

Component-Level Information Packet

for 08594-60001

Analog Interface for HP 8594A

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HP Document Part Number 08594-90003

**Printed October 1990
Printed in USA**

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HP Part Number 08594-60001
Analog Interface

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
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
C10	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%
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	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH
C37	0160-4831	3	1	CAP-FXD 4700pF 100 V	02010	SA101C472KAAH
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
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
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	0180-3635	5	1	CAP-FXD 470uF 25 V AL-ELCTLT	00493	SR25VB471M12.5X15
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
C101	0160-4835	7	1	CAP-FXD 0.1uF 50 V	02010	SA115C104KAAH

*Indicates factory-selected value

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Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
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
C112	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
C305	0160-4832	4	1	CAP-FXD 0.01uF 100 V	02010	SA101C103KAAH
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
CR401	1901-0734	0	1	DIODE-PWR RECT 1N5818 30V 1A	02037	1N5818
J1	1251-8912	3	1	CONN-POST TYPE .100-PIN-SPCG 60-CONT	01380	534204-5
J3	1251-7683	3	1	CONN-POST TYPE .100-PIN-SPCG 10-CONT	01380	87227-5
J4	1252-2008	8	1	CONN-POST TYPE .100-PIN-SPCG 9-CONT	02946	68451-124
J5	1252-2028	2	1	CONN-POST TYPE .100-PIN-SPCG 10-CONT	04726	3591-5022
J6	1250-0543	8	1	CONNECTOR-RF SM-SNP M PC 50-OHM	05769	51-053-0349-BE8
J7	1250-0257	1	1	CONNECTOR-RF SMB M PC-W-STDFS 50-OHM	02788	5162-5021-09
L1	9140-0245	2	1	INDUCTOR 445MH .335D-INX.924LG-IN	03273	28M443J-1
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	
MP5	5021-8672	9	1	STANDOFF RF	28480	5021-8672
MP6	5021-8657	0	1	NUT STANDOFF	28480	5021-8657
MP7	0380-1842	6	3	STANDOFF-RVT-ON 8-MM-LG M3.0 X 0.5-THD	02121	
MP8	1205-0583	1	1	HEAT SINK SGL TO-5/TO-39-CS	02608	2215B-SS1
MP9	6040-0454	0		HEAT SINK COMPOUND SYNTH/REFRC	07477	520221J
Q1	1855-0646	4	1	TRANSISTOR MOSFET N-CHAN E-MODE TO-39 SI	03038	IRFF131
Q2	1854-0215	1	1	TRANSISTOR NPN SI TO-92 PD=625MW FT=300M	00746	2N3904
Q3	1855-0449	5	1	TRANSISTOR J-FET 2N5434 N-CHAN D-MODE TO	02883	
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
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
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

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R3	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R4	0698-6630	3	1	RESISTOR 20K +-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	0699-0517	5	1	RESISTOR 5.621K +-0.1% .1W TF TC=0+4	02995	5023Z
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	0698-3446	3	1	RESISTOR 383 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
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
R19	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R20	0698-3446	3	1	RESISTOR 383 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
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	0698-3904	8	1	RESISTOR 14.7K .1% .1W TF TC=0+-10	02995	5023Z
R25	0699-1269	6	1	RESISTOR 2.31K +-0.1% .1W TF TC=0+-10	02995	5023Z
R26	0699-0936	2	1	RESISTOR 57.014K +-0.1% .1W TF TC=0+-5	02995	5023Z
R27	0698-5362	6	1	RESISTOR 1.477K +-0.1% .1W TF TC=0+-5	02995	5023Z
R28	0698-8831	0	1	RESISTOR 13.4K +-0.1% .125W TF TC=0+-10	02995	5033Z
R29	0699-0118	2	1	RESISTOR 20K +-0.1% .1W TF TC=0+-5	02995	5023Z
R30	0699-1146	8	1	RESISTOR 9.064K +-0.1% .1W TF TC=0+4	02995	5023Z
R31	0699-0936	2	1	RESISTOR 57.014K +-0.1% .1W TF TC=0+-5	02995	5023Z
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
R34	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R35	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R36	0698-3153	9	1	RESISTOR 3.83K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R37	0698-8877	4	1	RESISTOR 22.1K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R38	0699-1825	0	1	RESISTOR 50 +-1% .3W MF TC=0+-5	02091	RCK02A
R39	0699-1825	0	1	RESISTOR 50 +-1% .3W MF TC=0+-5	02091	RCK02A
R40	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R41	0757-0442	9	1	RESISTOR 10K +-1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R42	0698-6320	8	1	RESISTOR 5K +-0.1% .125W TF TC=0+-25	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
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
R50	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25

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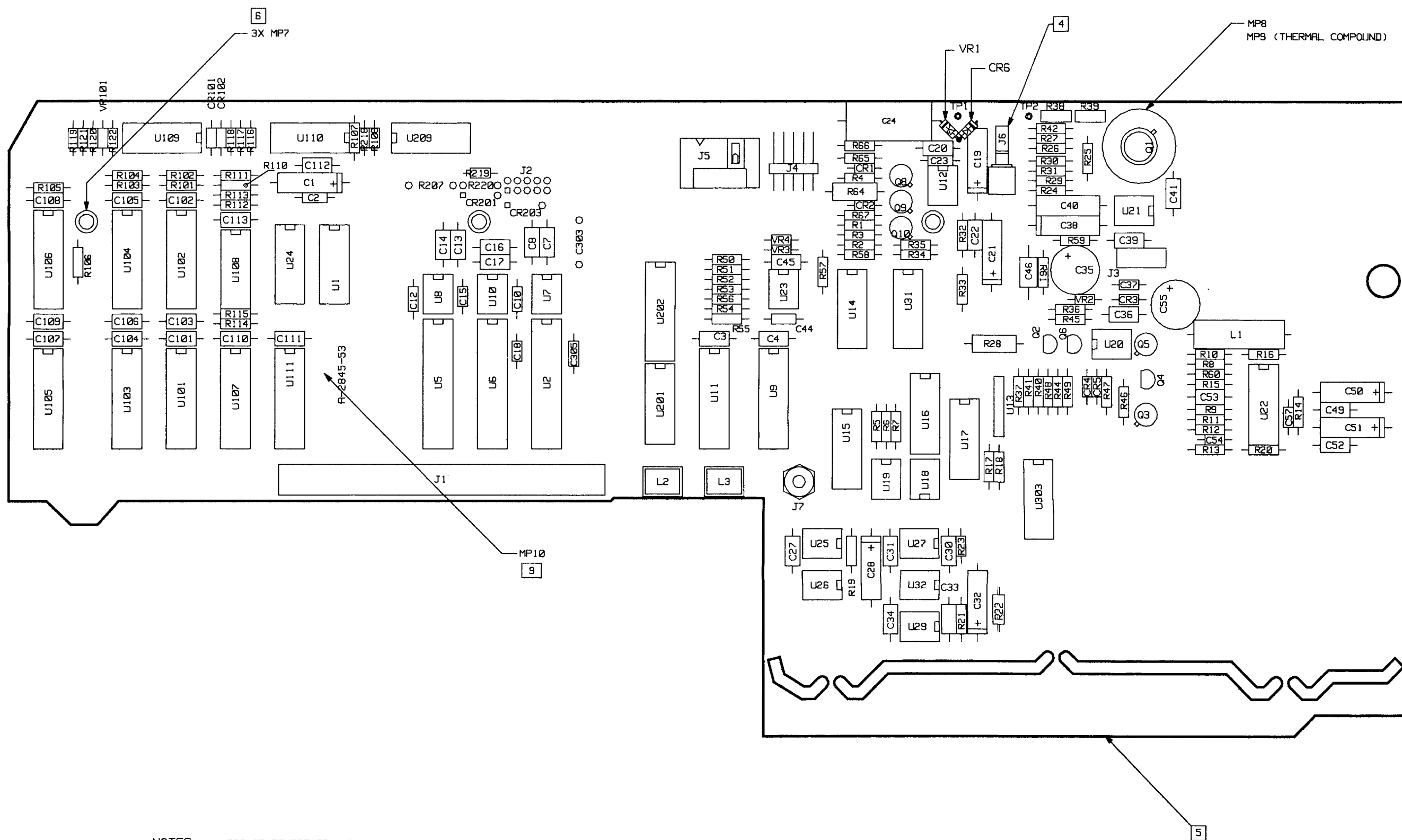
Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
R51	0698-0084	9	1	RESISTOR 2.15K 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R52	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R53	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	00746	CRB14 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
R56	0698-6630	3	1	RESISTOR 20K +-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	0757-0460	1	1	RESISTOR 61.9K +-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
R67	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
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
R72	0698-7212	9	1	RESISTOR 100 +-1% .05W TF TC=0+-100	00746	CRB20
R101	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R102	0698-6630	3	1	RESISTOR 20K +-0.1% .125W TF TC=0+-25	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
R108	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
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
R116	0698-7277	6	1	RESISTOR 51.1K +-1% .05W TF TC=0+-100	00746	CRB20
R117	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R118	0698-7245	8	1	RESISTOR 2.37K +-1% .05W TF TC=0+-100	00746	CRB20
R119	0698-7277	6	1	RESISTOR 51.1K +-1% .05W TF TC=0+-100	00746	CRB20
R120	0698-7277	6	1	RESISTOR 51.1K +-1% .05W TF TC=0+-100	00746	CRB20
R121	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R122	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R218	0698-7267	4	1	RESISTOR 19.6K +-1% .05W TF TC=0+-100	00746	CRB20
R219	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R220	0698-7228	7	1	RESISTOR 464 +-1% .05W TF TC=0+-100	00746	CRB20
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	1826-1933	3	1	D/A 12-BIT 24-PLASTIC CMOS	03285	AD7547KN
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

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Analog Interface

Reference Designation	HP Part Number	C	D	Qty	Description	Mfr Code	Mfr Part Number
U7	1826-1436	1		1	IC OP AMP PRCN DUAL 8-DIP-C PKG	10858	LT1013ACJ8
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
U12	1826-1969	5		1	IC OP AMP LOW-DRIFT DUAL 8-DIP-C PKG	03285	AD708AQ
U13	1810-0318	3		1	NETWORK-RES 6-SIP 1.0K OHM X 5	02483	750-61
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	1826-1436	1		1	IC OP AMP PRCN DUAL 8-DIP-C PKG	10858	LT1013ACJ8
U19	1826-1048	1		1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U20	1826-0915	9		1	IC OP AMP LOW-BIAS-H-IMP 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
U23	1826-1048	1		1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
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		1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U27	1826-1048	1		1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-07CZ
U29	1826-1048	1		1	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	1826-0915	9		1	IC OP AMP LOW-BIAS-H-IMP 8-DIP-C PKG	01698	TL071ACJG (PER HP DWG)
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	1820-0471	0		1	IC DRVR TTL BUS HEX	01698	SN7406N
U111	1820-3565	9		1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG OCT	02037	MC54HC374J
U201	1820-3146	2		1	IC FF CMOS/74HC D-TYPE POS-EDGE-TRIG COM	02037	MC74HC175N
U202	1820-5047	6		1	IC-INTERFACE DRVR BIPOLAR DISPLAY HIGH	04200	UDN2595A-1 (SELECTED)
U209	1858-0076	0		1	TRANSISTOR ARRAY 14-PIN PLSTC TO-116	02037	MPQ2907P
U303	1826-0610	1		1	ANALOG MULTIPLEXER 4 CHNL 16 -CERDIP	02180	MUX-24FQ
VR1	1902-3160	4		1	DIODE-ZNR 10V 2% DO-35 PD=.4W TC=+.06%	02037	
VR2	1902-0951	5		1	DIODE-ZNR 5.1V 5% DO-35 PD=.4W TC=+.035%	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	

*Indicates factory-selected value

E-08594-60001-2		APPROVED	DATE
SYM	REVISIONS		
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NOTES: UNLESS OTHERWISE SPECIFIED

- 1 DIMENSIONS ARE IN INCHES
- 2 MAXIMUM COMPONENT HEIGHT .650
- 3 MAXIMUM LEAD TRIM LENGTH .118
- 4 J6 SHOWN FOR REFERENCE ONLY. DO NOT LOAD
- 5 REMOVE TABS AFTER MACHINE SOLDER.
- 6 MP7 IS SWAGED FROM FAR SIDE, INSTALL AFTER MACHINE SOLDERING
- 7 MP5 AND MP6 INSTALLED AFTER MACHINE SOLDERING
- 8 CHECK FOR MODIFICATIONS IN THE P.C. LINE ASSEMBLY DOCUMENTATION MANUAL A-08594-A7.
- 9 ADD MP10 LABEL AT THIS LOCATION.

SEE 08594-60001 MATERIAL LIST

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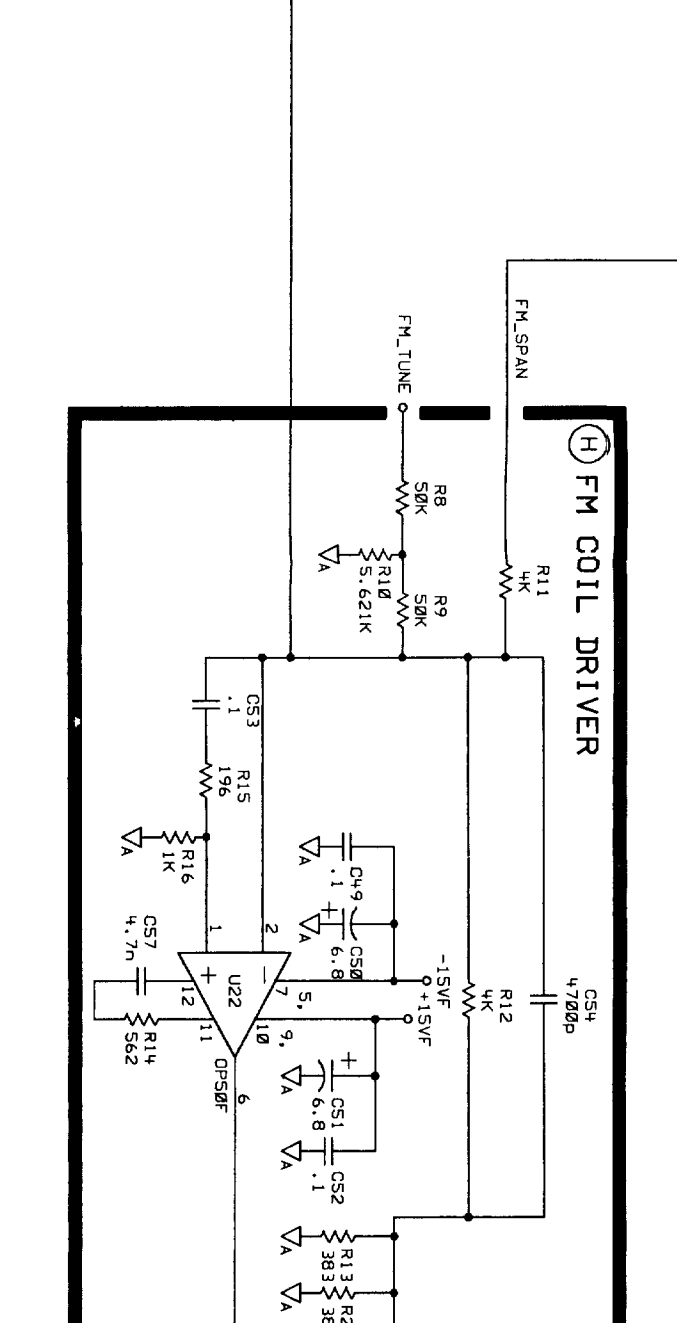
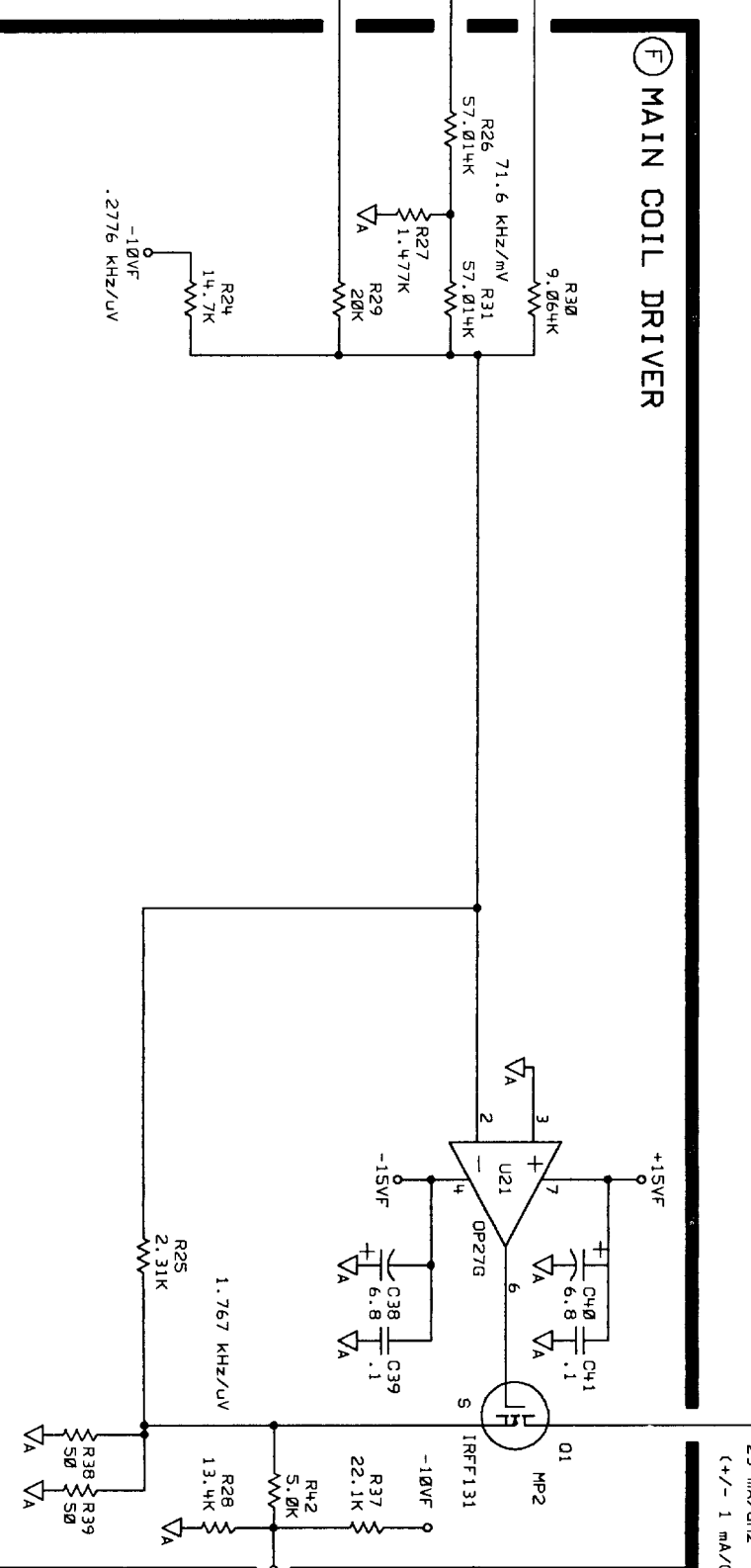
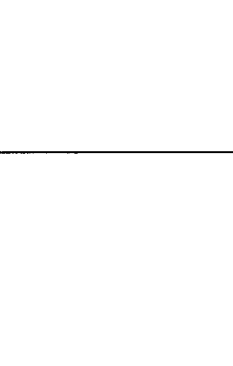
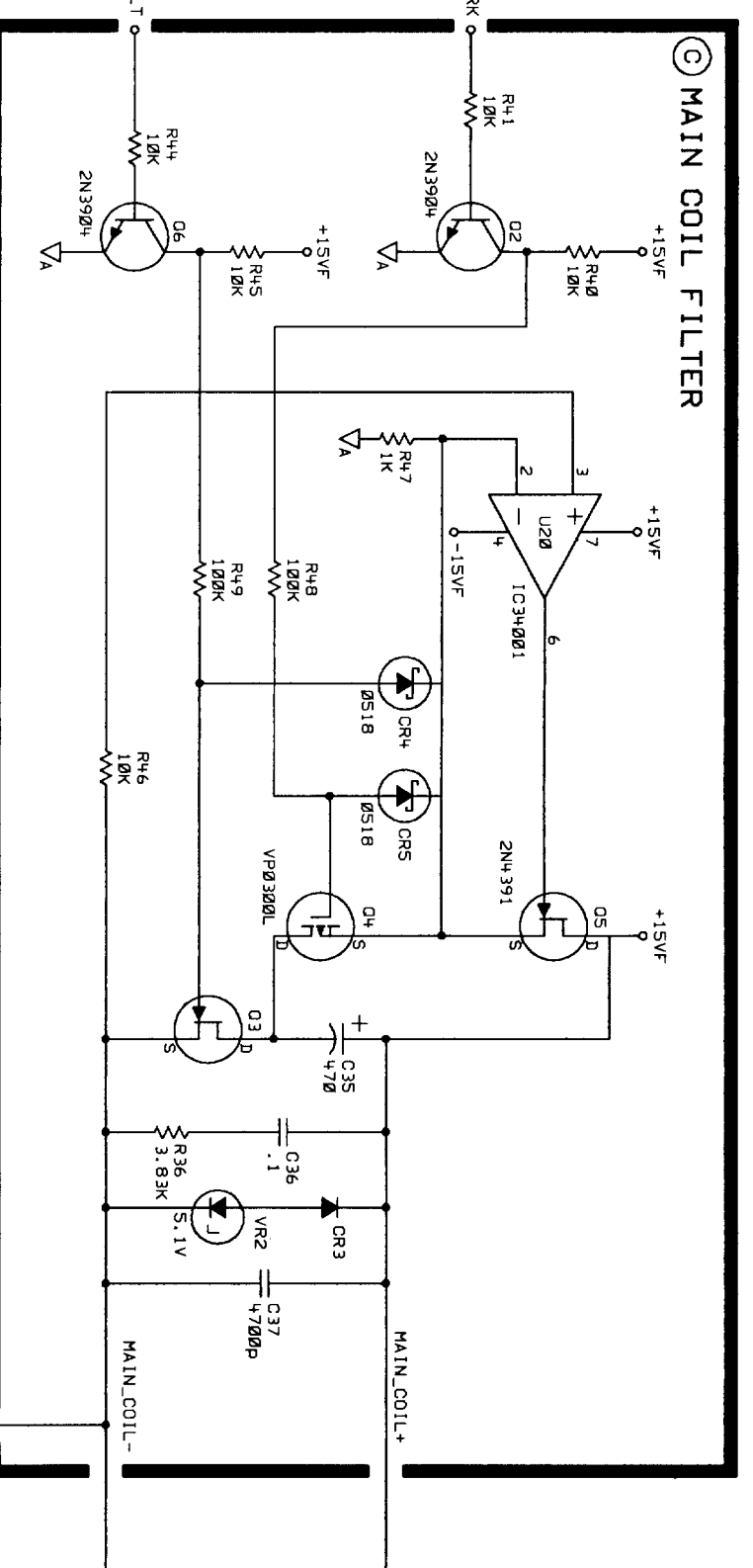
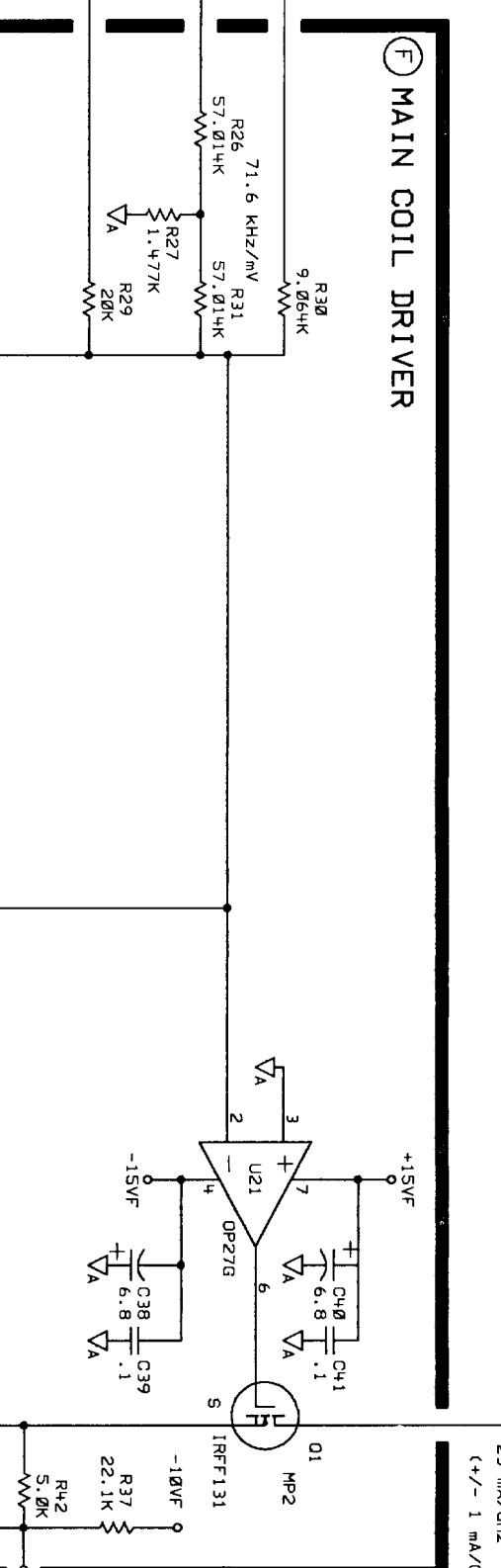
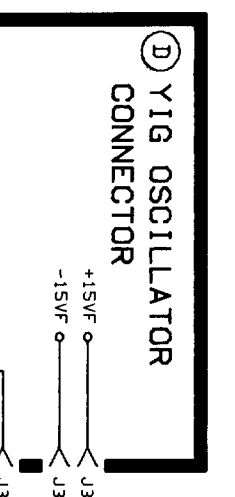
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	DESIGNED BY JANISZA-CHESTER	DATE	BOARD ASSEMBLY- ANALOG INTERFACE	 HEWLETT PACKARD PART NUMBER 08594-60001 FILE NUMBER E-08594-60001-2
TELEPHONE 353-4641	APPROVED BY		TITLE NONE	
SEE COMP. SFL. 600	RELEASED TO FIELD		QUANTITY 1	
	APPROVED DATE		OF 1	

SYM	REVISIONS
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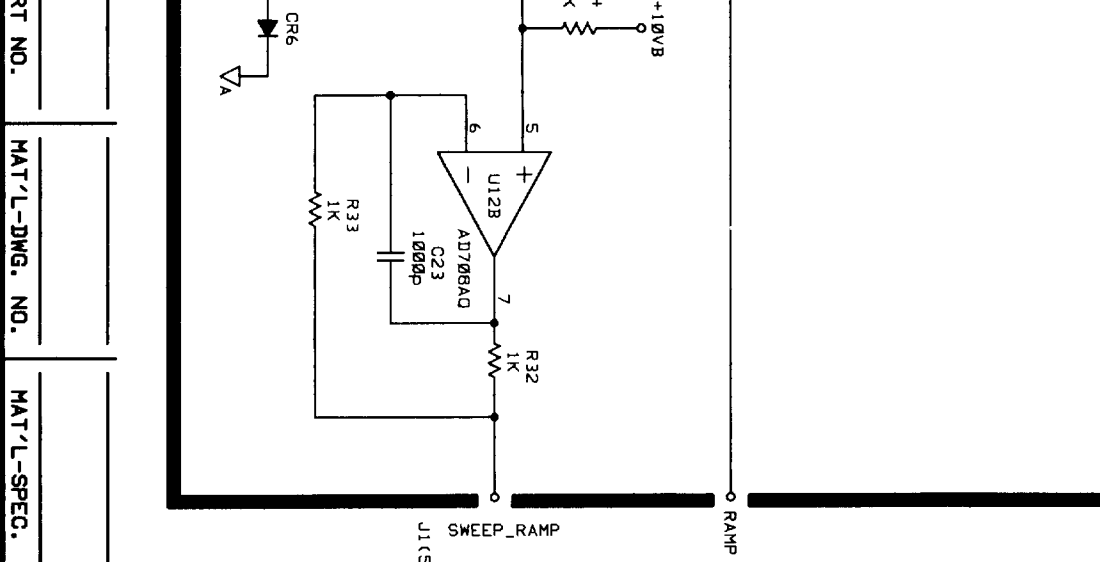
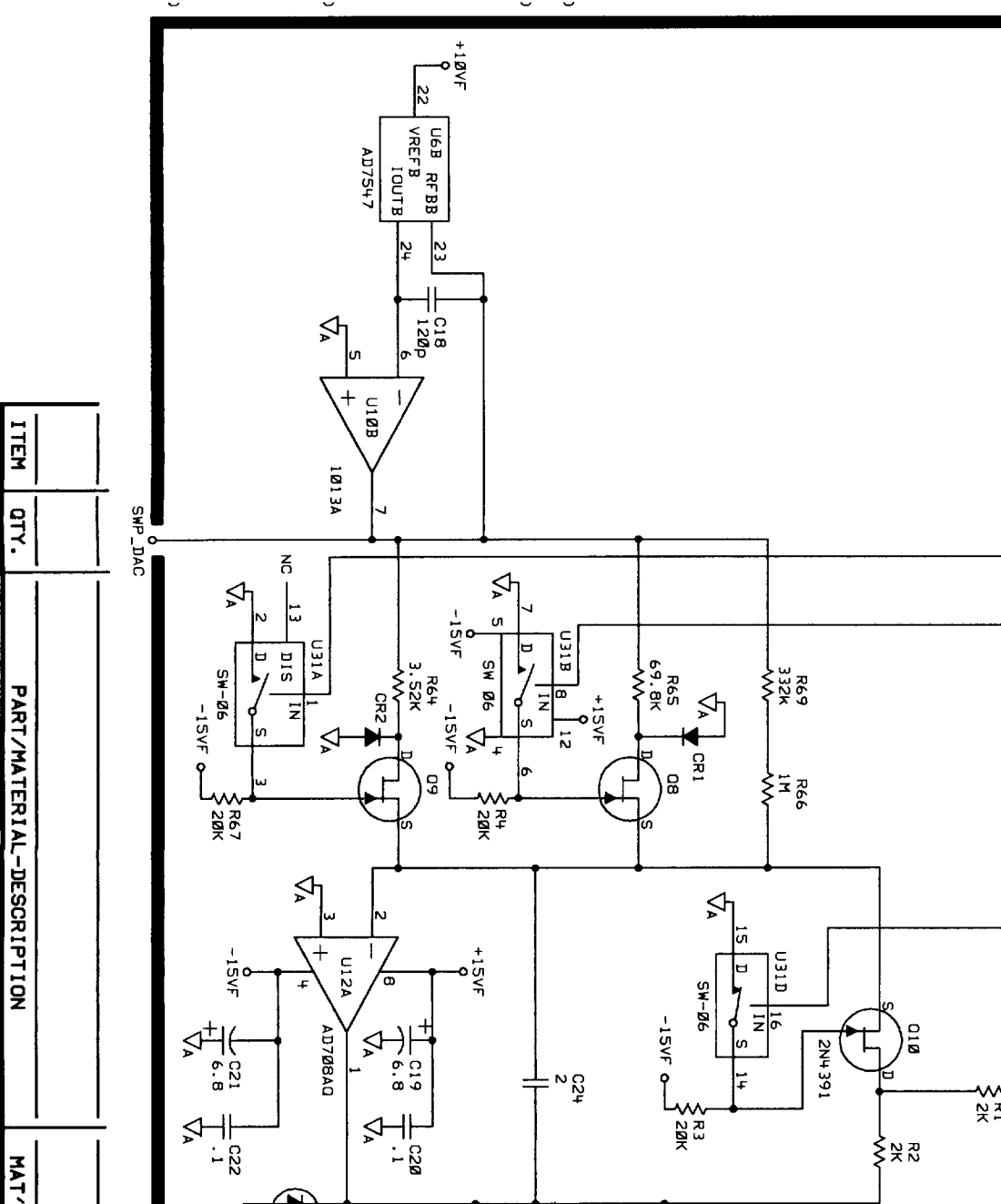
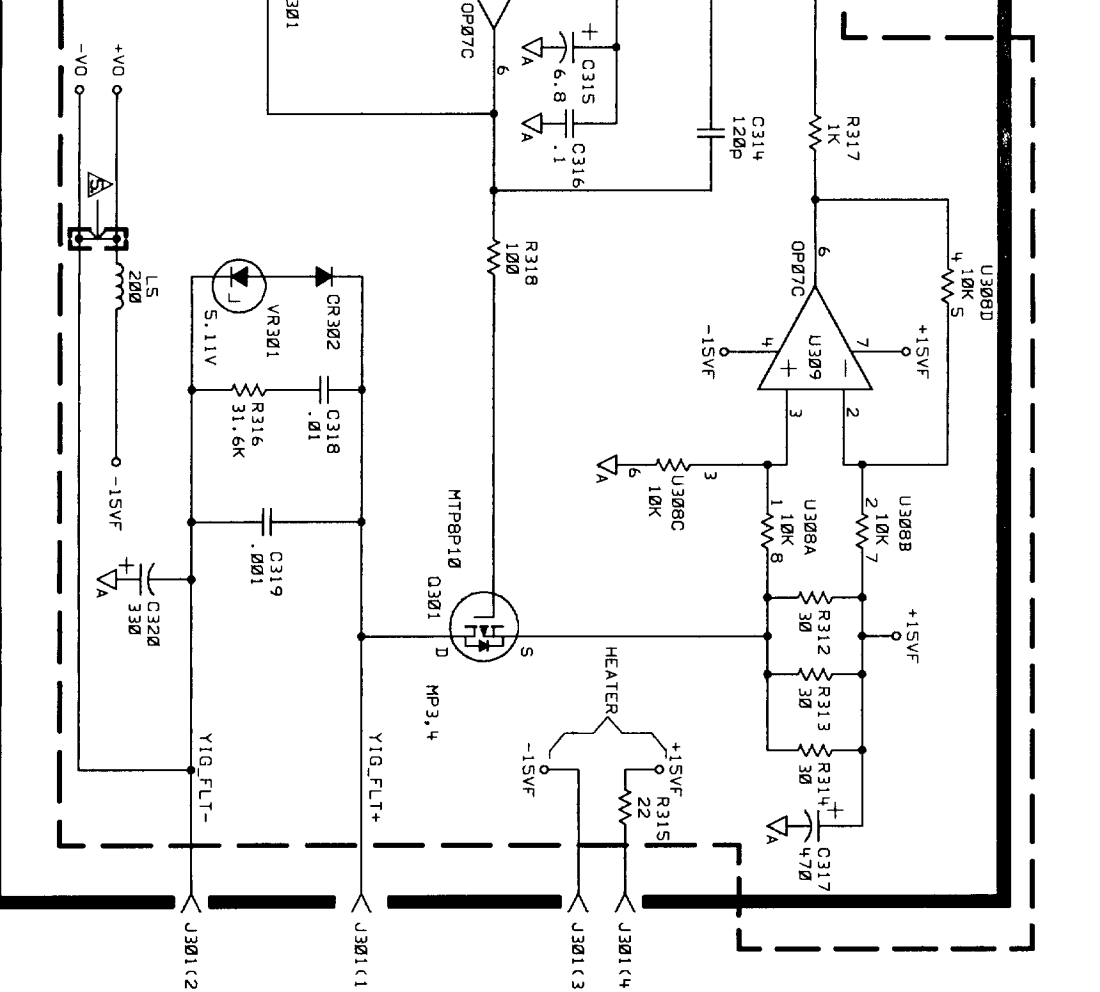
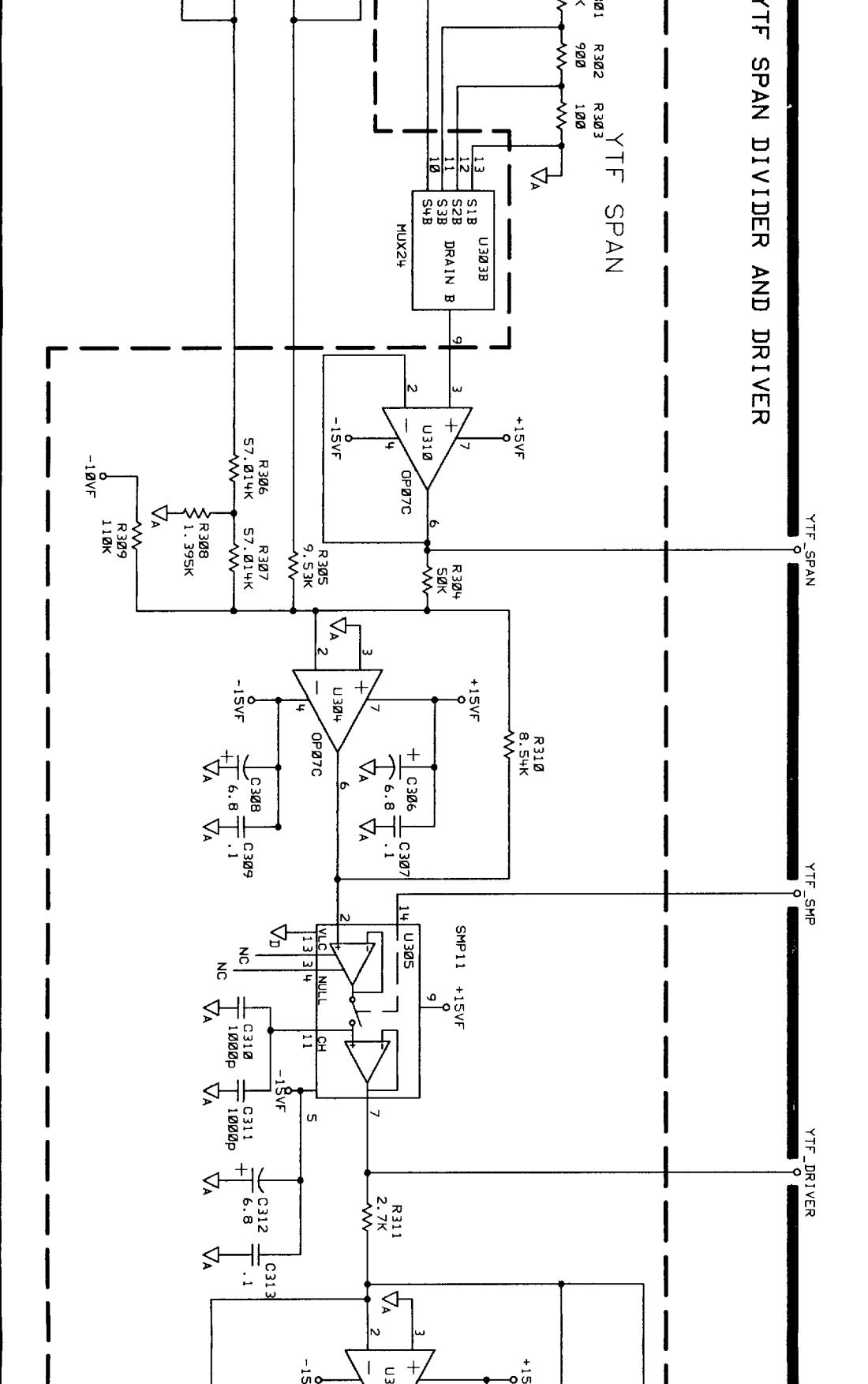
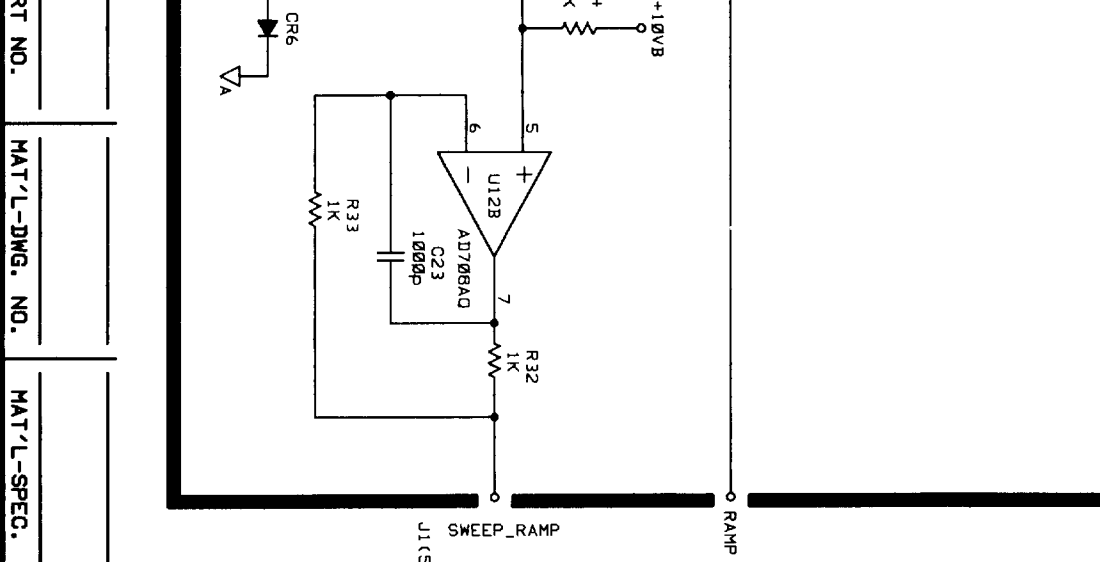
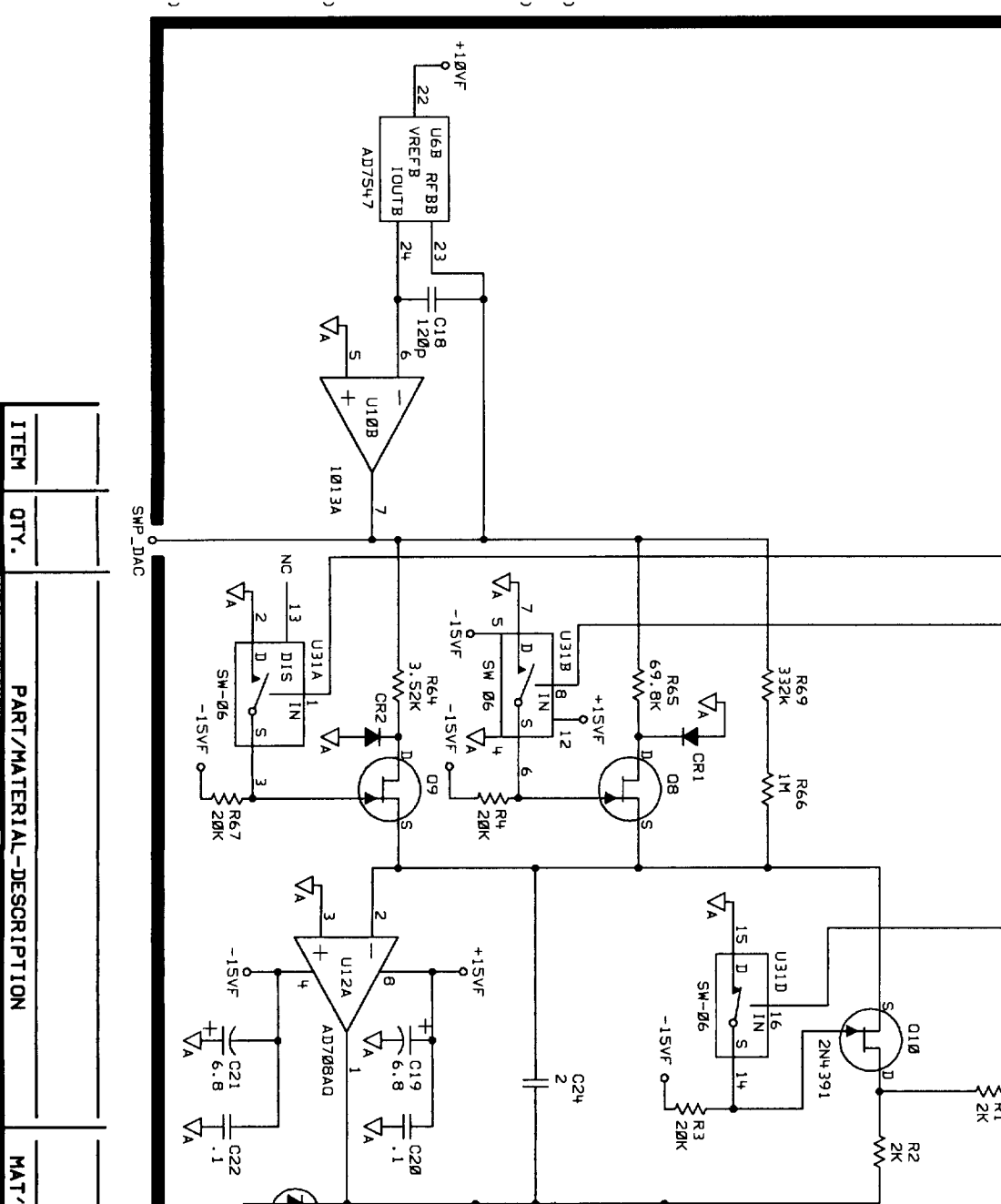
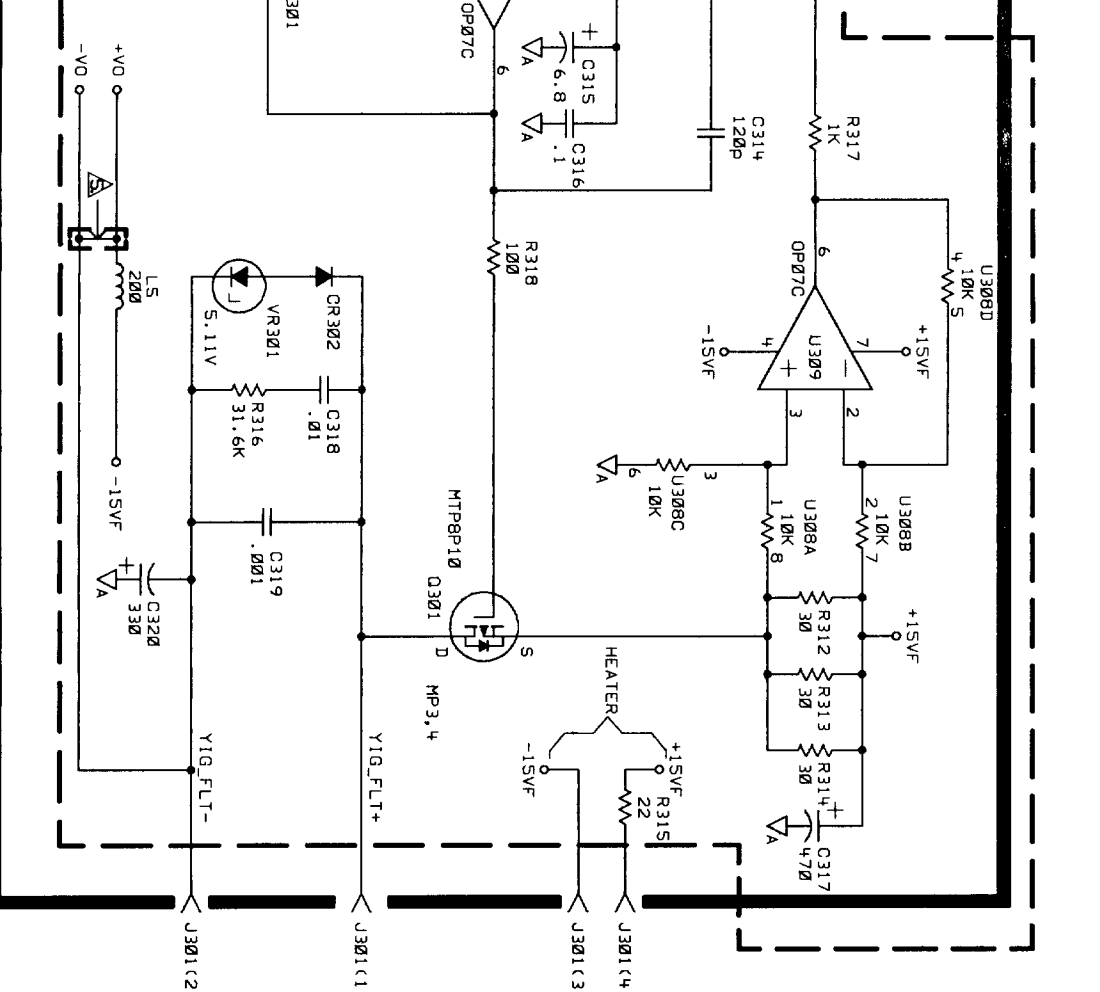
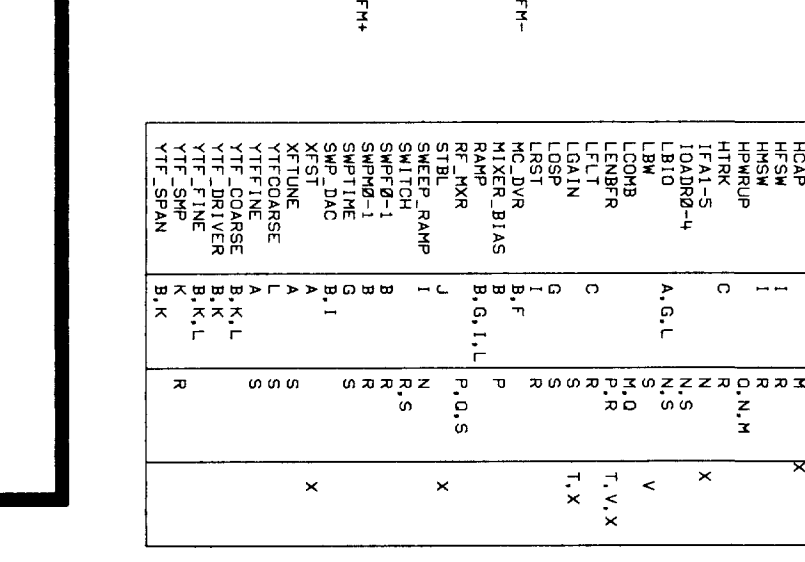
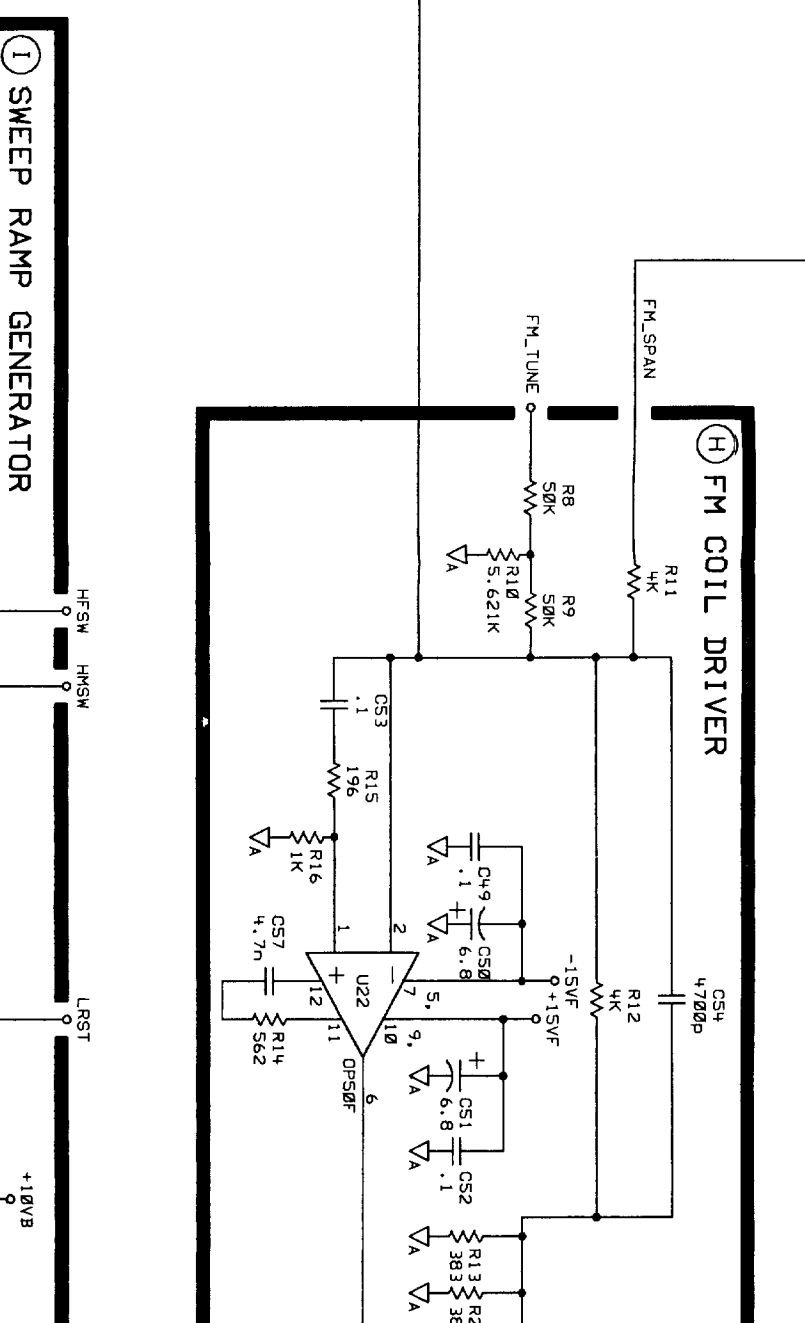
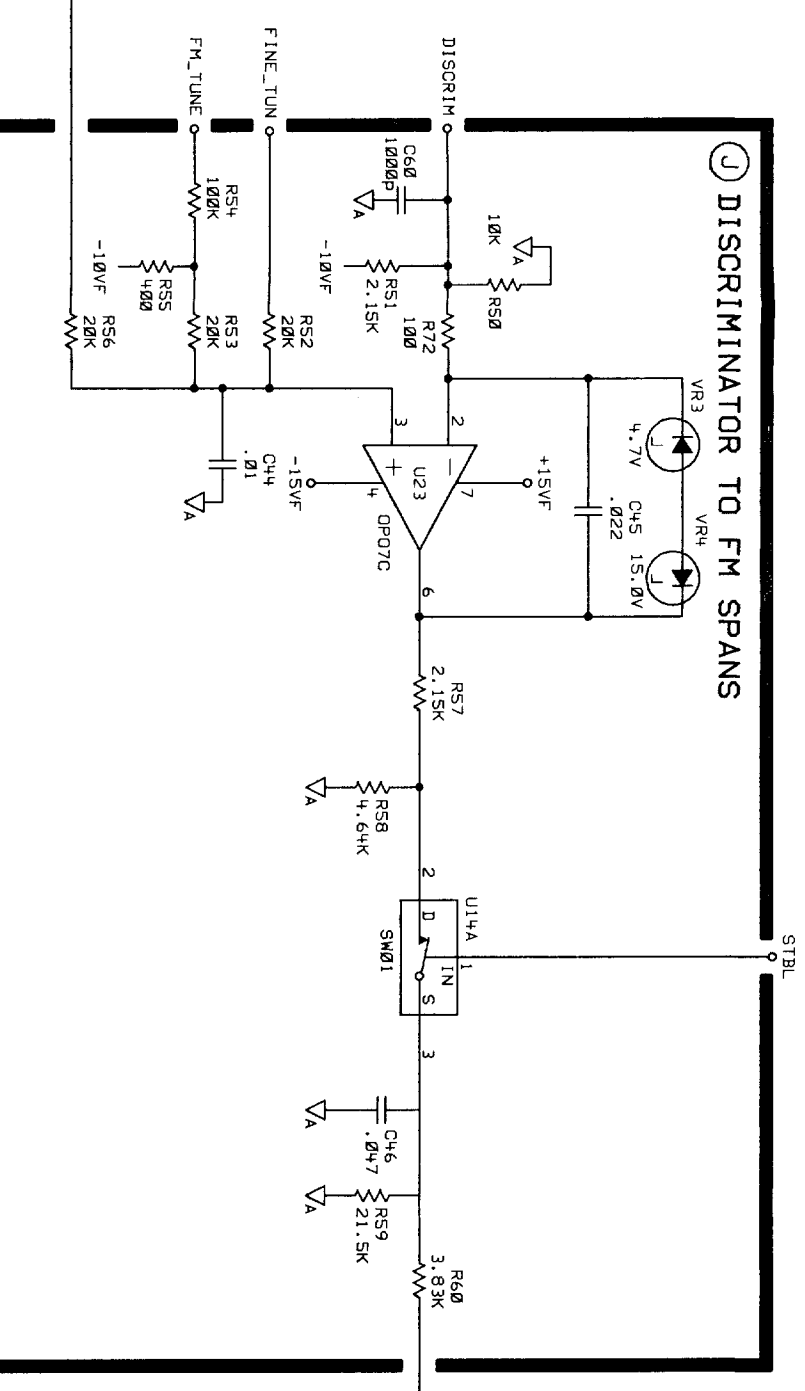
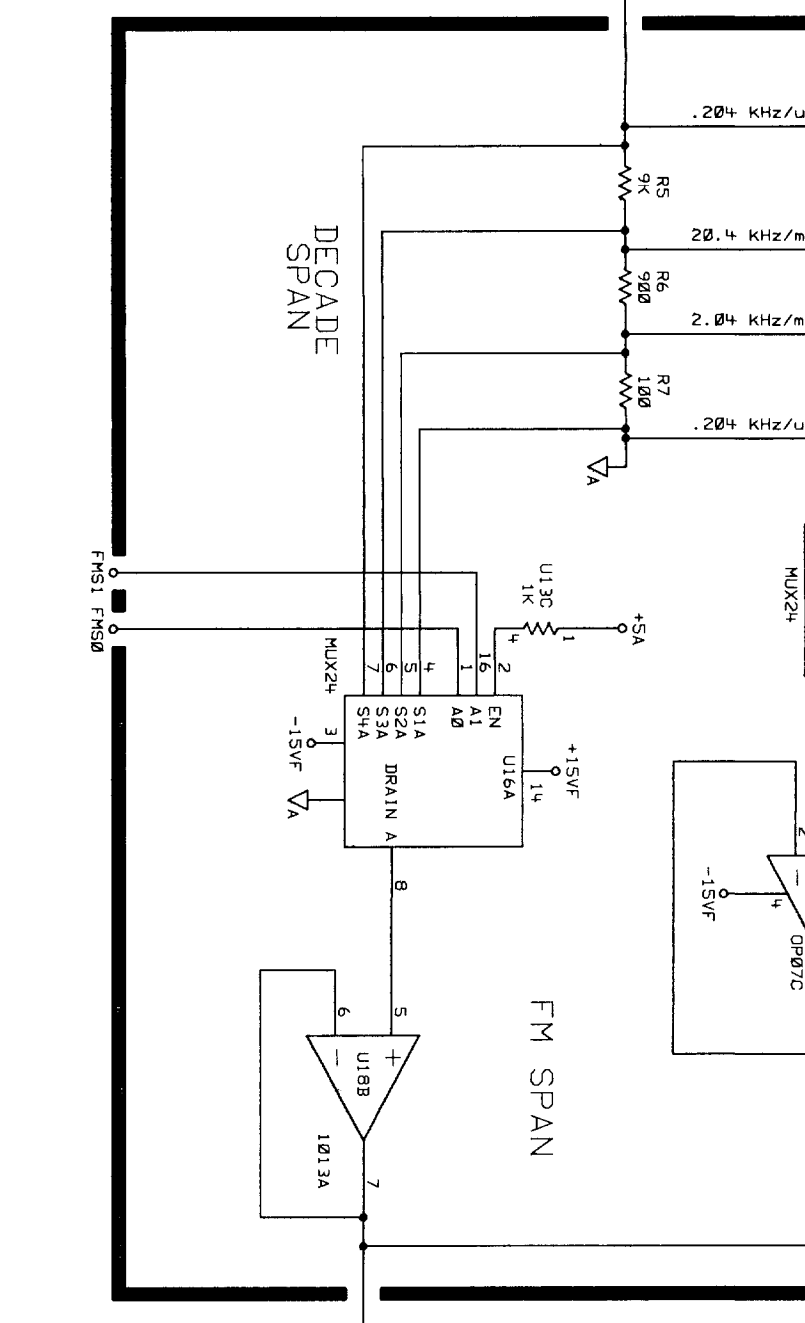
NOTES:

- USE RESISTORS WITHIN THE ASSEMBLY ARE ABSENT WITH ASSEMBLY DESIGNATOR, COMPLETE AND SOURCE.
- TUNING OF THE INDICATED CAPACITANCE IN MICROFARADS (UF) INDICATED IN PARENTHESES (U).
- INDUCTIVE TABLE

- ▲ COMPONENTS ARE REMOVED FOR
- ▲ COMPONENTS ARE ASSEMBLY
- ▲ COMPONENTS ARE REMOVED FOR
- ▲ COMPONENTS ARE ASSEMBLY
- ▲ COMPONENTS ARE REMOVED FOR
- ▲ COMPONENTS ARE ASSEMBLY



MEMORIC	1	2	3
YIG OSC	U	U	T
YIG CONN	U	U	V
SPAN DIV	U	U	W
SPAN DAC	U	U	X
DISCR TO FM	U	U	Y
FM COIL DR	U	U	Z
COIL DR	U	U	AA
COIL FILT	U	U	AB
COIL	U	U	AC
SWEEP RAMP	U	U	AD
SPAN DIV DR	U	U	AE
SPAN DAC DR	U	U	AF
DISCR TO FM DR	U	U	AG
FM COIL DR DR	U	U	AH
COIL DR DR	U	U	AI
COIL FILT DR	U	U	AJ
COIL DR	U	U	AK
SWEEP RAMP DR	U	U	AL
SPAN DIV DR DR	U	U	AM
SPAN DAC DR DR	U	U	AN
DISCR TO FM DR DR	U	U	AO
FM COIL DR DR DR	U	U	AP
COIL DR DR DR	U	U	AQ
COIL FILT DR DR	U	U	AR



THIS DRAWING ALSO USED FOR THE FOLLOWING ASSEMBLIES:

08594-60001	08594-60001	SEE NOTES
08595-60001	08595-60001	SEE NOTES

PART NO. MATERIAL LIST REMARKS

TABLE I

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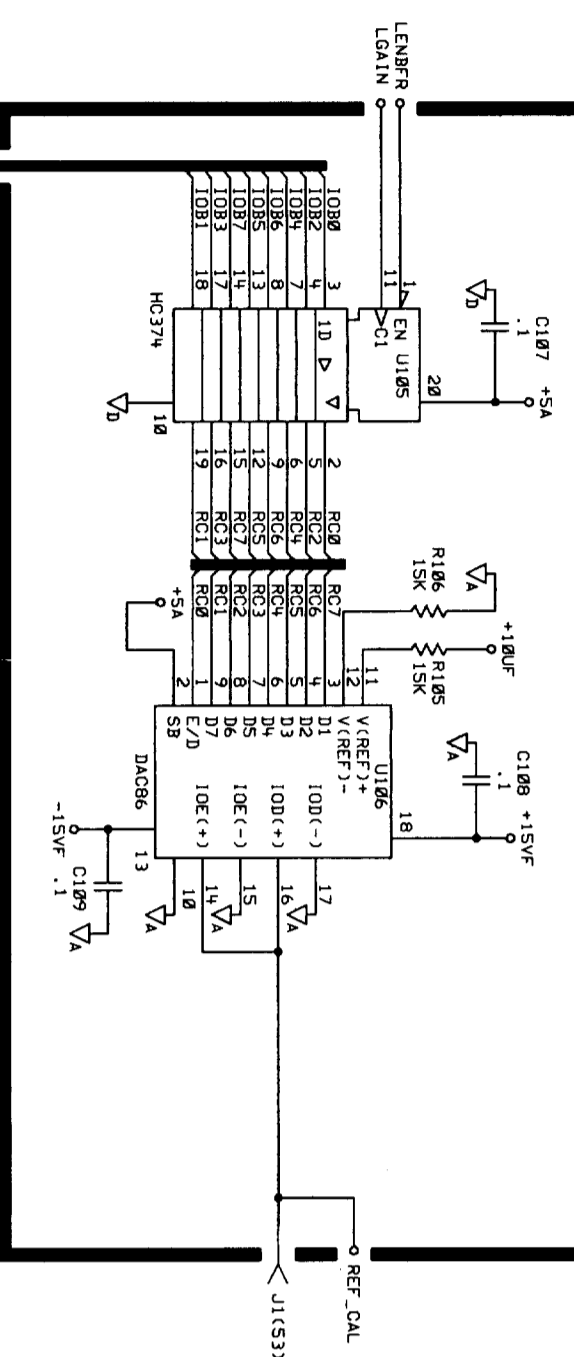
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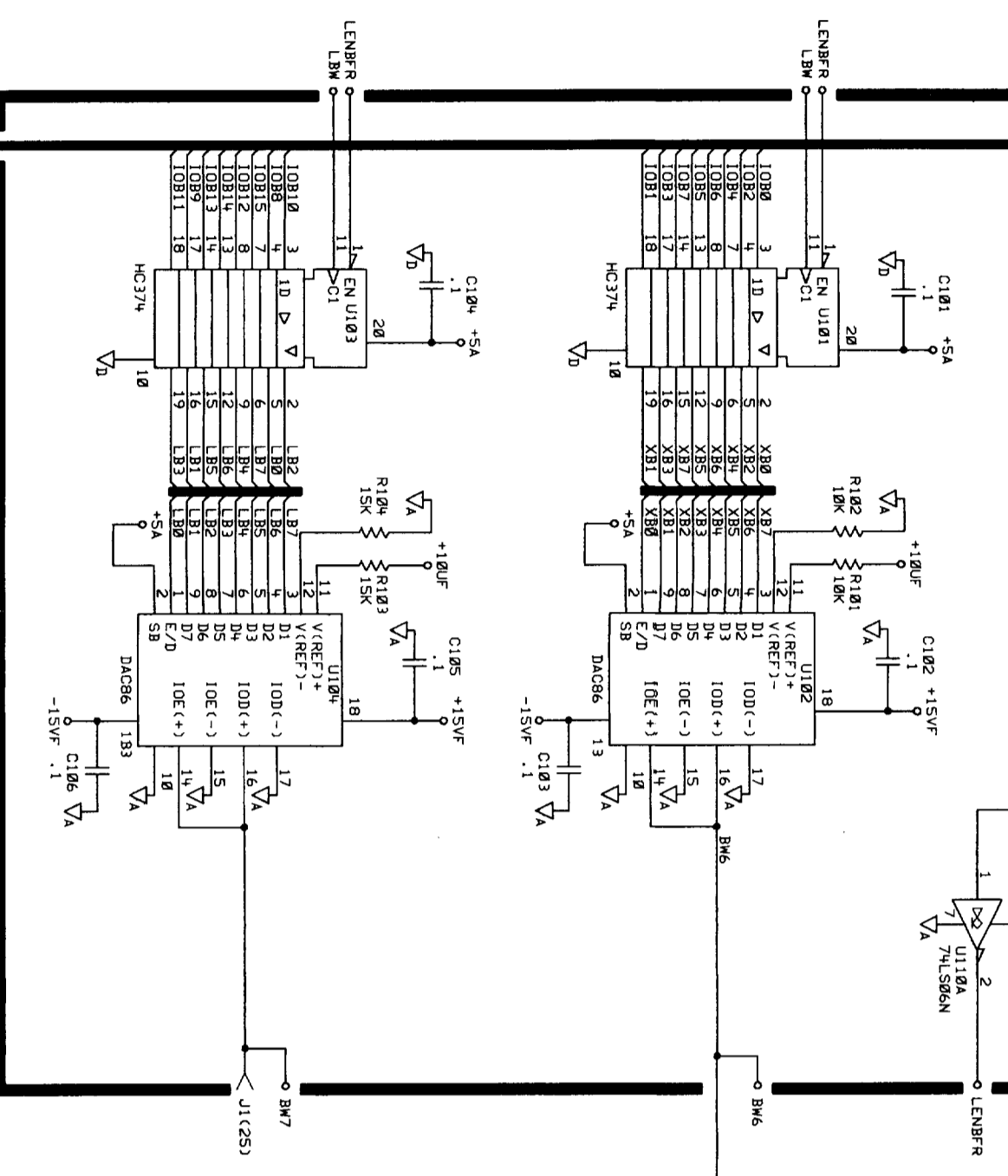
ITEM	QTY.	PART/MATERIAL-DESCRIPTION	MAT'L-PART NO.	MAT'L-ENG. NO.	MAT'L-SEPC.
		BOARD ASSEMBLY-ANALOG INTERFACE (SCHEMATIC)			
		RELEASE TO PROD.			
		SEE TABLE			
		PART NUMBER			
		SCALE			
		SHEET 1 OF 3			
		D-08594-60001-1			

REV	REVISIONS	APPROVED	DATE
A			

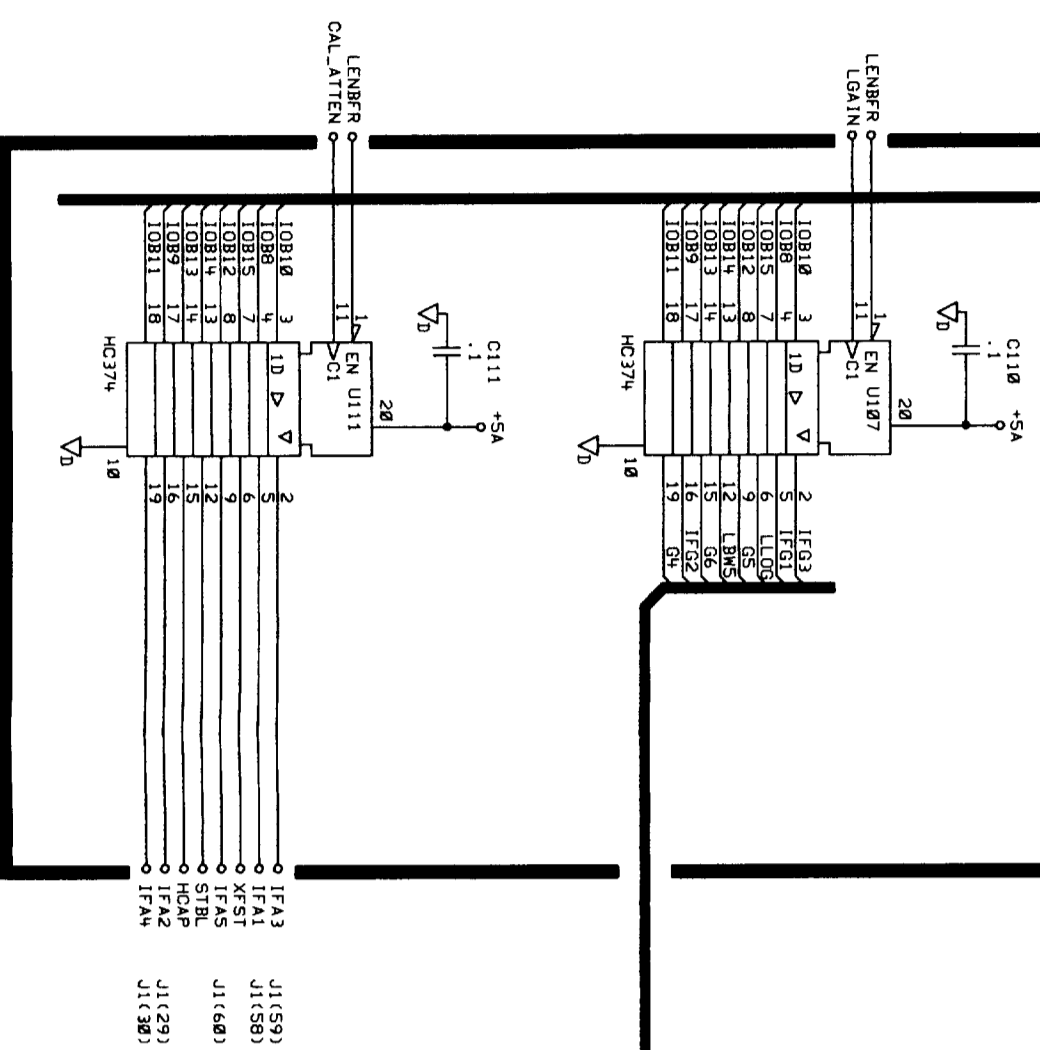
① THIRD CONVERTER REF_CAL



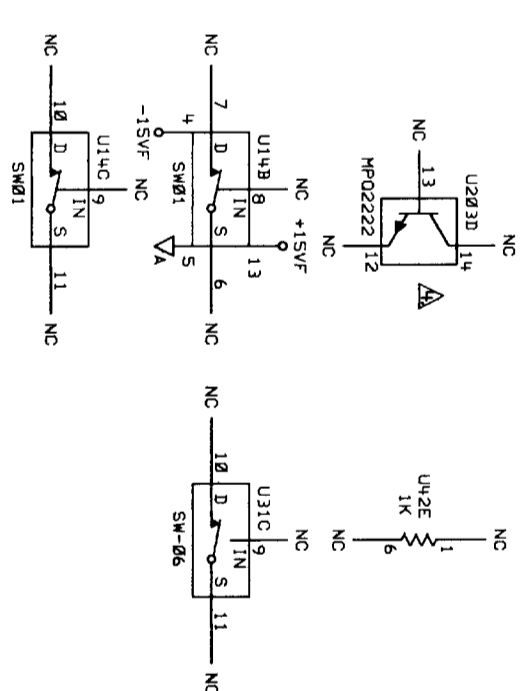
② BANDWIDTH CONTROL DACS



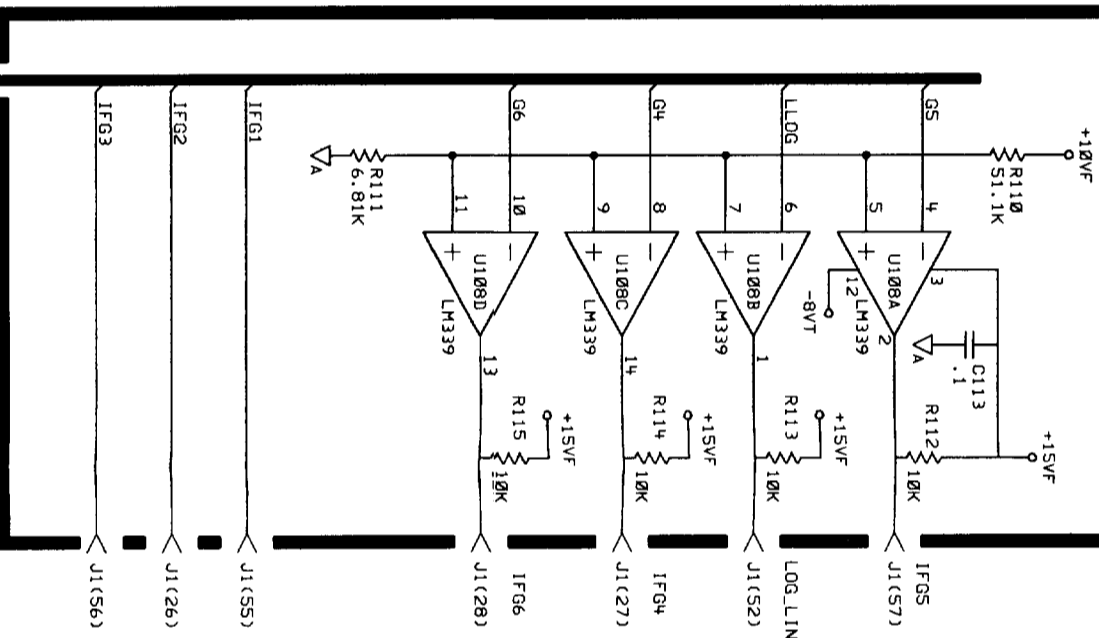
③ AMPLITUDE GAIN CONTROL



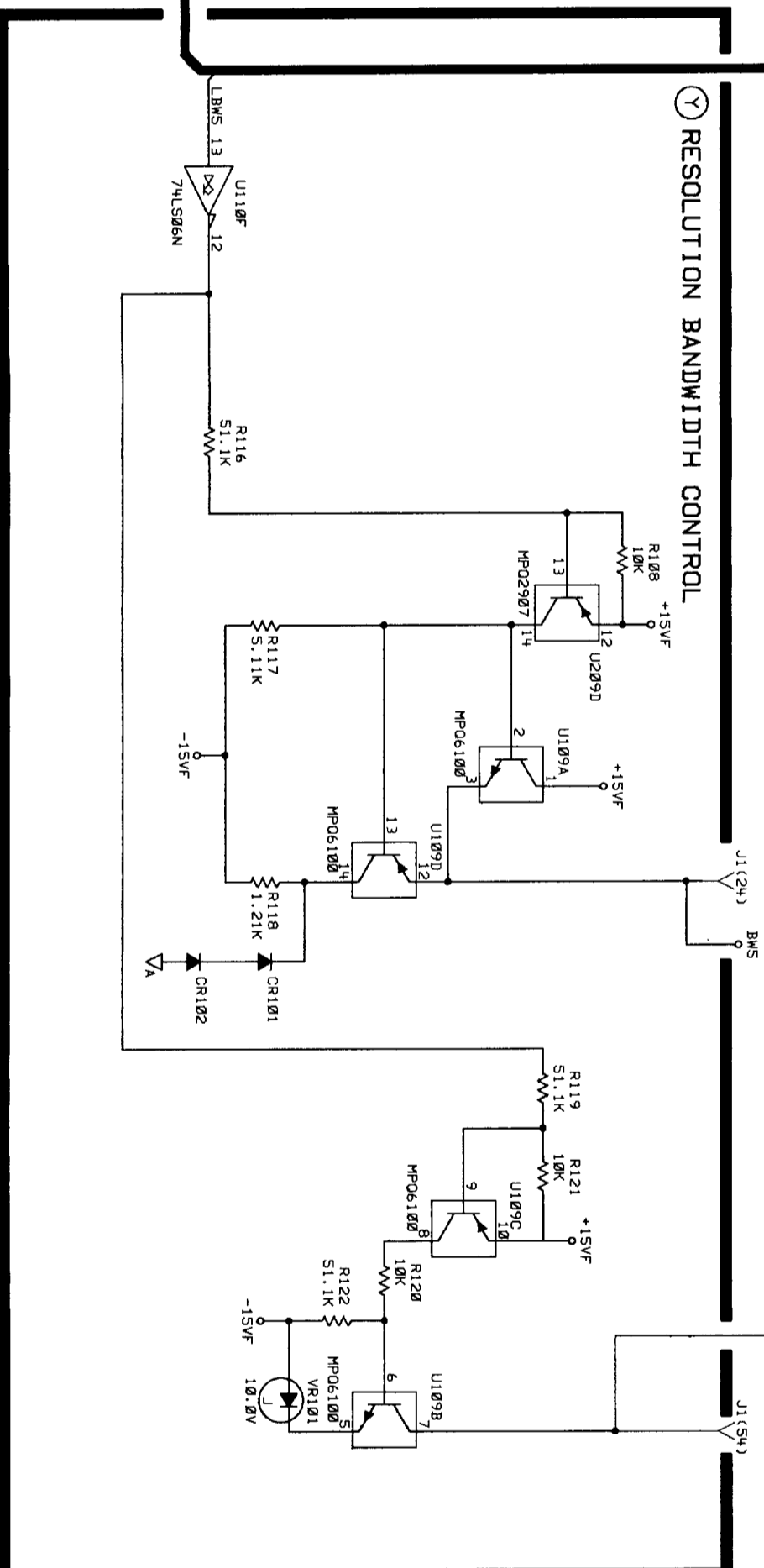
UNUSED PACKAGES



④ LOG AMPLIFIER CONTROL



⑤ RESOLUTION BANDWIDTH CONTROL



NOTES:

- PREFERRED DESIGNATORS WITHIN THIS ASSEMBLY ARE ABREVIATED NEXT TO SPECIFICATION WITH ASSEMBLY DESIGNATION.
- UNLESS OTHERWISE INDICATED CAPACITANCE IN MICROFARADS (UF) INDICATED IN MICROSECONDS (US)
- INDICATED TABLE

- ▲ COMPONENTS ARE REMOVED FOR 88594-60001 ASSEMBLY.
- ▲ COMPONENTS ARE REMOVED FOR 88594-60001 ASSEMBLY.
- ▲ COMPONENTS ARE REMOVED FOR 88594-60001 ASSEMBLY.
- ▲ COMPONENTS ARE REMOVED FOR 88594-60001 ASSEMBLY.

MECHANIC	SHEET		
	1	2	3
U188	U	U	U
U187	A	B	C
U186	A	B	C
U185	A	B	C
U184	A	B	C
U183	A	B	C
U182	A	B	C
U181	A	B	C
U180	A	B	C
U179	A	B	C
U178	A	B	C
U177	A	B	C
U176	A	B	C
U175	A	B	C
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U1	A	B	C

ITEM	QTY.	PART/MATERIAL-DESCRIPTION	MAT'L-PART NO.	MAT'L-DWG. NO.	MAT'L-SPEC.
THIS DRAWING ALSO USED FOR THE FOLLOWING ASSEMBLIES:					
08594-60001		08594-60001			SEE NOTES
08595-60001		08595-60001			SEE NOTES
PART NO. MATERIAL LIST					

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ITEM	QTY.	PART/MATERIAL-DESCRIPTION	MAT'L-PART NO.	MAT'L-DWG. NO.	MAT'L-SPEC.
DRAWN BY: DATE: BOARD ASSEMBLY-ANALOG INTERFACE (SCHEMATIC)					
ENGINEER/CHECKER: RELEASE TO PROD.: PART NUMBER: SEE TABLE					
SCALE: SHEET 3 OF 3					