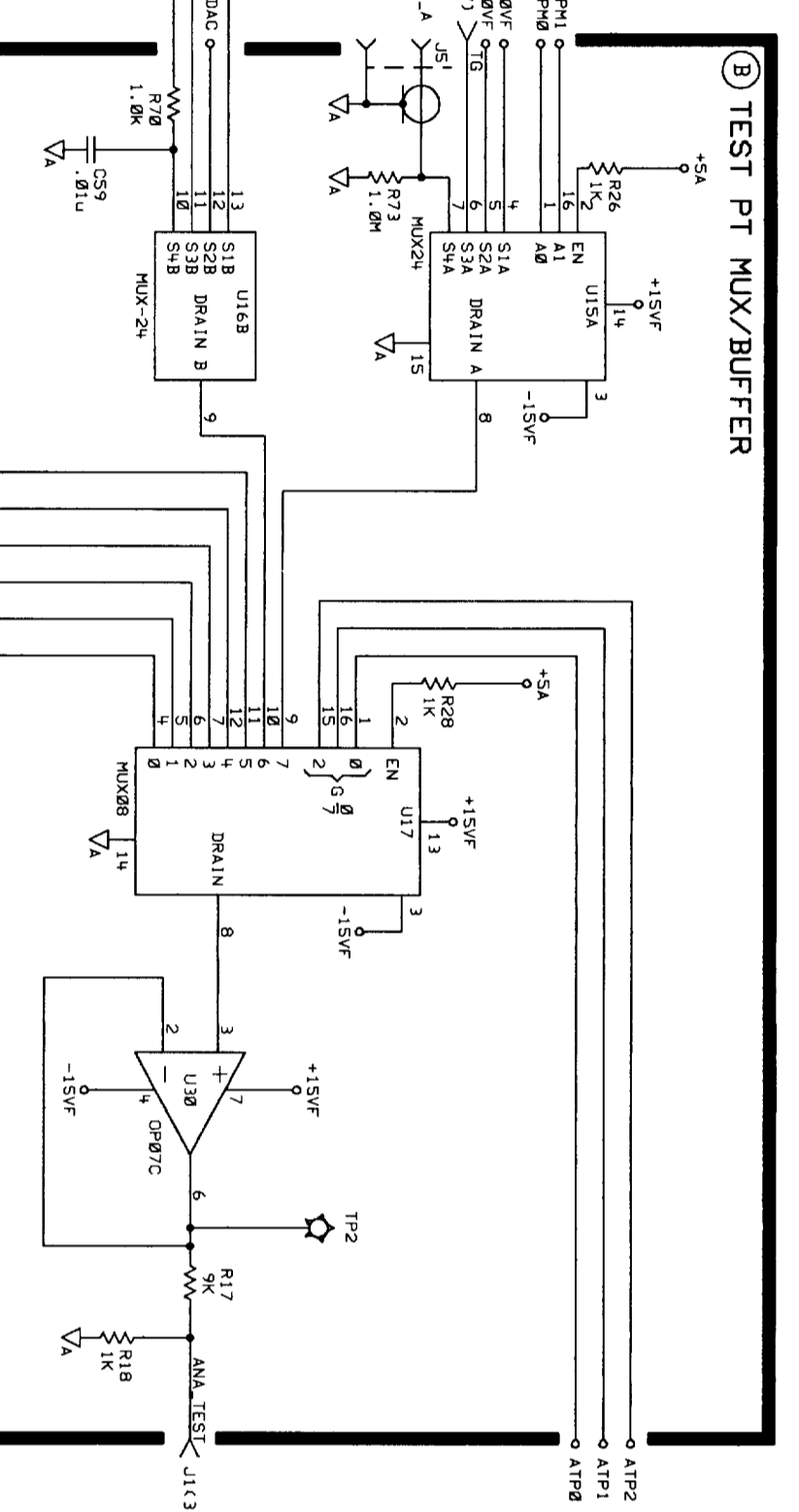
SEE 08590-60191 MATERIAL LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY	DATE	BOARD ASSEMBLY- ANALOG INTERFACE	
TOLERANCES: XX-XXX 0.015	ENGINEER/CHECKER		TITLE	
SEE COMP. STD. 608	RELEASED TO PROD.		NONE	PART NUMBER 08590-60191
	SUPERSEDES DWG.		SCALE 1 1	E-08590-60191-2
			SHEET OF	

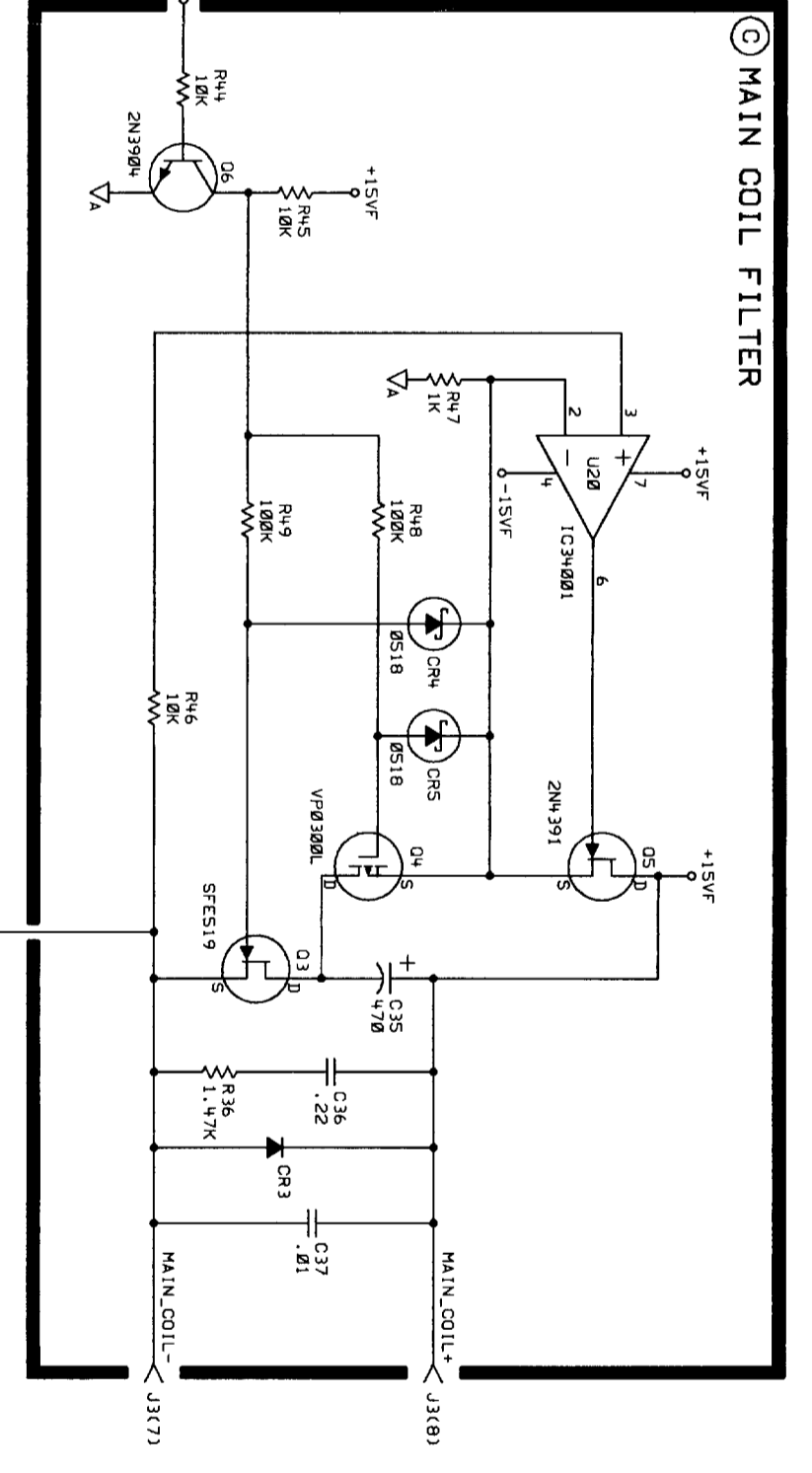
REV.	REVISIONS	DATE
A		



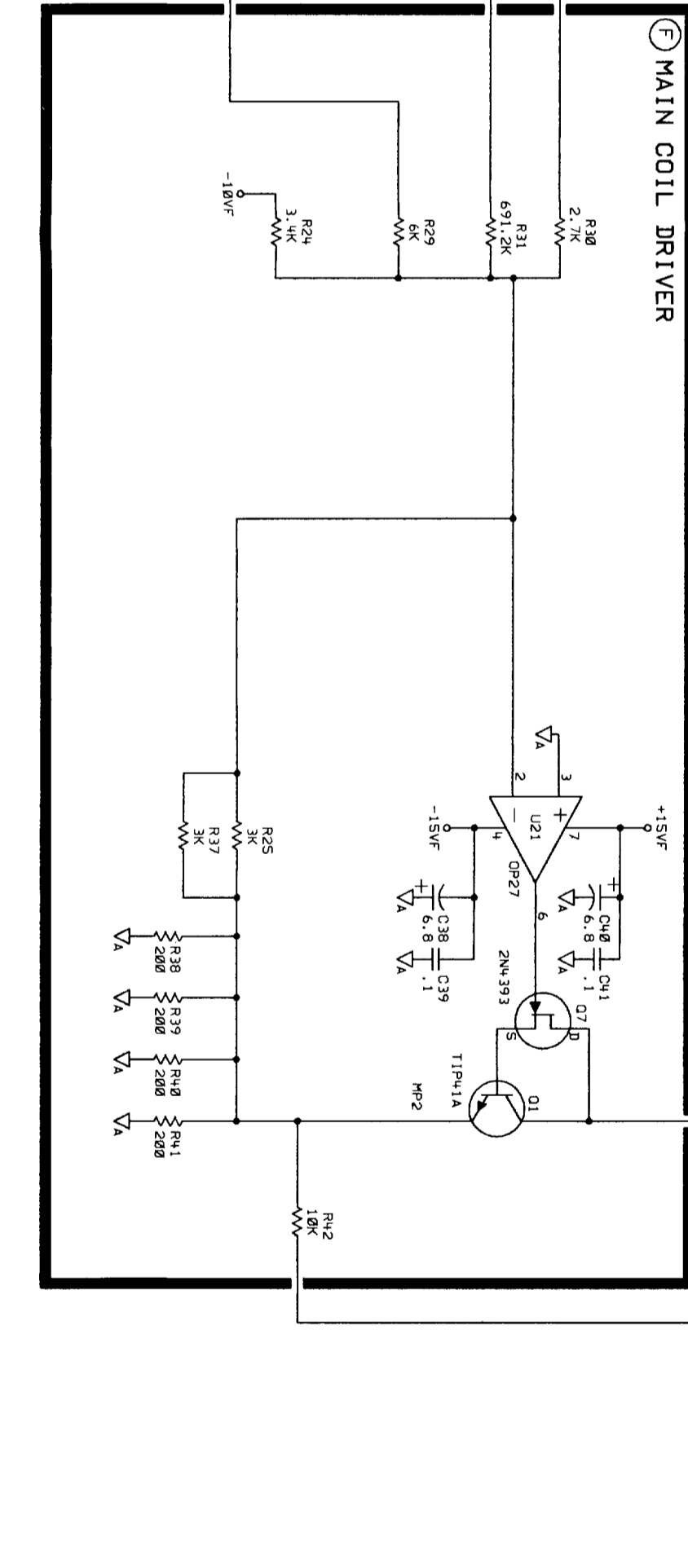
③ TEST PT MUX/BUFFER



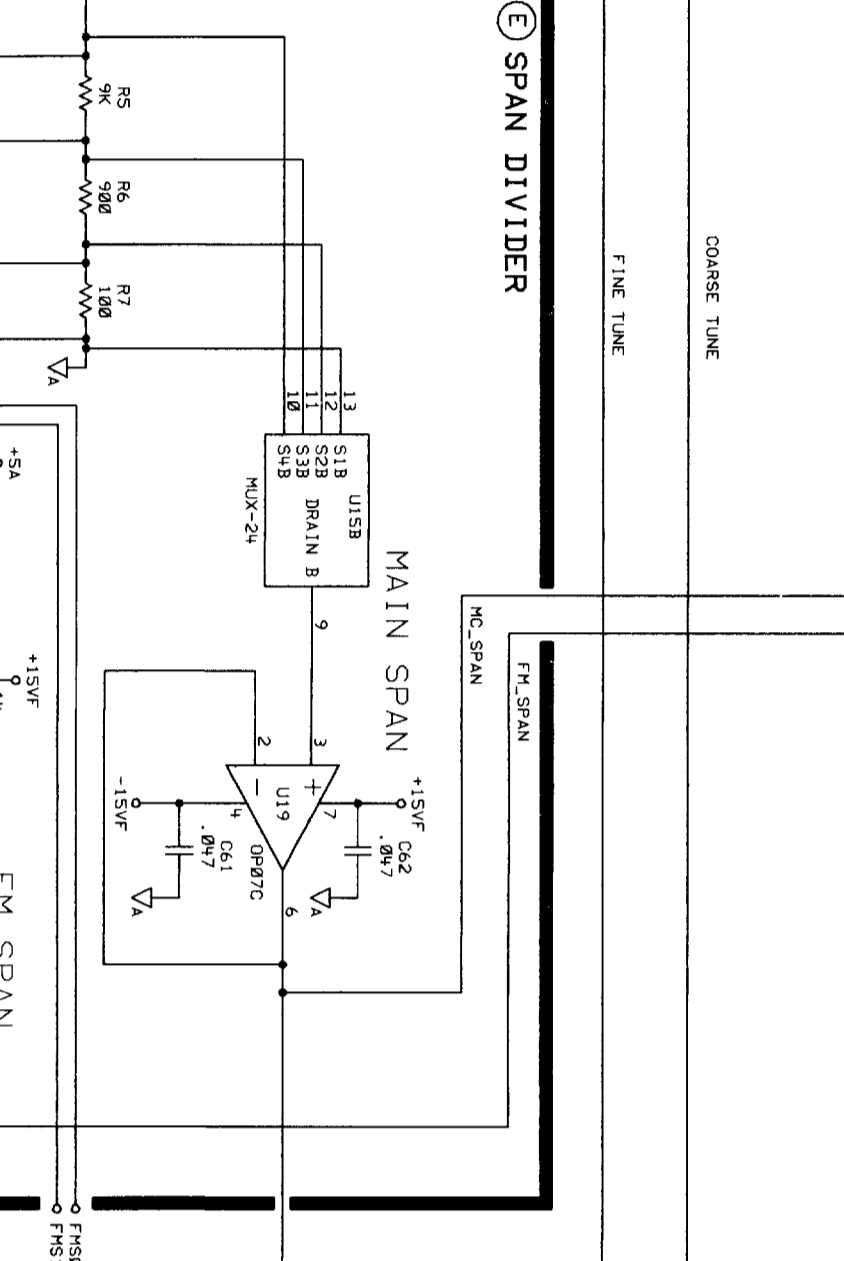
④ MAIN COIL FILTER



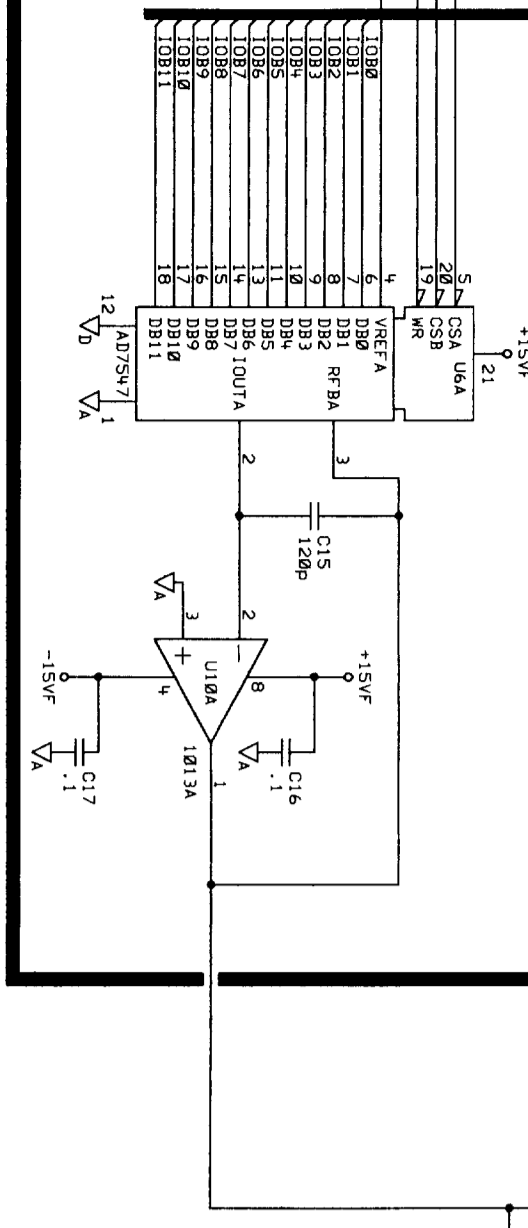
⑦ MAIN COIL DRIVER



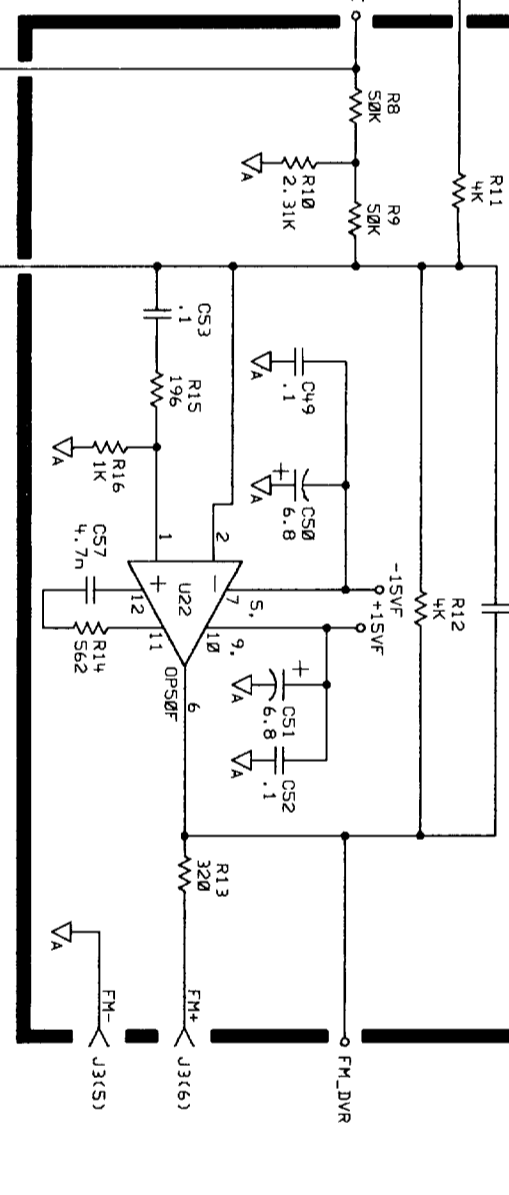
⑤ SPAN DIVIDER



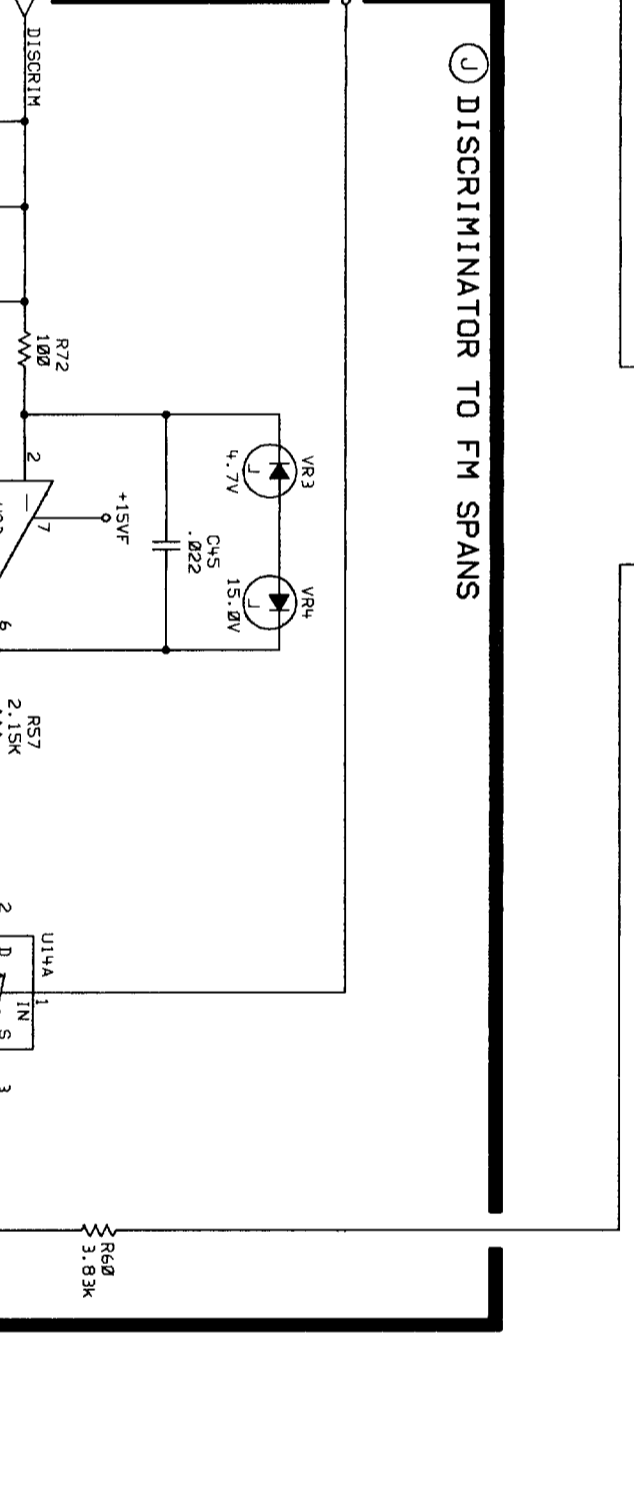
⑨ SPAN DAC



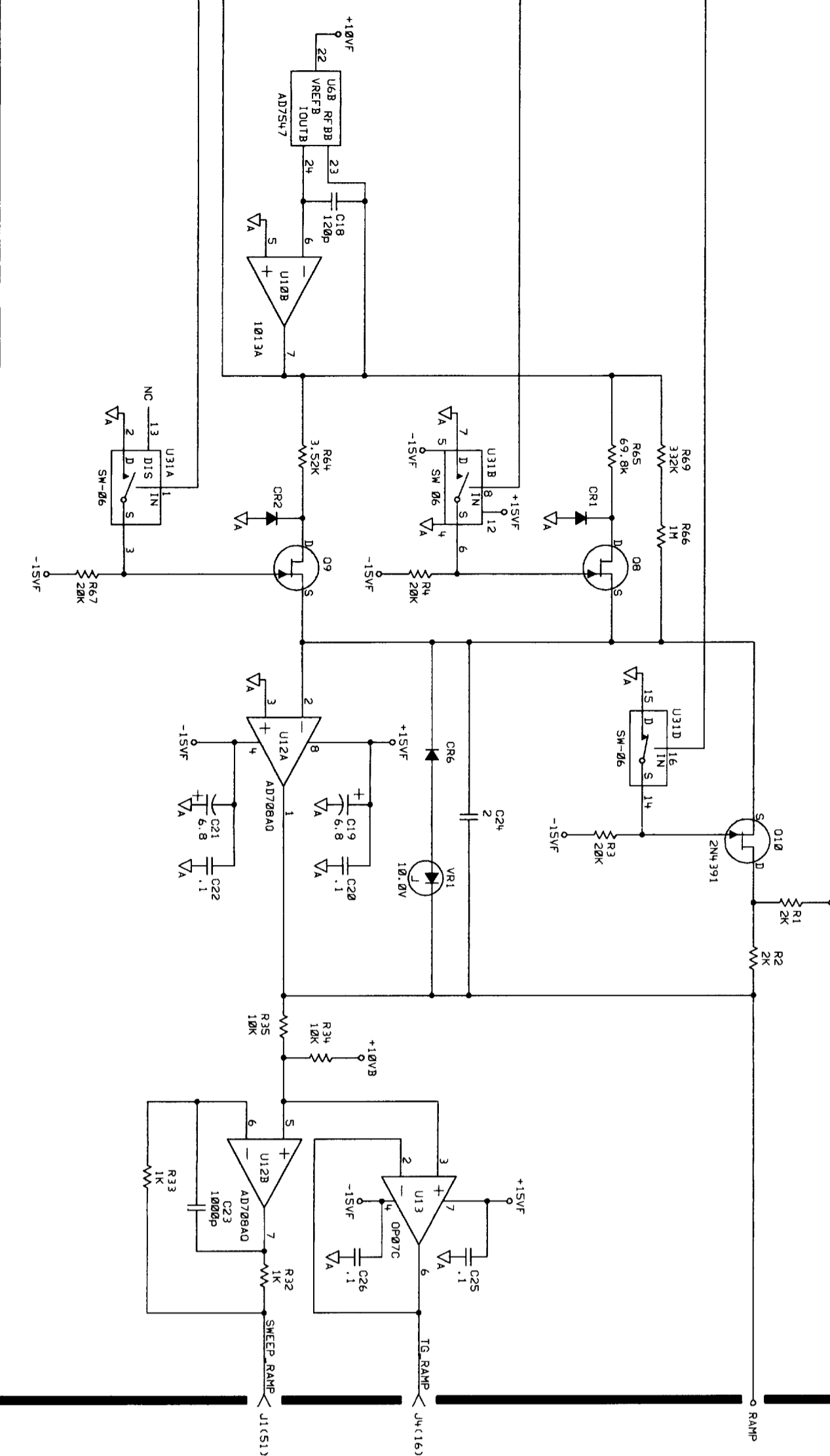
⑧ FM COIL DRIVER



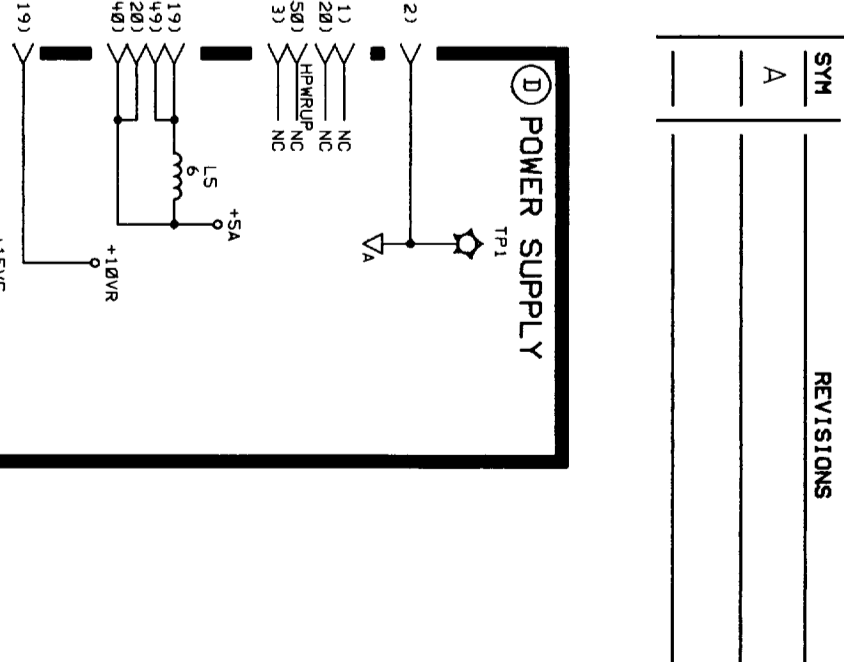
⑩ DISCRIMINATOR TO FM SPANS



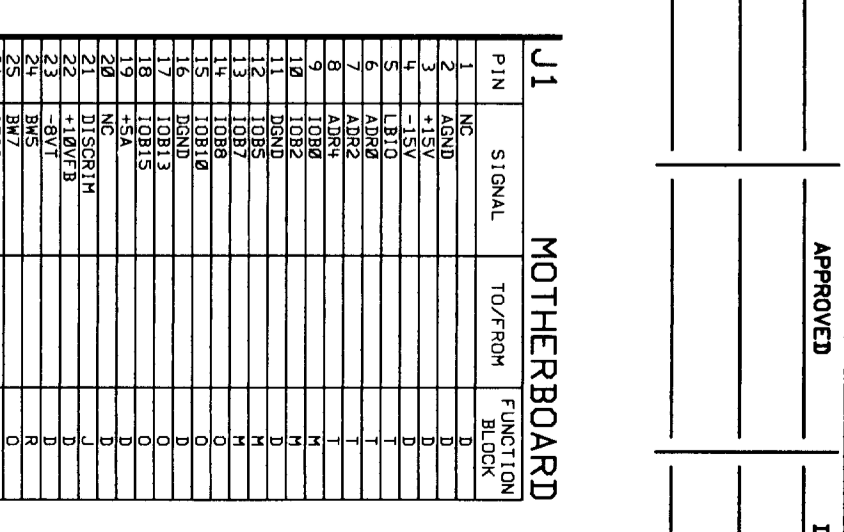
① SWEEP RAMP GENERATOR



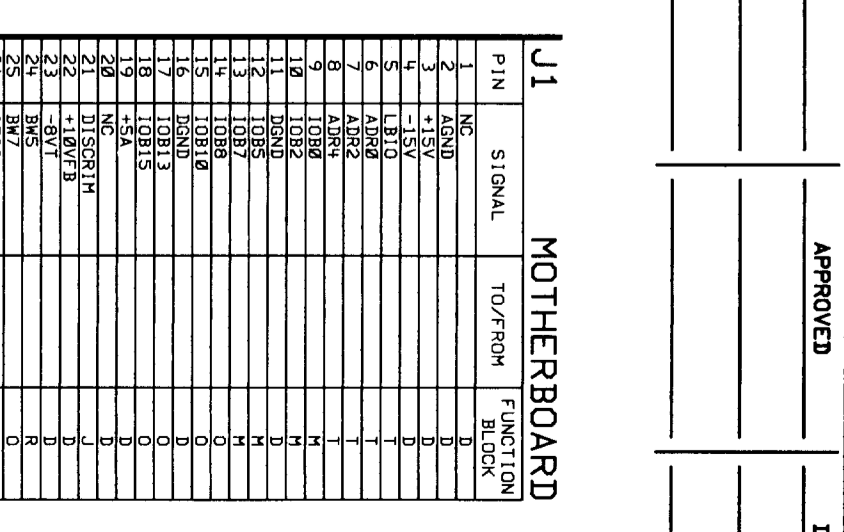
① POWER SUPPLY



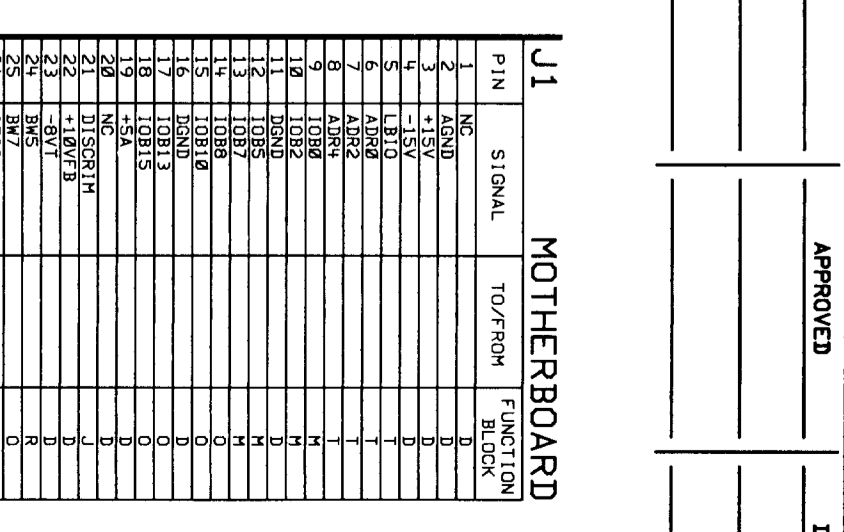
② 2ND CONV.ATTEN.



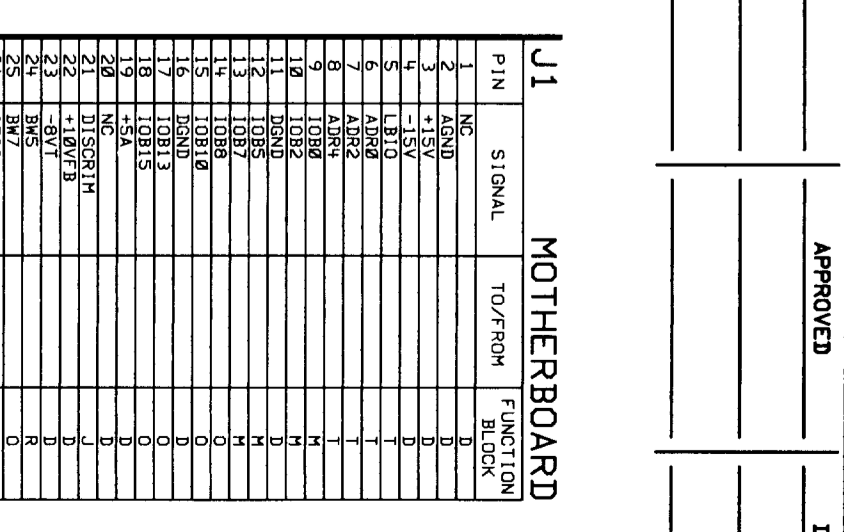
③ MOTHERBOARD



④ YIG



⑤ TIG



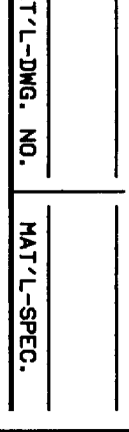
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NOTES:
 1. REFERENCE RESISTORS WITHIN THIS ASSEMBLY ARE ABBREVIATED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 2. RESISTOR VALUES IN PARENTHESES ARE ALTERNATE VALUES. 3. INDUCTIVE LABELS ARE IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 4. CAPACITANCE IN MICROFARADS (UF) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 5. CAPACITANCE IN PICOFARADS (PF) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 6. CAPACITANCE IN NANOFARADS (NF) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 7. CAPACITANCE IN FARADS (F) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 8. CAPACITANCE IN MILLIFARADS (MF) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 9. CAPACITANCE IN MICROHENRYS (UH) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 10. CAPACITANCE IN NANOHENRYS (NH) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 11. CAPACITANCE IN MICROSIEMENS (UM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 12. CAPACITANCE IN NANOSIEMENS (NM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 13. CAPACITANCE IN MICROOHMS (UM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 14. CAPACITANCE IN NANOOHMS (NM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 15. CAPACITANCE IN MICROHENRYS (UH) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 16. CAPACITANCE IN NANOHENRYS (NH) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 17. CAPACITANCE IN MICROSIEMENS (UM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 18. CAPACITANCE IN NANOSIEMENS (NM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 19. CAPACITANCE IN MICROOHMS (UM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE. 20. CAPACITANCE IN NANOOHMS (NM) IS IDENTIFIED BY THE LETTERS A-J, AND THE NUMBER FOR COMPLETE REFERENCE.

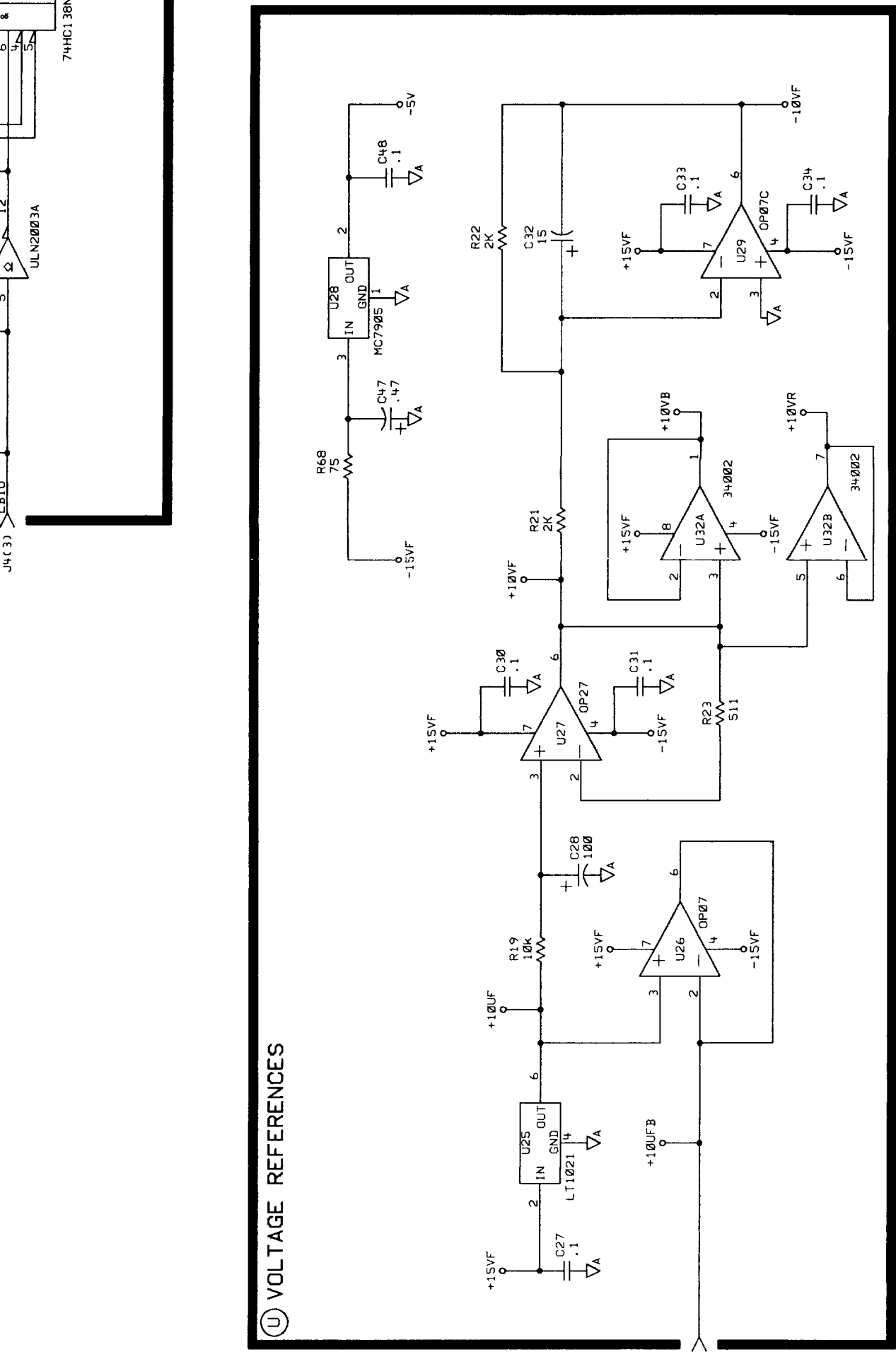
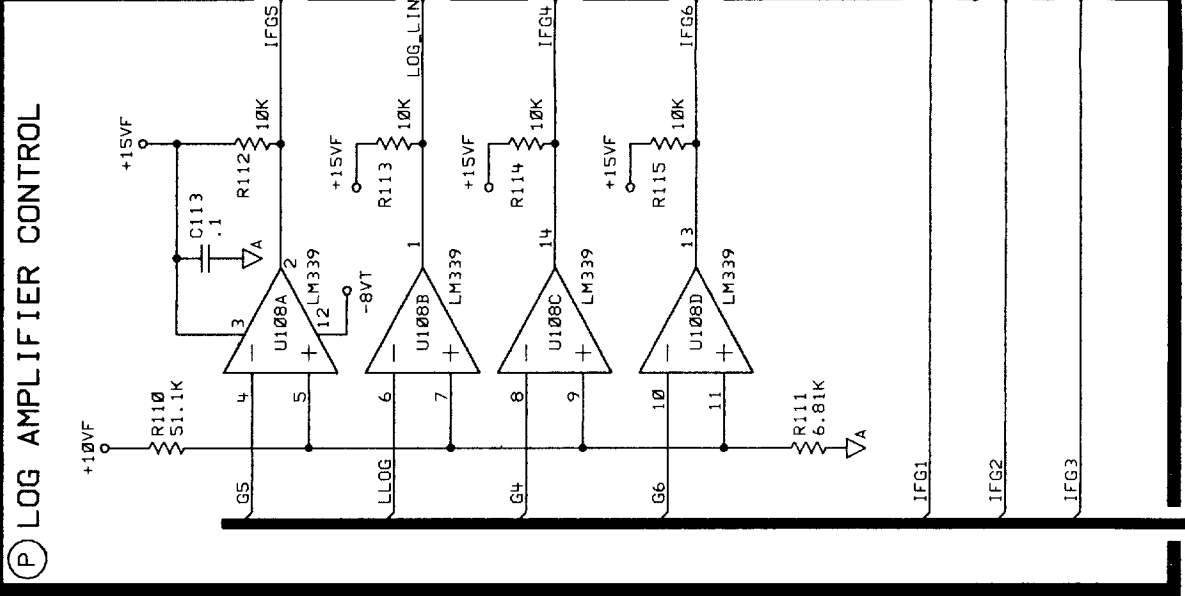
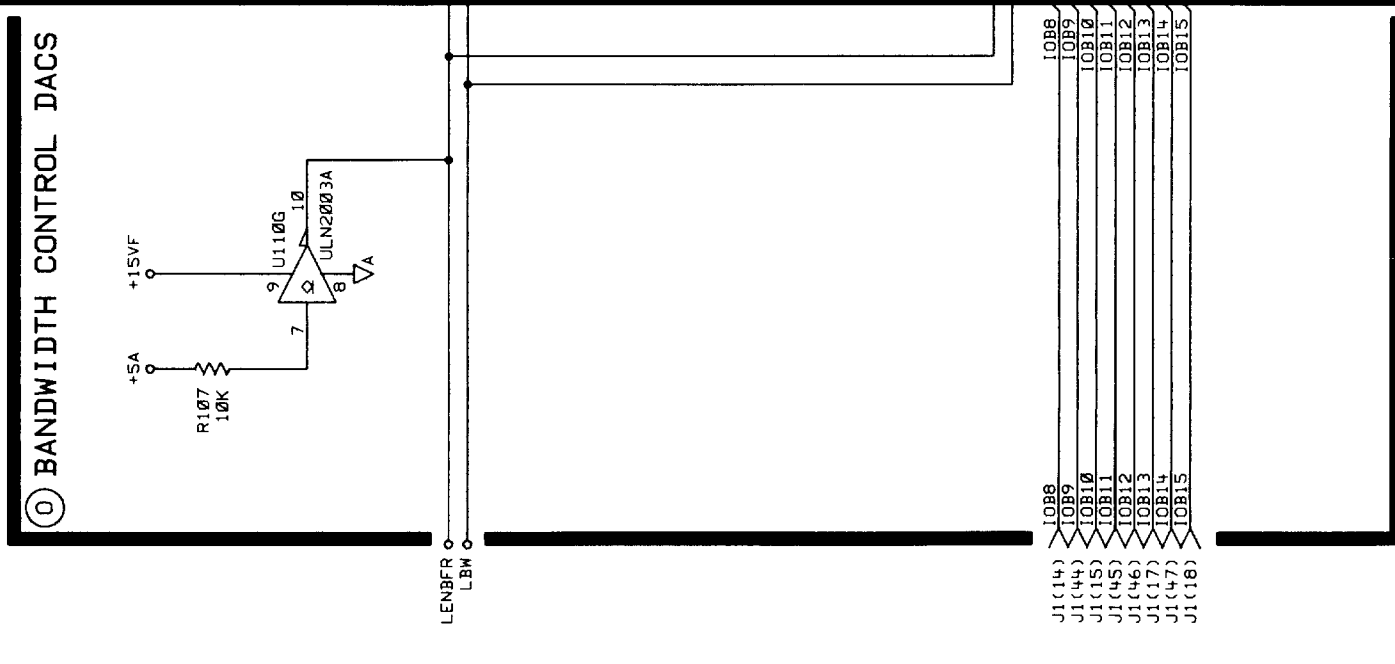
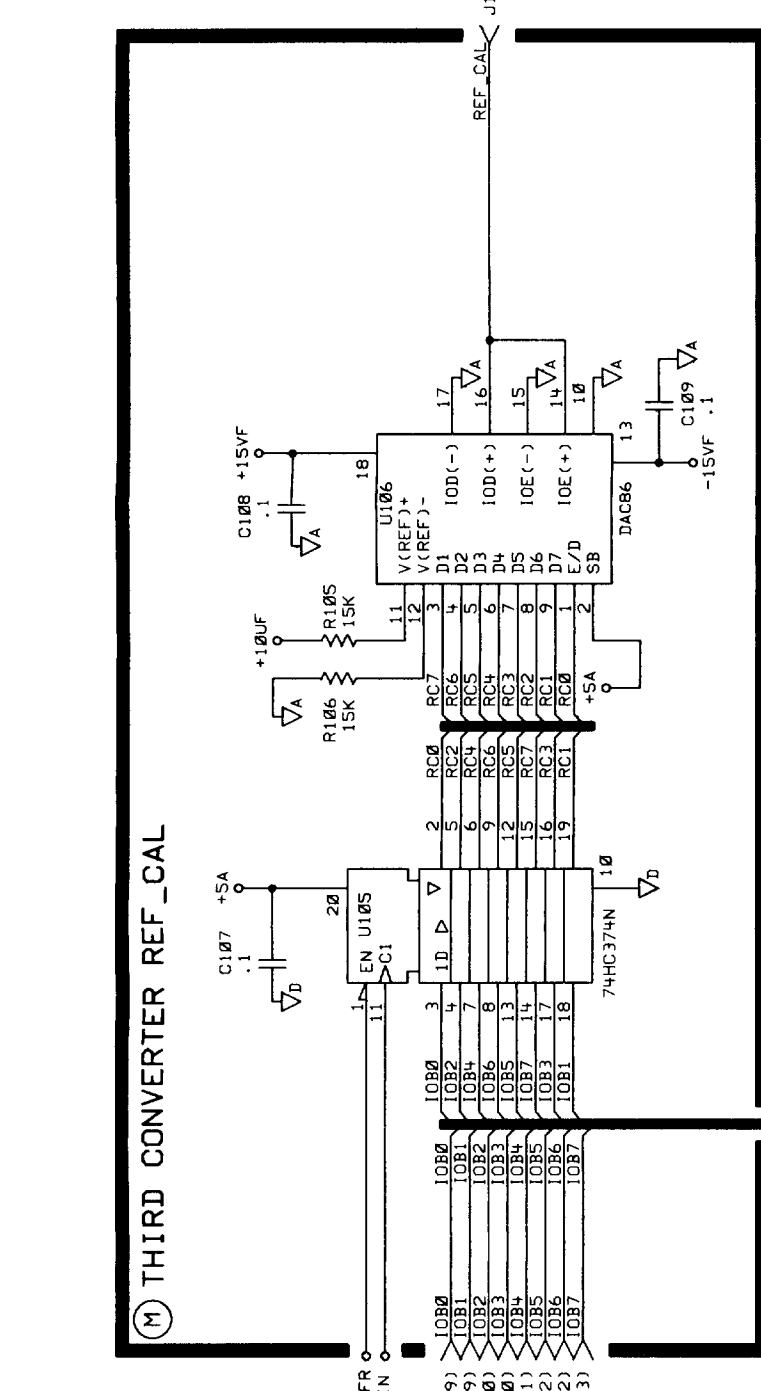
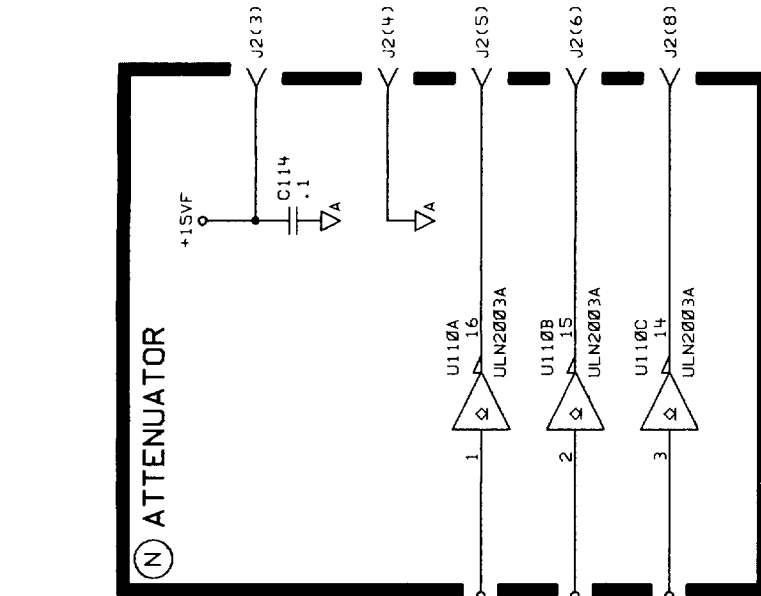
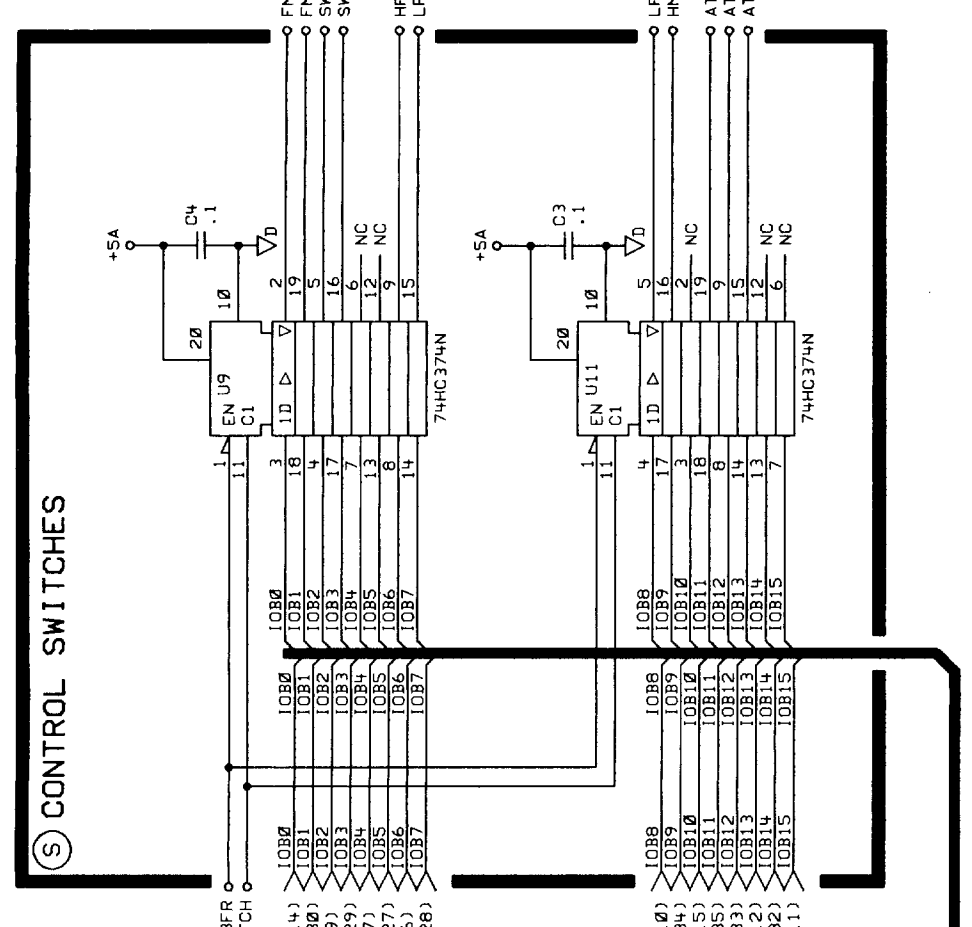
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ITEM	QTY.	PART/MATERIAL-DESCRIPTION	MAT'L-PART NO.	MAT'L-DMG. NO.	MAT'L-SPEC.
DRIVER BY					
ENGINEER/CHECKER					
RELEASE TO PROD.					
SUPERSEDES DWG.					

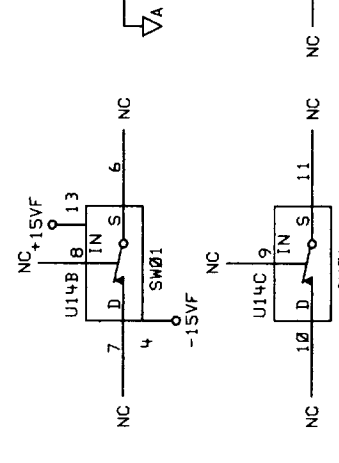
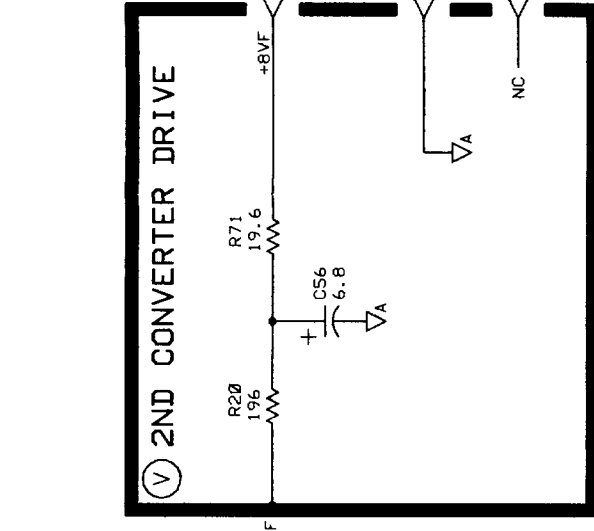
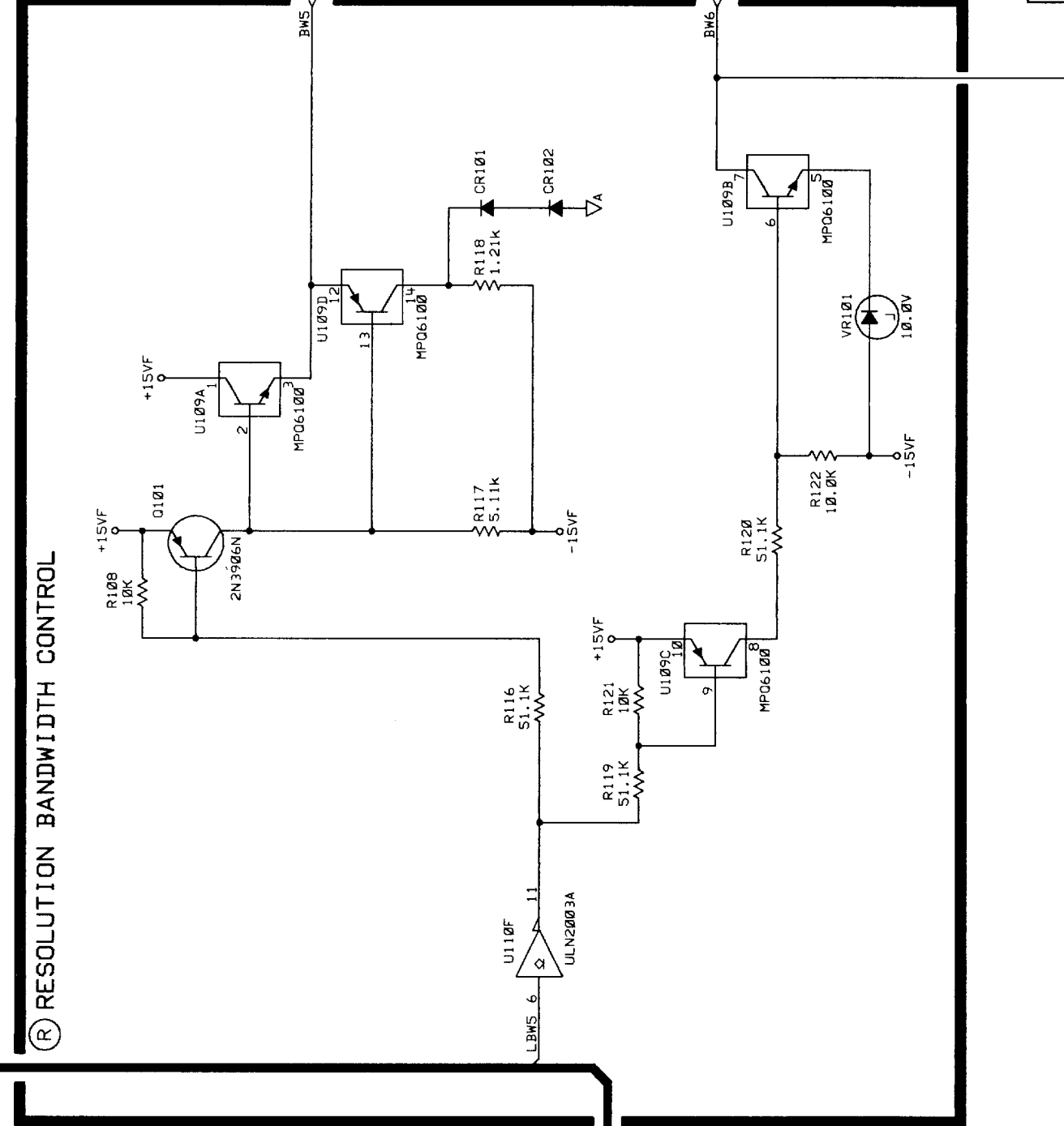
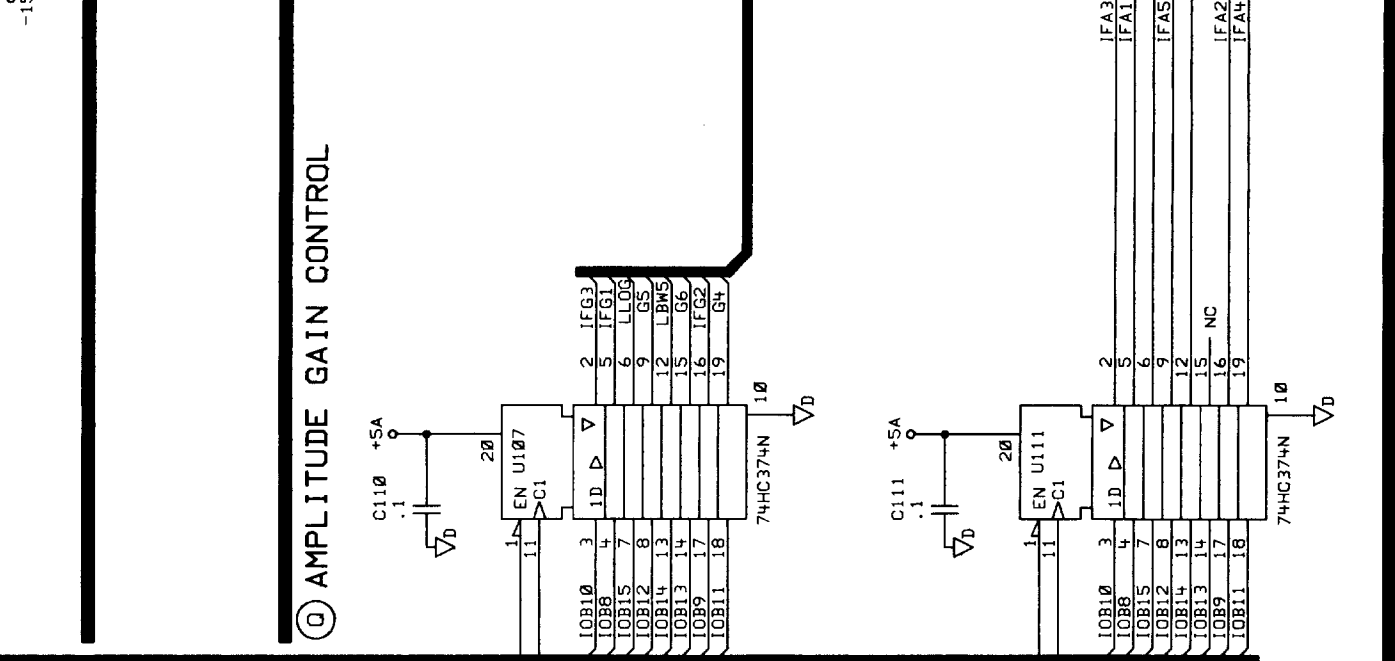
BOARD ASSEMBLY-
 ANALOG INTERFACE
 (SCHEMATIC)
 085900-60191
 PART NUMBER
 FILENAME=085900-60191
 SCALE NONE
 SHEET 1 OF 2
 -085900-60191-1



SYM	REV	DESCRIPTIONS	APPROVED	DATE
A				



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 3. PHENOMENON DESCRIPTION



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BOARD ASSEMBLY					
ANALOG INTERFACE (SCHEMATIC)					
DRAWN BY	DATE		HEWLETT PACKARD		
ENGINEER/CHECKER			08590-60191		
RELEASE TO PROD.			PART NUMBER		
NONE			FILENAME:51918A		
SCALE			SHEET 2 OF 2		
			D-08590-60191-1		