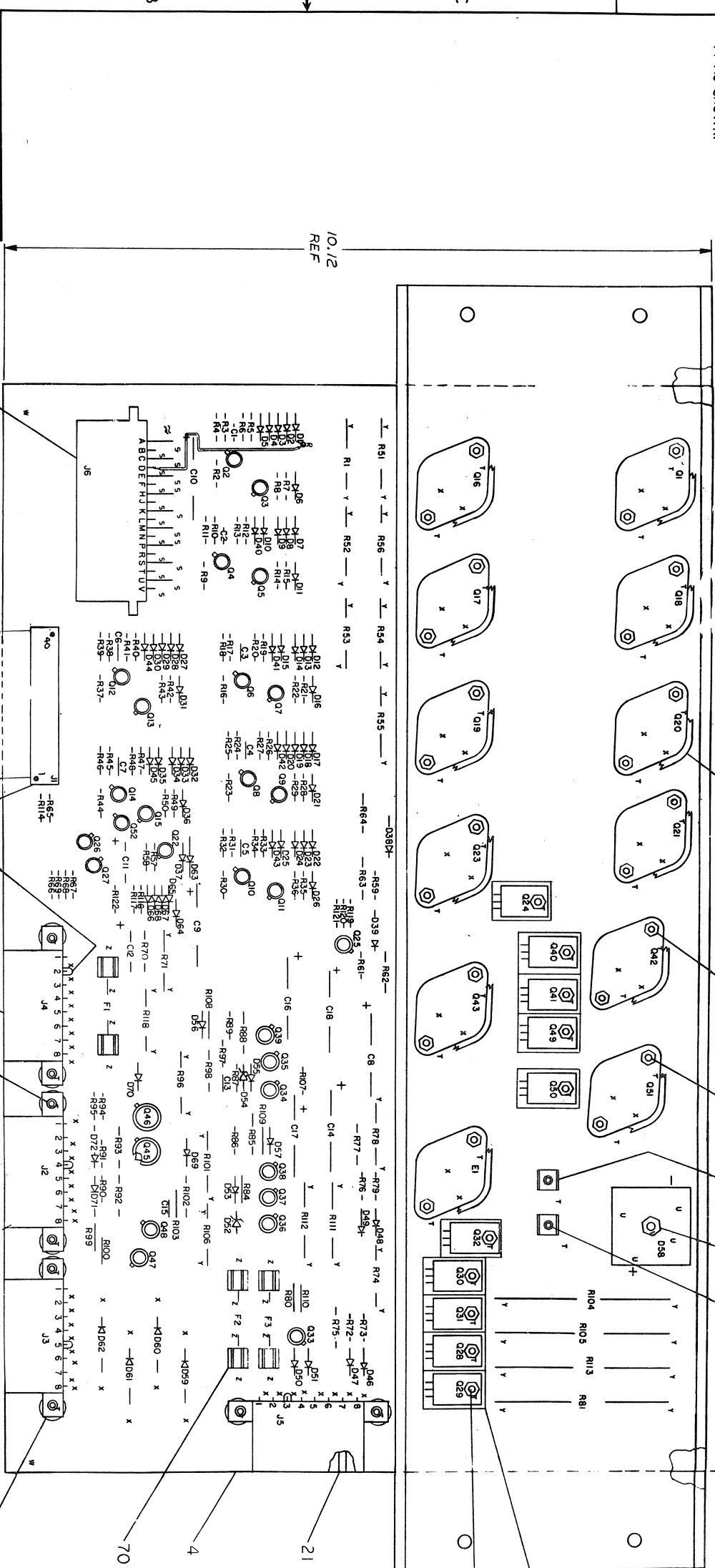


- NOTES:
- 1. CONNECTORS:
 - U1 - J1 LOGIC
 - U2 - FILTER CAPS
 - U3 - LINE VOLTAGE
 - U4 - ENCODER & CARRIAGE MOTOR
 - U5 - LINE FEED MOTOR
 - U6 - FEED CABLE
 - 2. COMPOUND (ITEM 85) TO BE USED ON BOTH SIDES OF ALL INSULATORS (ITEMS 83 & 84) AND D58.
 - 3. "THIS SIDE UP" STICKER TO BE INSTALLED ON CABLE CONNECTOR P1 AS SHOWN.



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	LA 36	POWER BOARD	5410805-0-1	F

DATE	BY	CHK	REV	DESCRIPTION
11/13/74	P. HELLER		1	LA 36
11/13/74	P. HELLER		2	LA 36
11/13/74	P. HELLER		3	LA 36
11/13/74	P. HELLER		4	LA 36
11/13/74	P. HELLER		5	LA 36
11/13/74	P. HELLER		6	LA 36
11/13/74	P. HELLER		7	LA 36
11/13/74	P. HELLER		8	LA 36
11/13/74	P. HELLER		9	LA 36
11/13/74	P. HELLER		10	LA 36
11/13/74	P. HELLER		11	LA 36
11/13/74	P. HELLER		12	LA 36
11/13/74	P. HELLER		13	LA 36
11/13/74	P. HELLER		14	LA 36
11/13/74	P. HELLER		15	LA 36
11/13/74	P. HELLER		16	LA 36
11/13/74	P. HELLER		17	LA 36
11/13/74	P. HELLER		18	LA 36
11/13/74	P. HELLER		19	LA 36
11/13/74	P. HELLER		20	LA 36
11/13/74	P. HELLER		21	LA 36
11/13/74	P. HELLER		22	LA 36
11/13/74	P. HELLER		23	LA 36
11/13/74	P. HELLER		24	LA 36
11/13/74	P. HELLER		25	LA 36
11/13/74	P. HELLER		26	LA 36
11/13/74	P. HELLER		27	LA 36
11/13/74	P. HELLER		28	LA 36
11/13/74	P. HELLER		29	LA 36
11/13/74	P. HELLER		30	LA 36
11/13/74	P. HELLER		31	LA 36
11/13/74	P. HELLER		32	LA 36
11/13/74	P. HELLER		33	LA 36
11/13/74	P. HELLER		34	LA 36
11/13/74	P. HELLER		35	LA 36
11/13/74	P. HELLER		36	LA 36
11/13/74	P. HELLER		37	LA 36
11/13/74	P. HELLER		38	LA 36
11/13/74	P. HELLER		39	LA 36
11/13/74	P. HELLER		40	LA 36
11/13/74	P. HELLER		41	LA 36
11/13/74	P. HELLER		42	LA 36
11/13/74	P. HELLER		43	LA 36
11/13/74	P. HELLER		44	LA 36
11/13/74	P. HELLER		45	LA 36
11/13/74	P. HELLER		46	LA 36
11/13/74	P. HELLER		47	LA 36
11/13/74	P. HELLER		48	LA 36
11/13/74	P. HELLER		49	LA 36
11/13/74	P. HELLER		50	LA 36
11/13/74	P. HELLER		51	LA 36
11/13/74	P. HELLER		52	LA 36
11/13/74	P. HELLER		53	LA 36
11/13/74	P. HELLER		54	LA 36
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11/13/74	P. HELLER		56	LA 36
11/13/74	P. HELLER		57	LA 36
11/13/74	P. HELLER		58	LA 36
11/13/74	P. HELLER		59	LA 36
11/13/74	P. HELLER		60	LA 36
11/13/74	P. HELLER		61	LA 36
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11/13/74	P. HELLER		63	LA 36
11/13/74	P. HELLER		64	LA 36
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11/13/74	P. HELLER		67	LA 36
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11/13/74	P. HELLER		72	LA 36
11/13/74	P. HELLER		73	LA 36
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11/13/74	P. HELLER		76	LA 36
11/13/74	P. HELLER		77	LA 36
11/13/74	P. HELLER		78	LA 36
11/13/74	P. HELLER		79	LA 36
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11/13/74	P. HELLER		81	LA 36
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11/13/74	P. HELLER		90	LA 36
11/13/74	P. HELLER		91	LA 36
11/13/74	P. HELLER		92	LA 36
11/13/74	P. HELLER		93	LA 36
11/13/74	P. HELLER		94	LA 36
11/13/74	P. HELLER		95	LA 36
11/13/74	P. HELLER		96	LA 36
11/13/74	P. HELLER		97	LA 36
11/13/74	P. HELLER		98	LA 36
11/13/74	P. HELLER		99	LA 36
11/13/74	P. HELLER		100	LA 36

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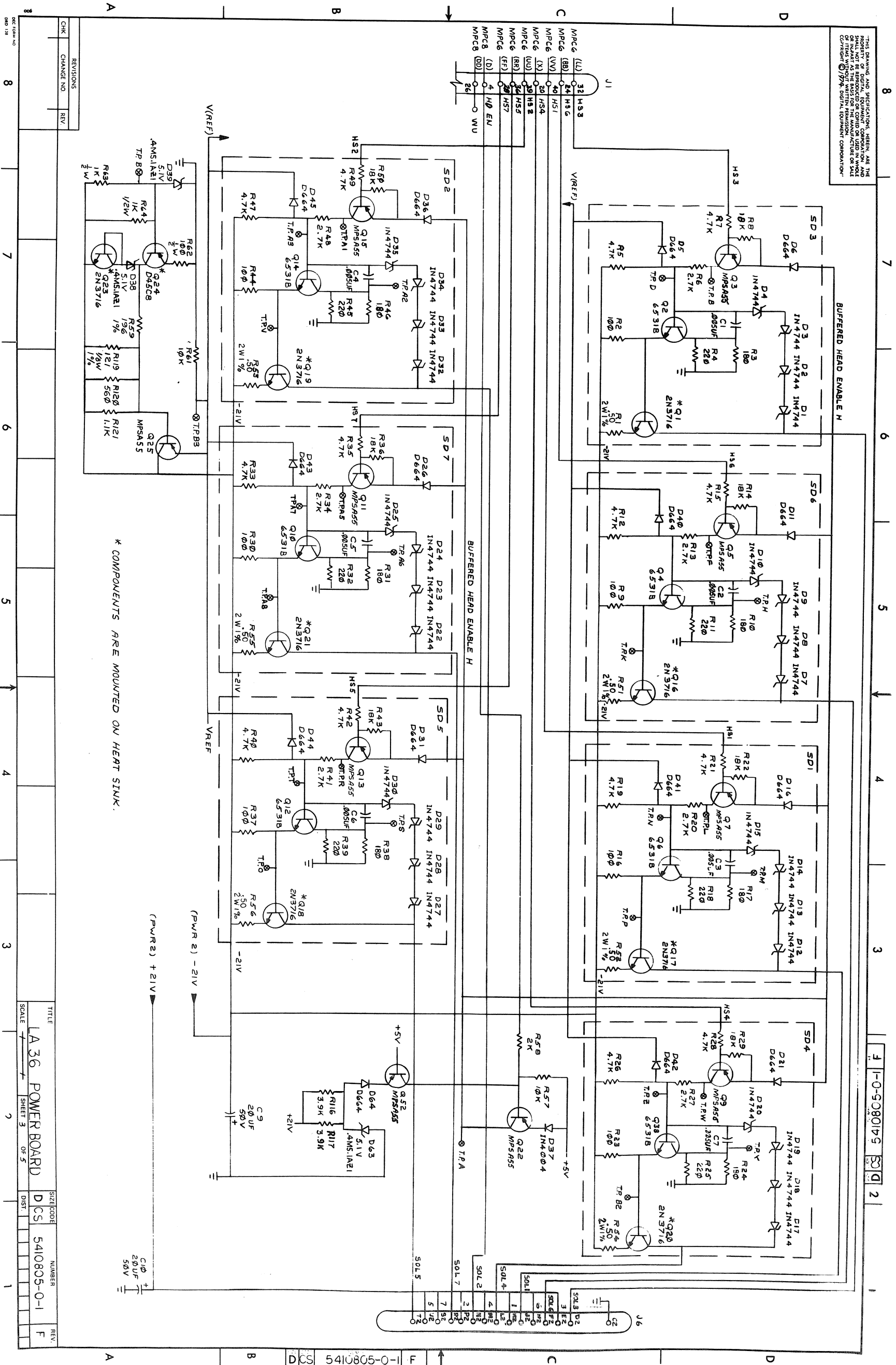
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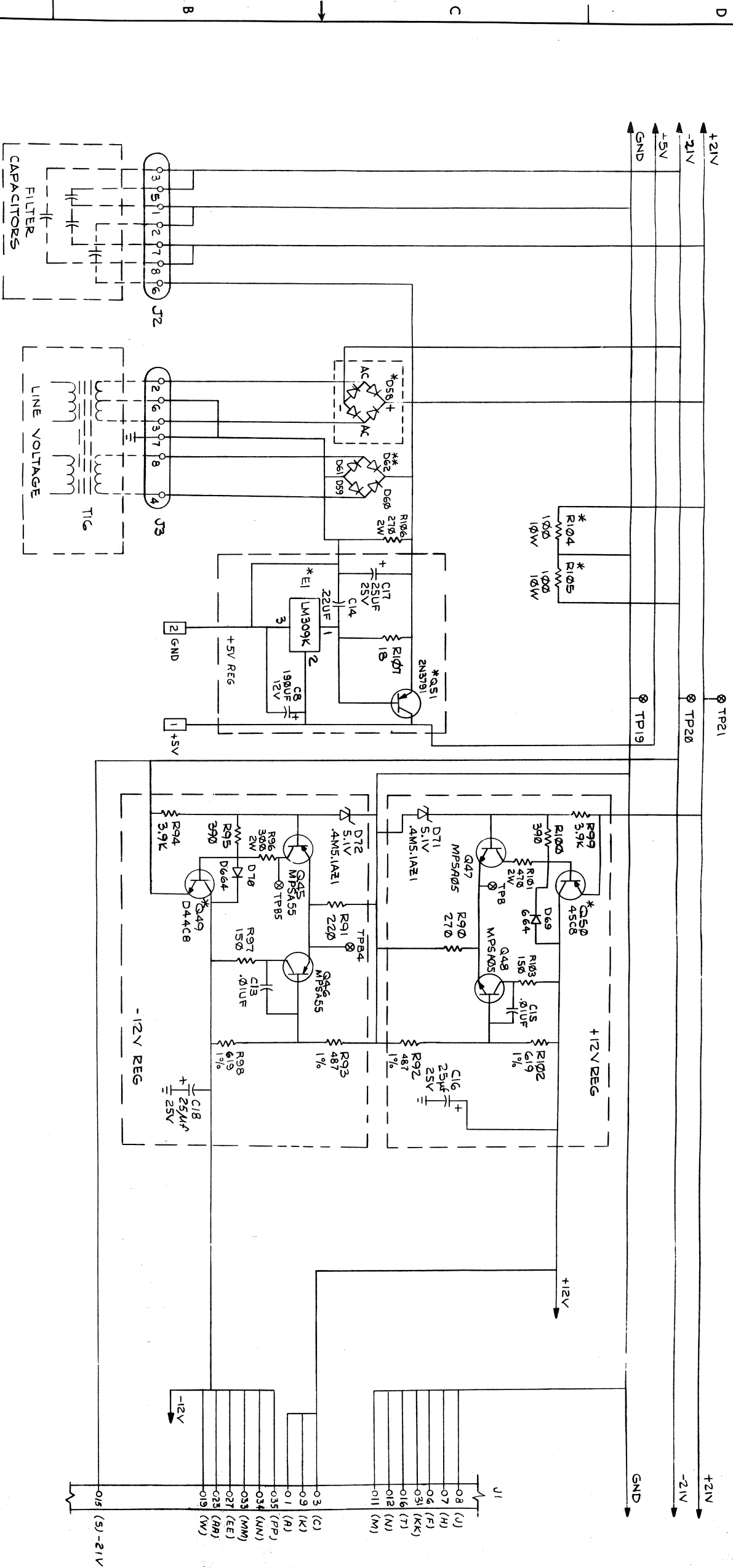
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QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF		X-Y COORDINATE HOLE LOCATION	K-00-5410805-0-4	1
REF		ASSY/DRILLING HOLE LAYOUT	E-WH-5410805-0-5	2
REF		MODULE ECO HISTORY	B-WH-5410805-0-6	3
1		ETCHED CIRCUIT BOARD	5010806	4
3	C16, C17, C18	CAP 25UF 25V 10% AL EL	1000075	5
7	C1 THRU C7	CAP .005UF 100V 20% DISC	1001610-01	6
2	C13, C15	CAP .01UF 100V 20% DISC	1000037	7
1	C14	CAP .22UF 100V 10% MYLAR	1009433	8
1	C8	CAP 180UF 12V 20% AL EL	1002839	9
2	C9, C10	CAP 20UF 50V 10% AL EL	1009725	10
2	C11, C12	CAP 1.5UF 35V 10% TANT	1100114	11
25	D5, D6, D11, D16, D21, D26, D31, D36, D40 THRU D45, D53, D55, D57, D64 THRU D70, D75	DIODE D664	1105648	12
28	D1 THRU D4, D7 THRU D10, D12 THRU D15, D17 THRU D20, D22 THRU D25, D27 THRU D30, D32 THRU D35	DIODE 1N4744	1105648	13
7	D37, D46 THRU D51	DIODE 1N4004	1105736	14
4	D59 THRU D62	DIODE 1N4721	1110192	15
1	D56	BRIDGE	1110714	16
5	D71, D72, D38, D39, D63	DIODE .4W 5.1A/2.51V 1% ZENER	1105873	17
4	J1	KEYING PLUGS	1211595	18
1	J2, J3, J4, J5	CONN 3M 40 PIN	1210073	19
28		CONN MAT-N-LOCK SOCKET HOUSING	1209340	20
1	J6	SOCKETS (PC) AMP (61320-1)	1209456	21
1	R16	CONN H802 18PIN (MODIFIED)	5510831	22
7	R1, R51, R52, R53, R54, R55, R56	RES 47.5W .5%	1301685	23
2	R11, R12	RES 0.5O 2W 1%	1311867	24
8	R80, R2, R9, R16, R23, R30, R37, R44	RES 4.5W W.W.	1311624	25
1	R107	RES 100.1W .5%	1300229	26
1	R62	RES 18.5W .5%	1302124	27
4	R104, R105, R81, R113	RES 100.1W .5%	1300228	28
2	R103, R97	RES 100.1W .5%	1300230	29
2	R114, R121	RES 1.1K .5W .5%	1301475	30
2	R5, R31, R108, R25, R32, R35, R45, R51	RES 220.4.5%	1300271	32
2	R75, R77	RES 180.5W .5%	1300260	33
1	R90	RES 200.5W .5%	1309639	34
1	R71	RES 210.5W .5%	1301972	35
1	R106	RES 390.2W .5%	1301864	36
7	R3, R10, R17, R24, R31, R38, R46	RES 210.2W 10%	1301288	37
1	R86	RES 300.2W .5%	1300855	38
2	R95, R100	RES 390.5W .5%	1300309	39
1	R101	RES 470.2W .5%	1300302	40
1	R70	RES 39.5W .5%	1302336	42
2	R85, R88	RES 500.5W .5%	1300291	43
1	R65	RES 1K .5W .5%	1300385	44
2	R63, R64	RES 1K .5W .5%	1300384	45
2	R65, R67	RES 1.2K .5W .5%	1301320	46

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
3	R59, R66, R85	RES. 2K 1/4W .5%	1302388	47
7	R6, R13, R20, R27, R34, R41, R46	RES 2.7K .5W .5%	1300426	48
5	R94, R99, R16, R117, R122	RES 3.9K .5W .5%	1300444	49
16	R5, R7, R12, R15, R19, R21, R26, R28, R33, R35, R40, R42, R47, R49, R58, R63	RES 4.7K .5W .5%	1300447	50
9	R79, R76, R73, R72, R61, R57, R108, R109, R10	RES 10K .5W .5%	1300479	51
7	R8, R14, R22, R29, R36, R43, R50	RES 18K .5W .5%	1302465	52
1	R120	RES 560 .5W .5%	1301890	53
2	R92, R93	RES 487 .5W .5%	1311845	54
2	R98, R102	RES 619 .5W .5%	1305126	55
1	R59	RES 196 .5W .5%	1302956	56
1	R119	RES 121.5W .5%	1302957	57
2	Q23, Q1, Q16, Q17, Q8, Q19, Q20, Q21	FASTON TAB	9007113	58
8	Q24, Q6, Q8, Q10, Q12, Q14, Q38, Q39	TRANS 2N3716	1503069	59
9	Q24, Q6, Q8, Q10, Q12, Q14, Q38, Q39	TRANS 65318	1509338	60
2	Q42, Q43	TRANS 3715	1503088	61
1	Q51	TRANS 2N3791	1509581	62
6	Q33, Q34, Q36, Q47, Q48	TRANS MPSA05	1510705	64
15	Q3, Q5, Q7, Q9, Q11, Q13, Q15, Q22, Q25, Q27, Q35, Q37, Q45, Q46, Q52	TRANS MPSA55	1510706	65
2	Q41, Q49	TRANS D44C8	1510421	66
3	Q40, Q24, Q50	TRANS D45C8	1510598	67
1	E1	IC LM309K REGULATOR	1910460	68
6		HEAT SINK	7411077	69
8		FUSE CLIPS	9009513-01	70
8		MASHERS, FLAT, NYLON #6	9006707	71
1	F1	EYELET (MAT-N-LOK)	9007266	72
2	F2, F3	FUSE 2AMP SLOW BLOW	9007216	73
24		EYELET	9009000	75
34		SCREW, PPH 4-40 X 1/2	9006013-01	76
1		NUT, KEP, 4-40	9006557	77
1		SCREW, PPH 6-32 X 15/16	9007838-01	79
1		NUT, KEP, 6-32	9006560	80
1		CABLE, POWER BOARD	9006560	81
12		INSULATOR, TOS	9006721	83
A/R		COMPOUND, THERMAL	9008268	85
1		GRIPLET	1210244	86
2	R84, R87	WIRE, JUMPER #24 AWG INS.	9107606	87
2	D52, D54	RES. 1.5K .5W .5%	1300391	89
10		DIODE, 1N747A, 3.5V ZENER	1110672	89
3	Q32, Q30, Q28	SCREW, PPH 4-40 X 1/6	9006012-01	90
2	Q29, Q31	TRANS D44H8	1510707-00	91
1		TRANS D45H8	1570708-00	92
1		LABEL	3611567	93

REVISIONS		TITLE		SCALE		SHEET 2 OF 5		NUMBER		REV.	
CHK	CHANGE NO	REV	LA 36	POWER BOARD	1/8"	1	1	5410805-0-1	F		





* COMPONENTS ARE MOUNTED ON HEAT SINK.
** DIODES D59 THRU D62 ARE 1N4721.

REVISIONS		
CHK	CHANGE NO.	REV.

ERIC FORM NO.
EDRS 176

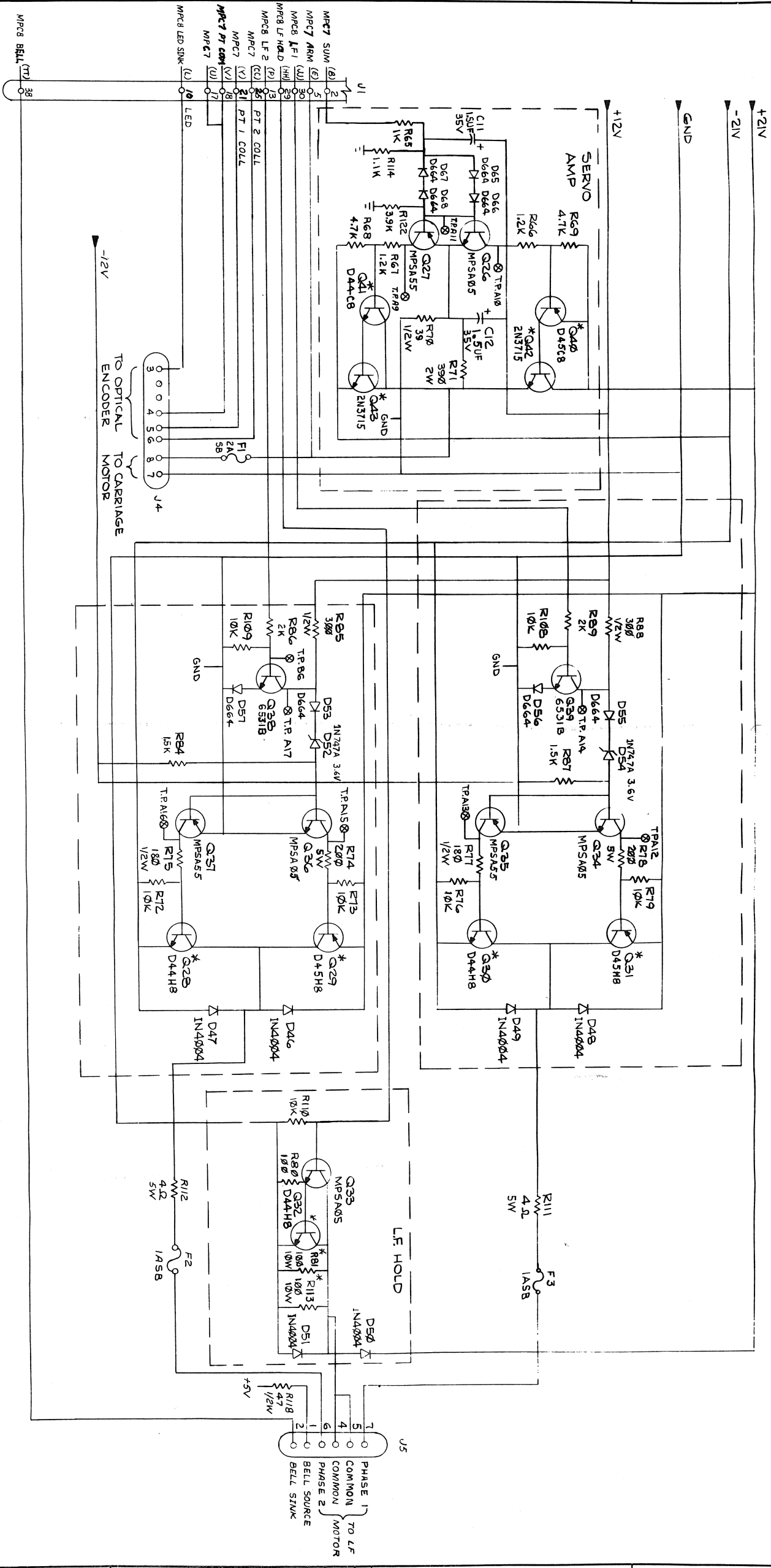
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765432

TITLE		SIZE/CODE	NUMBER	REV
LA 36 POWER BOARD		D CS	5410805-0-1	F
SCALE	$\frac{1}{4} = 1$	SHEET	4 OF 5	DIST.

TITLE		SIZE/CODE	NUMBER	REV
LA 36 POWER BOARD		D CS	5410805-0-1	F
SCALE	$\frac{1}{4} = 1$	SHEET	4 OF 5	DIST.

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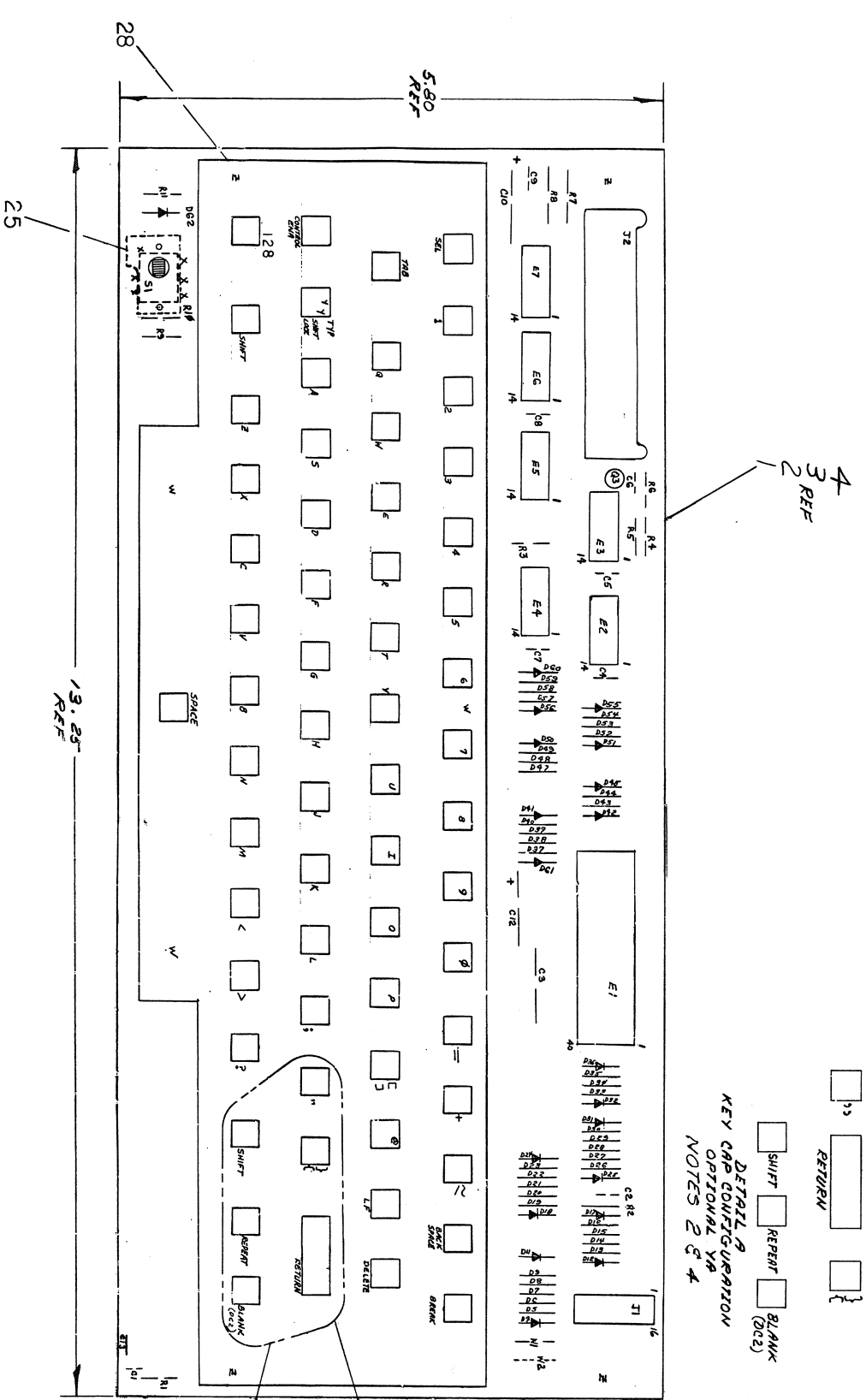


* COMPONENTS ARE MOUNTED ON HEAT SINK.

REVISIONS		TITLE		NUMBER		REV	
CHK	CHANGE NO.	REV					
			LA 36 POWER BOARD		D/C S		5410805-0-1 F
			SCALE		SHEET 5 OF 5		
			DIST.				

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NOTES: TWO VARIATIONS OF THIS BOARD SHALL BE AVAILABLE:
1. 5410736-0-0 NORMAL KEY CAP CONFIGURATION: W1, IN; W2 OUT
2. 5410736-1A-0 YA = OPTIONAL KEY CAP CONFIGURATION: W2, IN; W1 OUT



4
3 REF
2
1
SHIFT
RETURN
BLANK (DC2)
KEY CAP CONFIGURATION
OPTIONAL YA
NOTES 2 & 4

C4	1001	2070
C5	1001	2070
C7	1001	2070
C8	1001	2070
C9	1001	2070

Paul E. Nelson 9-23-74	
P. NELSON	
H. Denmore 9-23-74	
5410736-00001	
ORIGINATED	C
CHK	B
CHANGE NO.	REV
REVISIONS	
DEC NO.	147599
EIA NO.	143600
DEC NO.	143600
EIA NO.	143600
SEMICONDUCTOR CONVERSION CHART	
ETCH BOARD REV	D
DATE	9-23-74
CHK'D	Paul E. Nelson
DATE	9-23-74
ENG	Paul E. Nelson
DATE	9-23-74
PROJ	147599
DATE	9-23-74
PROD	143600
DATE	9-23-74
NEXT HIGHER ASSY	
D-1A-LK02-0-0	
SCALE	1 OF 2
DIST.	
LK02 KEYBOARD	
SIZE CODE	NUMBER
DCS 5410736-0-1	C

REF	REF	REF	COORDINATE	LOCATION	1
REF	REF	REF	ASSY/DRILLING HOLE	LAYOUT	2
REF	REF	REF	MODULE ECO HISTORY		3
REF	REF	REF	ETCHED CIRCUIT BOARD		4
1	1	1	CAP., 0.1UF, 100V, 10%	MYLAR	5
6	6	6	CAP., 0.1UF, 100V, 20%	DISC	8
1	1	1	CAP., 0.1UF, 25V	TANT	7
1	1	1	CAP., 0.1UF, 100V, 10%	MYLAR	5
2	2	2	CAP., 100PF, 100V, 5%	MICH	9
57	57	57	D47-D9, D1-D45, D47-D82	D10DE, 7064	11
1	1	1	TRANSISTOR DEC 3009B	1503100-00	13
1	1	1	SWITCH (DPST)	1210019	14
1	1	1	SOCKET (16 PINS)	1210025-00	15
1	1	1	CONNECTOR, RIGHT ANGLE HEADER	1209941-00	16
1	1	1	SOCKET ROM	1210947-00	17
1	1	1	I.C. 7404	1909686	18
1	1	1	I.C. 7400	1905575	19
1	1	1	I.C. 7430	1905578	20
2	2	2	I.C. 7437	1910091	21
1	1	1	I.C. 9601	1909373	22
1	1	1	I.C. ROM	211634	23
2	2	2	SCREW PHILLIP SELF-TAP 4-40 X 3/16	9009163	24
1	1	1	PHENOLIC SWITCH SELECTOR	B-MD-7409532-0-0	25
1	1	1	JUMPER (INSULATED) (.4)	3009482-B-B	26
1	1	1	W1, W2	9009185	27
1	1	1	63 KEYSWITCH ARRAY	DAD7009892-00	28
5	5	5	RES 1K 1/4W 5%	1300985-00	29
2	2	2	RES 3.9K 1/4W 5%	1300444-00	30
1	1	1	RES 10K 1/4W 5%	1301313-00	31
1	1	1	RES 22K 1/4W 5%	1301808-00	32
1	1	1	RES 100K 1/4W 5%	1302466-00	33
2	2	2	RES 2 OHM 1/4W 5%	1309421-00	34

