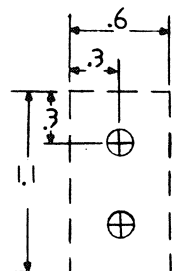
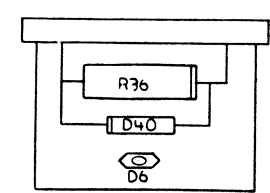


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2-0-103607-0-0

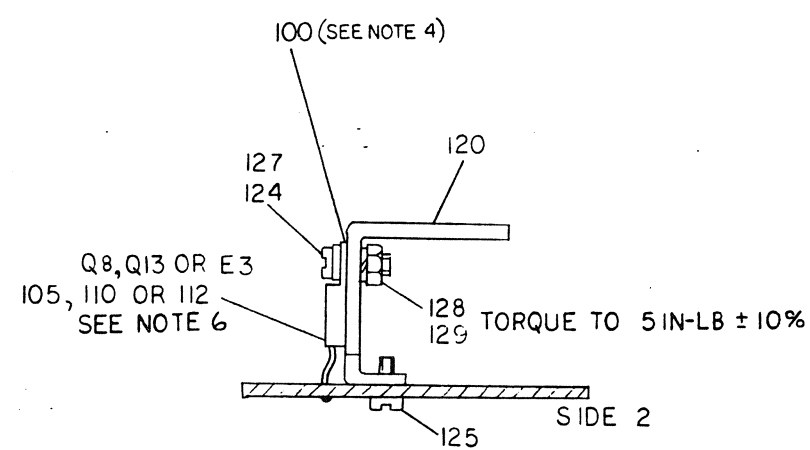
VIEW C-C
SCALE 2/1
TYP. MTG. OF L1, L2 & L3

VIEW B-B
SCALE 2/1
TYP. MTG. OF D4 & D6



DETAIL A
SEE NOTE 7

FOR -00 DIODE IS USED
FOR -YA JUMPER IS USED
FOR YB JUMPER IS USED
IN PLACE OF D38 ONLY.



SECTION A-A
SCALE: 2/1
TYPICAL 3 PLACES

5.90 F.B.S.
(149.86 MM)

7.78 F.B.S.
(197.49 MM)

NOTES:

1. R47/R37 MUST BE RAISED .125" TO .150".
2. D3 MUST BE RAISED .05" TO .10".
3. USE TRANSIPADS (ITEM 95) UNDER Q7, Q11, Q14.
4. USE THERMAL COMPOUND (ITEM 100) BETWEEN E3, Q5, Q8, Q13, D4, D6 & HEAT SINK.

STEP	E	Y AXIS	E.025 STEP	TIMES
REPEAT		X AXIS	7.900 STEP	TIMES

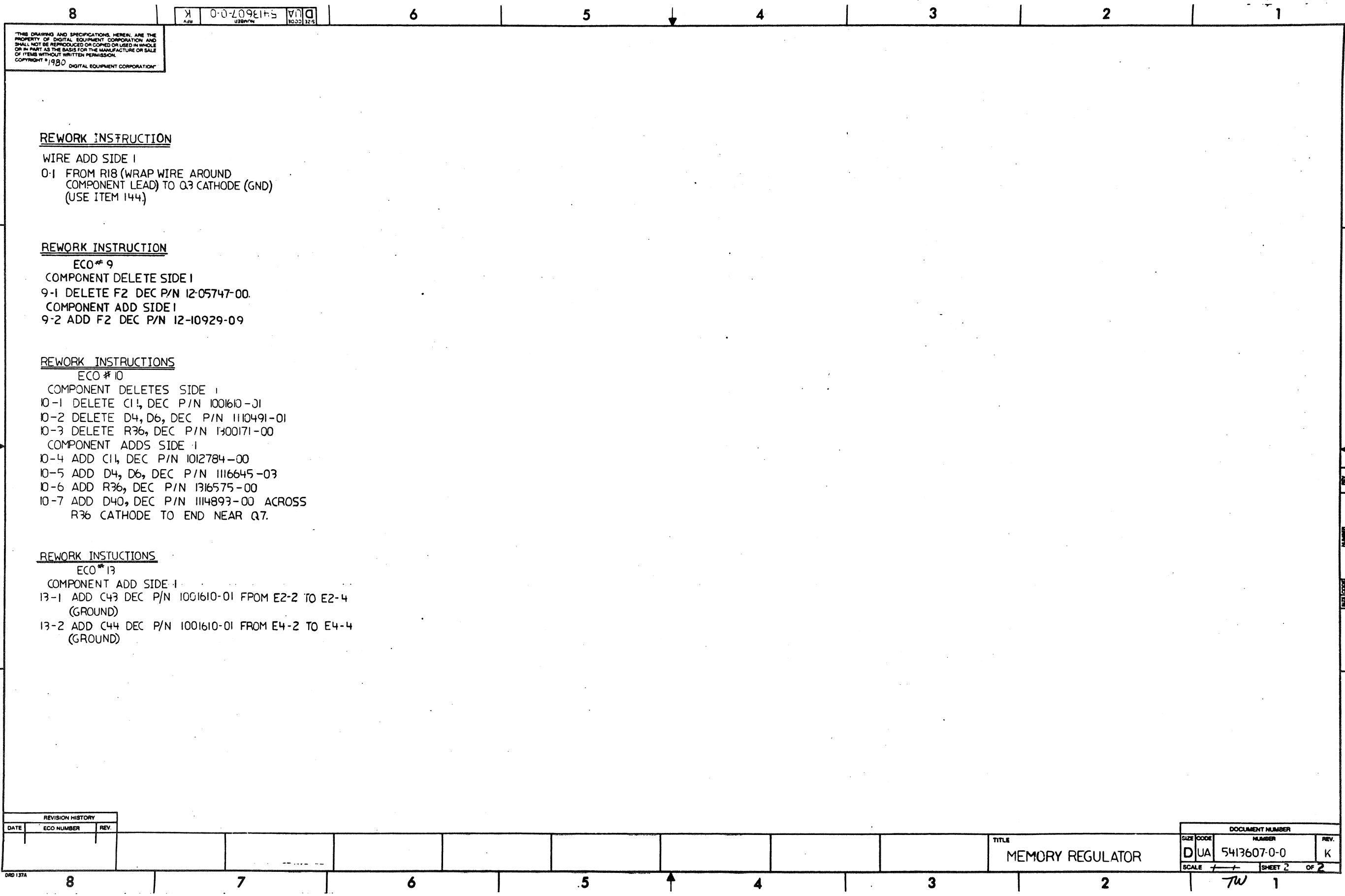
CHANGE NO	REV	DATE	BY	CHKD	APPD
5413607-TW5	E		R. WOLF		
5413607-TW6	F		K. KNOWLES		
5413607-TW7	G		C. SKOOLICAS		
5413607-TW8	H		A. P. REECE		
5413607-TW9	I		C. SKOOLICAS		
5413607-TW10	J		A. P. REECE		
5413607-TW11	K		K. KNOWLES		

5. TORQUE TO 8 IN LB ± 10%
6. Q8, Q13, E3, D4, D6 MUST BE MOUNTED TO HEAT SINKS BEFORE BEING ATTACHED TO P.C.B.
7. MASK THIS AREA ON SIDE 2 ONLY, KEEP FREE OF SOLDER.

SIGNATURES	DATE
DRN. P. RICHARD TELLIER	12-22-79
CHK'D. [Signature]	2-5-80
MECH. ENG. [Signature]	4-9-80
PROJ. ENG. [Signature]	4-1-80
PROD. [Signature]	2-7-80
SCALE 2/1	
SHT. 1 OF 2	
NEXT HIGHER REV. B-DD-5413607-0	

DATE	digital
12-22-79	
2-5-80	
4-9-80	
4-1-80	
2-7-80	
SCALE 2/1	
SHT. 1 OF 2	
NEXT HIGHER REV. B-DD-5413607-0	

TW 1 MS#171921D-PI



REWORK INSTRUCTION

WIRE ADD SIDE I
0-1 FROM R18 (WRAP WIRE AROUND
COMPONENT LEAD) TO Q3 CATHODE (GND)
(USE ITEM 144.)

REWORK INSTRUCTION

ECO # 9
COMPONENT DELETE SIDE I
9-1 DELETE F2 DEC P/N 12-05747-00.
COMPONENT ADD SIDE I
9-2 ADD F2 DEC P/N 12-10929-09

REWORK INSTRUCTIONS

ECO # 10
COMPONENT DELETES SIDE I
10-1 DELETE C11, DEC P/N 1001610-01
10-2 DELETE D4, D6, DEC P/N 1110491-01
10-3 DELETE R36, DEC P/N 1300171-00
COMPONENT ADDS SIDE I
10-4 ADD C11, DEC P/N 1012784-00
10-5 ADD D4, D6, DEC P/N 1116645-03
10-6 ADD R36, DEC P/N 1316575-00
10-7 ADD D40, DEC P/N 1114893-00 ACROSS
R36 CATHODE TO END NEAR Q7.

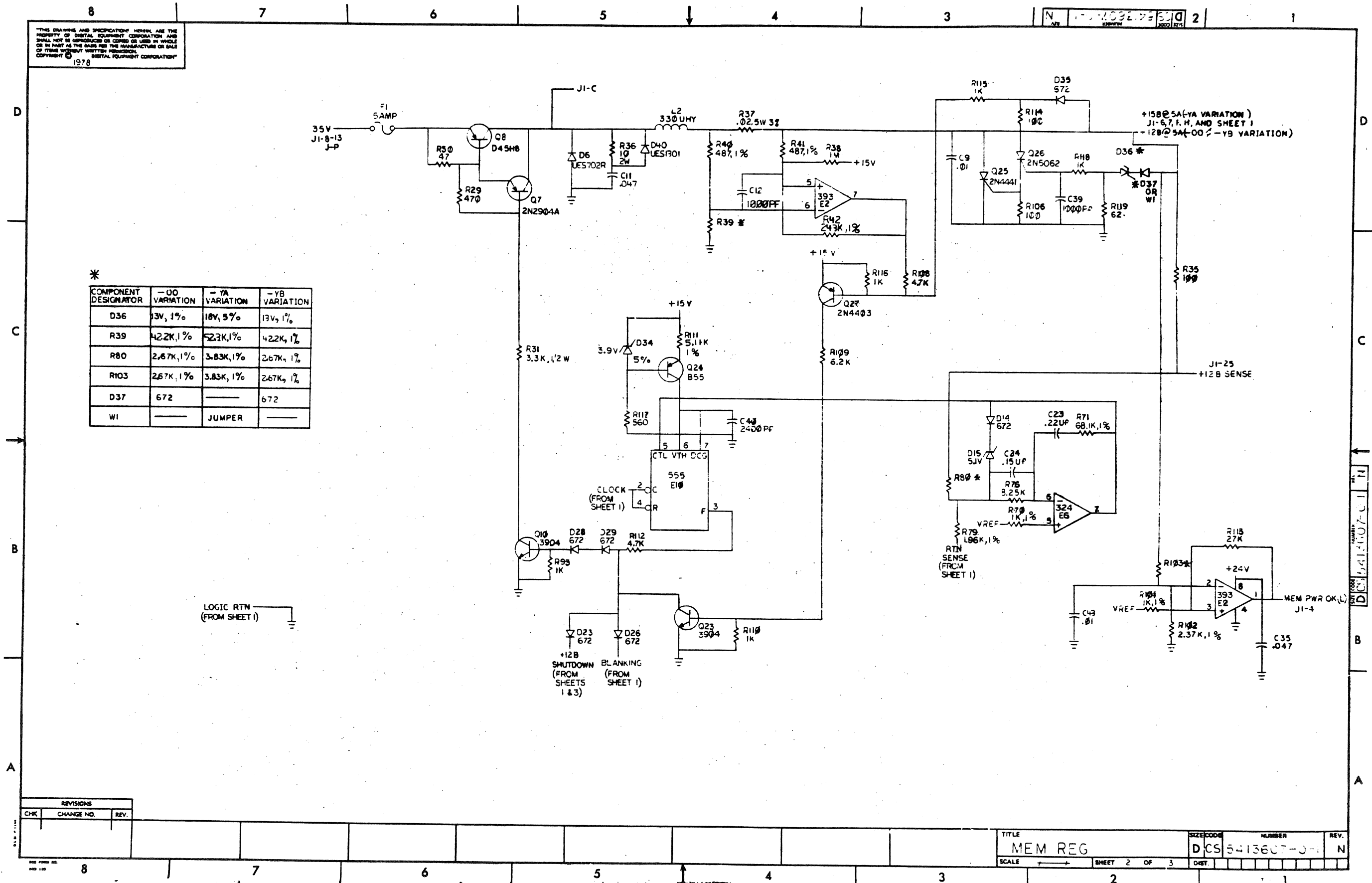
REWORK INSTUCTIONS

ECO # 13
COMPONENT ADD SIDE I
13-1 ADD C43 DEC P/N 1001610-01 FROM E2-2 TO E2-4
(GROUND)
13-2 ADD C44 DEC P/N 1001610-01 FROM E4-2 TO E4-4
(GROUND)

REVISION HISTORY		
DATE	ECO NUMBER	REV.

TITLE
MEMORY REGULATOR

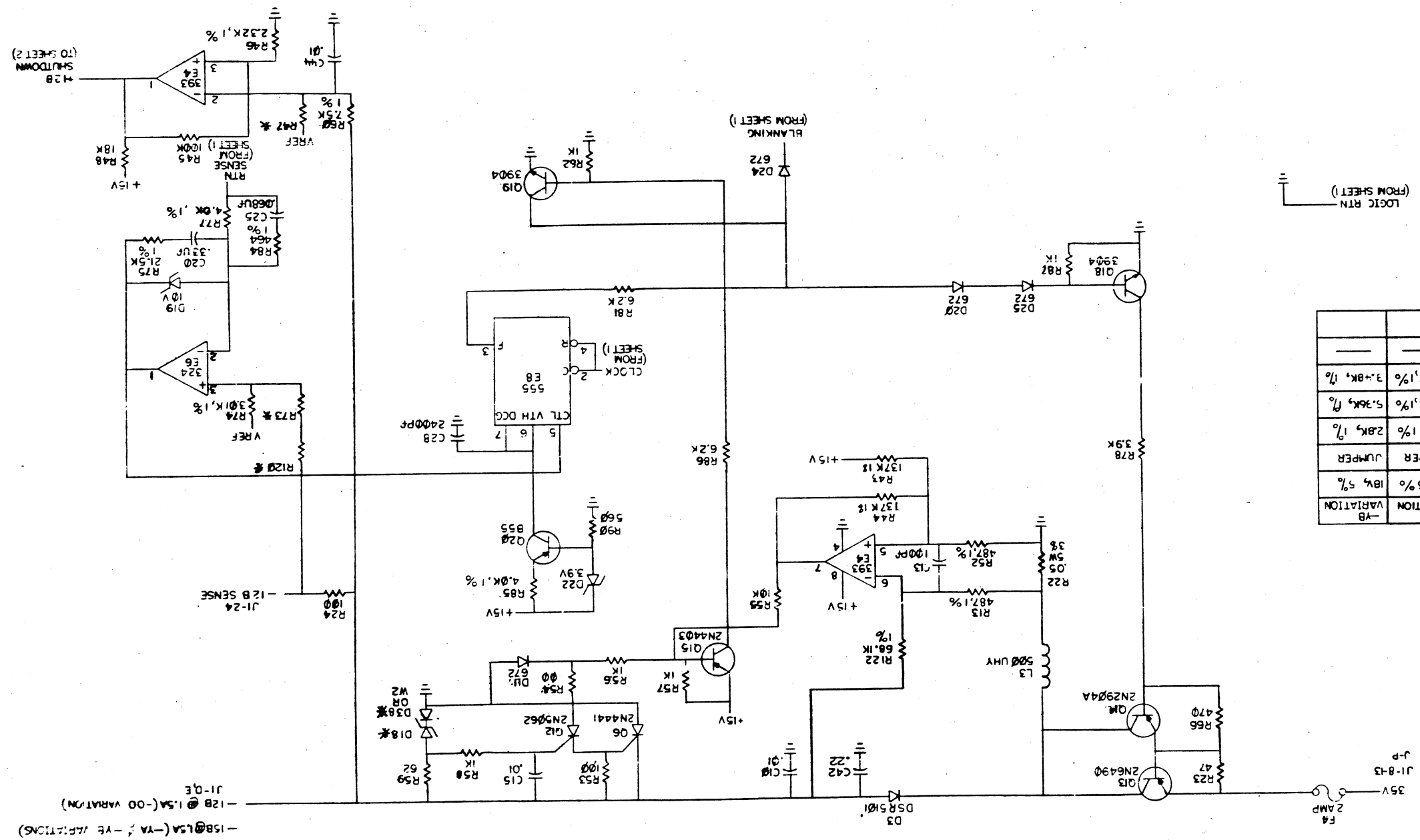
DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	UA	5413607-0-0	K
SCALE 1:1		SHEET 2 OF 2	



REV.	CHANGE NO.	REVISIONS

TITLE MEM REG
 SCALE
 SHEET 3 OF 3
 DCS 5413607-0-1
 SIZE CODE
 NUMBER
 REV.

COMPONENT	-00	-YA	-YB	-YB
DESIGNATOR	00	13V, 1%	18V, 5%	18V, 5%
VARIATION				
JUMPER				
W2				
R47	3.48K, 1%	2.8K, 1%	2.8K, 1%	2.8K, 1%
R73	5.36K, 1%	5.36K, 1%	5.36K, 1%	5.36K, 1%
R120	1.47K, 1%	3.48K, 1%	3.48K, 1%	3.48K, 1%
D38	672			



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 197-

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					00	YA	YB	
1	1	D-MD-5013606-0-0	5013606-00	DRILL & ETCH BD	1	1	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	1	1	C30
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	3	3	3	C3,C39,C12
4	4		1000052-00	.068 MFD 100V 10% MYLR	1	1	1	C25
5	5		1000060-00	6800.0 MMF 200V 10% MYLR	1	1	1	C31
6	6		1000075-00	25 MFD 25V +75-10% AL EL	1	1	1	C7
7	7	SEE NOTE #157	1001610-01	.01 MFD50/100V +80-20% DISC	11	11	11	C4-C6,C8-C10,C21,C33,C15,C43,C44
8	8		1001776-00	1 MFD 35V 10% S.TANT	1	1	1	C16
9	9		1001636-00	2400.0 MMF 100V 5%200PPM MICA	2	2	2	C28,C40
10	10		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1	1	1	C38
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1	1	1	C19
12	12		1005328-00	.33 MFD 20V 10% S.TANT	1	1	1	C20
13	13		1009312-00	.0047 MFD 100V 1% MYLR	1	1	1	C37
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	1	1	1	C29
15	15		1011740-02	1800.0 MMF 50V 10% CER	1	1	1	C17
16	16		1011895-00	.15 MFD 35V 10% S.TANT	1	1	1	C24
17	17		1012784-00	.047 MFD 50V +80-20% CER	10	10	10	C2,C14,C18,C22,C26,C32,C34-C36,C11
18	18		1100122-00	VZ= 3.9 5% 400 MW 1N748A	3	3	3	D16,D22,D34
19	19		1105275-00	PIV= 60 IO=300 MA -15NS	19	-	-	D1,D7,D8,D10,D11,D13,D14,D20,D23-D26,D28,D29,D31,D32,D35,D37,D38
			CONT		-	17	-	D1,D7,D8,D10,D11,D13,D14,D20,D23-D26,D28,D29,D31,D32,D35
			CONT		-	-	18	D1,D7,D8,D10,D11,D13,D14,D20,D23-D26,D28,D29,D31,D32,D35,D37
20	20		1100125-00	VZ= 10.0 5% 400 MW 1N758A	1	1	1	D19
21	21		1105871-00	VZ= 5.15 1% 250 MW	3	3	3	D17,D30,D39
22	22		1118411-00	VZ= 13.0 1% 500 MW 1N5243	2	-	-	D18,D36
			CONT		-	-	1	D36

REVISION HISTORY			BASIC PART NO: 5413607			DRN: J.FERGUSON			DATE: 06-AUG-80			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: J.FERGUSON			DATE: 06-AUG-80			TITLE PARTS LIST		
	TW005	H	SECTION VARIATION INDEX			DES.ENG: B.WOLF			DATE: 06-AUG-80			MEMORY REG		
MS	5413607-TW006	J	[A] 00,YA,YB			RESP.ENG.: B.WOLF			DATE: 06-AUG-80			DOCUMENT NUMBER		
KK	5413607-TW009	K	[B]			MFG.ENG.: P.WAITKUS			DATE: 06-AUG-80			SIZE CODE NUMBER REV		
CS	5413607-TW010	L	[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
CS	5413607-TW012	M	[D]			D-UA-5413607-0-0			B-DD-5413607-0-0			Z0403R.PLS 9		
CS	5413607-TW013	N	[E]											
KK	5413607-TW014	P	[F]											
CS	5413607-TW015	R	[H]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											
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QTY PER VARIATION
00 YA YB
REFERENCE DESIGNATOR

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION				REFERENCE DESIGNATOR
				00	YA	YB		
23	111645-03	RECT,ULTRA FAST PIV= 100 IO=25.0	VZ= 5.1 2# 400 MM 1N751	2	2	2	D4,D6	
24	1110713-00	VZ= 5.1 2# 400 MM 1N708		1	1	1	D5	
25	1110856-00	VZ= 24.0 5# 400 MM		1	1	1	D2	
26	1111205-00	VZ= 5.7 2# 400 MM		1	1	1	D3	
27	1114602-00	RECT,ULTRA FAST PIV= 100 IO= 4.0		1	1	1	Q4,Q12,Q26	
28	1110968-00	SCR PIV= 100 IO= .80A 2N5062		3	3	3	C23,C42	
29	1010978-40	MFD 50V 10%		2	2	2	F3	
30	1210929-02	FUSE, SUB-MINI 1.000A, 125V, A		1	1	1	F1	
31	1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A		1	1	1	J1	
32	1216112-03	PCB,HEADER 50POS(1X50).156CC 90D		1	1	1	R77,R85	
33	1305127-00	4.0 K		2	2	2	R72	
34	1304856-00	.25 W 1.0 % RN55D-F10		1	1	1	R94,R111	
35	1304854-00	.25 W 1.0 % RN55D-F10		2	2	2	R34,R83	
36	1300391-00	1.50 K		3	3	3	R29,R49,R66	
37	1300316-00	470.0		3	3	3	R11,R17,R24,R26,R35,R53,R54,	
38	1300447-00	4.70 K		6	6	6	R106,R114	
39	1300229-00	100.0		9	9	9	R1,R16,R19,R56-R58,R64,R67,R82,	
40	1301317-00	.25 W 5.0 %	CF	1	1	1	R15,R18,R27	
41	1300364-00	.50 W 5.0 %	CF	1	1	1	R47	
42	1300171-00	1.0 W 5.0 %	CC	1	1	1	R12	
43	1313014-00	3.75 W 3.0 %	WM	1	1	1	R25	
44	1301864-00	2.0 W 5.0 %	CC	1	1	1	R14	
45	1300479-00	10.0 K	CF	5	5	5	R28	
46	1309595-00	.25 W 5.0 %	CF	5	5	5	R4,R33,R55,R96,R98	
47	1303114-00	.25 W 1.0 % RN55D-F10	CF	6	6	6	R38	
48	1300365-00	*** THIS ITEM IS NOT USED ***		6	6	6	R2,R3,R61,R69,R70,R101	
49				16	16	16	R1,R16,R19,R56-R58,R64,R67,R82,	
50	1301522-00	.25 W 5.0 %	CF	3	3	3	CONT	
51	1305114-00	.25 W 1.0 % RN55D-F10		1	1	1	R120	
52	1301890-00	.25 W 5.0 %	CF	3	3	3	R65,R90,R117	
53	1300426-00	.25 W 5.0 %	CF	2	2	2	R50,R121	
54	1211751-00	2.000A, 125V, A		1	1	1	F4	
55	1305128-00	.25 W 1.0 % RN55D-F10		3	3	3	R68,R73,R91	
56	1303044-00	.25 W 1.0 % RN55D-F10		1	1	1	R68,R91	
57	1309787-00	.25 W 1.0 % RN55E-F 2		1	1	1	R45	
58	1310876-03	5.0 W 3.0 %	WM	1	1	1	R62	
59	1305124-00	.25 W 1.0 % RN55D-F10		2	2	2	R22	
60	1310631-00	.25 W 1.0 % RN55D-F10		1	1	1	R10,R20	
61	1313341-00	.25 W 1.0 % RN55D-F10		1	1	1	R9	
62	1304862-00	1.62 K		1	1	1	R105	
63	1300202-00	.25 W 5.0 %	CF	2	2	2	R92	
64	9006801-00	SPACER,CLEAR HOLE HEX ALUM 6		1	1	1	R23,R30	

D	I	G	I	T	A	L	TITLE	MEMORY REG	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	S413607-0-DBP	R

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					00	YA	YB	
65	65		1311845-00	487.0 .25 W 1.0 % RN55D-F10	4	4	4	R13,R40,R41,R52
66	66		1315436-00	52.30 K .25 W 1.0 % RN55D-F10	-	1	-	R39
67	67		1310876-00	.02 5.0 W 3.0 % WW	1	1	1	R37
68	68		1304843-00	243.0 K .25 W 1.0 % RN55D-F10	1	1	1	R42
69	69		9006026-01	SCREW,MACH PAN PHIL 6-	1	1	1	
70	70		1300440-00	3.30 K .50 W 5.0 % CF	1	1	1	R31
71	71		1312929-00	62.0 .25 W 5.0 % CF	2	2	2	R59,R119
72	72		1305252-00	68.10 K .25 W 1.0 % RN55D-F10	3	3	3	R71,R122,R5
73	73		1305325-00	8.25 K .25 W 1.0 % RN55D-F10	1	1	1	R76
74	74		9006653-00	WASHER,FLAT STEEL	1	1	1	
75	75		9107560-03	WIRE,BUSS 18AWG TIN BARE	A/R	A/R	A/R	
76	76		1305346-00	27.0 K .25 W 5.0 % CF	2	2	2	R8,R113
77	77		1310634-00	2.67 K .25 W 1.0 % RN55D-F10	2	-	2	R80,R103
78	78		1310632-00	2.37 K .25 W 1.0 % RN55D-F10	1	1	1	R102
79	79		1301874-00	5.60 K .25 W 5.0 % CF	2	2	2	R95,R97
80	80		1300444-00	3.90 K .25 W 5.0 % CF	1	1	1	R78
81	81	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	
82	82		1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	1	1	R75
83	83		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	1	1	R74
84	84		1312931-00	6.20 K .25 W 5.0 % CF	4	4	4	R51,R81,R86,R109
85	85		1000016-00	100.0 MMF 100V 5%200PPM MICA	2	2	2	C1,C13
86	86		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	1	1	R79
87	87		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	1	1	1	R60
88	88		1312545-00	2.32 K .25 W 1.0 % RN55D-F10	1	1	1	R46
89	89		1300433-00	3.0 K 1.0 W 5.0 % CC	1	1	1	R32
90	90		1302398-00	470.0 K .25 W 5.0 % CF	1	1	1	R6
91	91		1000023-00	330.0 MMF 100V 5%200PPM MICA	1	1	1	C27
92	92		1302465-00	18.0 K .25 W 5.0 % CF	1	1	1	R48
93	93		1303047-00	464.0 .25 W 1.0 % RN55D-F10	1	1	1	R84
94	94		1305422-00	137.0 K .25 W 1.0 % RN55D-F10	2	2	2	R43,R44
95	95		1301838-00	120.0 1.0 W 5.0 % CC	1	1	1	R104
96	96		9107370-00	WIRE, 14AWG19/.0147IPVC 150V	A/R	A/R	A/R	
97	97		9007928-00	TERM,RING #10STUD CRIMP 14-1	2	2	2	
98	98	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	
99	99		9007201-00	PAD,MOUNTING,COMPONENT	4	4	4	
100	100		9008268-00	COMPOUND, THERMAL JOINT	A/R	A/R	A/R	
101	101		1510928-00	SCR PIV= 100 IO=25.00A	1	1	1	Q3
102	102		1505867-00	SCR PIV= 50 IO= 8.00A 2N4441	2	2	2	Q6,Q25
103	103		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1	-	-	R120
104	104		1510969-00	2N 5038 NPN 140WC SI 90 50 Y	1	1	1	Q5
105	105		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2	2	2	Q2,Q8
106	106		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	1	1	Q11
107	107		1510706-01	B 55 PNP 500MW SI 60 50	3	3	3	Q17,Q20,Q24
108	108		1513490-00	2N 4403 PNP 350MW SI-40 30	3	3	3	Q1,Q15,Q27
109	109		1509524-00	2N 3904 NPN 310MW SI 40 40 M	8	8	8	Q10,Q16,Q18,Q19,Q21,Q22,Q23,Q28
110	110		1512652-00	2N 6490 PNP 50W SI 60 40	1	1	1	Q13
111	111		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	2	2	2	Q7,Q14
112	112		1914473-02	7815A VOLT REG,FIX +15V	1	1	1	E3

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY REG		K	PL	5413607-0-DBP	R

PARTS LIST

QTY PER VARIATION

00 YA YB REFERENCE DESIGNATOR

PART NUMBER

DESCRIPTION

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	00	YA	YB	REFERENCE DESIGNATOR
113	1914156-00	LM	393 VOLT.COMPARATOR DUAL	3	3			E1,E2,E4
114	1912107-00		324 OP AMP,QUAD	1	1			E6
115	1911944-00		555CN TIMER,FUNCT.BLOCK	3	3			E7,E8,E10
116	1912858-00		LS221 ONE SHOT-DUAL,SCHMIT	1	1			E5
117	1616212-00		80.0 UH 12.5ADC 30KHZ	1	1			L1
118	1616210-00		250.0 UH @ 6.5A DC,600.0 UH @	1	1			L2
119	1616211-00		350.0 UH 3A	1	1			L3
120	7422046-00		HEAT SINK,SINGLE	3	3			
121	7422047-01		HEAT SINK DOUBLE	2	2			
122	1213426-03		HEAT SINK,10-3	1	1			
123	1214789-00		INSERT,THREAD	2	2			
124	9009769-00		WASHER,RECTNGLR	3	3			
125	9010128-00		SCREW,TAP PAN	7	7			
126	9006024-01		SCREW,MACH PAN	2	2			
127	9006011-01		SCREW,MACH PAN	3	3			
128	9006688-00		WASHER,HELICAL	3	3			
129	9006556-00		NUT,HEX	3	3			
130	9006041-01		SCREW,MACH PAN	2	2			
131	9006802-00		SPACER,CLEAR HOLE	2	2			
132	9006656-00		WASHER,FLAT	2	2			
133	9007801-00		WASHER,HELICAL	3	3			
134	9006690-00		WASHER,HELICAL	2	2			
135	9006660-00		WASHER,FLAT	2	2			
136	9009005-00		NUT,HEX	2	2			
137	9007906-00		WASHER,HELICAL	2	2			
138	9009185-00		JUMPER,WIRE, INSULATED, BLACK B	2	2			W1,W2
139	BLANK		*** THIS ITEM IS NOT USED ***	-	-			
140	2N 4036		PNP 7WC SI 80100 M	1	1			Q9
141	BLANK		*** THIS ITEM IS NOT USED ***	-	-			
142	BLANK		*** THIS ITEM IS NOT USED ***	-	-			
143	BLANK		*** THIS ITEM IS NOT USED ***	-	-			
144	9107688-55		WIRE(WRAP) 24AWG KYNAR UL13	A/R	A/R			D18,D36
145	1110766-00		VZ= 18.0 5% 500M2 1N5248B D	2	2			
146	1309413-00		3.83 K .25 W 1.0 % RN55D-F10	-	-			R80,R103
147	1305145-00		2.80 K .25 W 1.0 % RN55D-F10	-	-			R47
148	1312993-00		20.0 1.0 W 5.0 % CC	1	1			R123
149	1314923-00		42.20 K .25 W 1.0 % RN55D-F10	1	1			R39
150	1210929-09		FUSE, SUB-MINI, 7.000A, 125V,AXI	1	1			F2
151	1316575-00		10.0 2.0 W 5.0 % CC	1	1			R36
152	1114893-00		RECT,ULTRA FAST PIV= 50 IO= 6.0	1	1			D40
153	1911944-01		555-1 TIMER FUNCT.BLOCK,5	1	1			E9
154	1305336-00		200.0 K .25 W 1.0 % RN55D-F10	1	1			R7

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY REG		K	PL	5413607-0-DBP	R

AUTOMATED BY PRTLST.3P(44)

PARTS LIST

SHEET A5 OF A5

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00	YA YB	

155 NOTE: ITEM #75; .17' IS USED.
156 NOTE: ITEM #144; .19' IS USED.
157 NOTE: ITEM #96; .56' IS USED.
158 NOTE: ITEM #7, FOR C43 & C44, DEC P/N 1001610-00 MAY BE USED IN PLACE OF DEC P/N 1001610-01.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
CHK	HH	14					MEMORY REG		K	PL	5413607-0-DBP	R

5 APPLY GROMMET (ITEM 124) TO HEAT SINK (ITEM 95) USING PERMABOND (ITEM 126). (USE ONLY ON SIDE INDICATED).

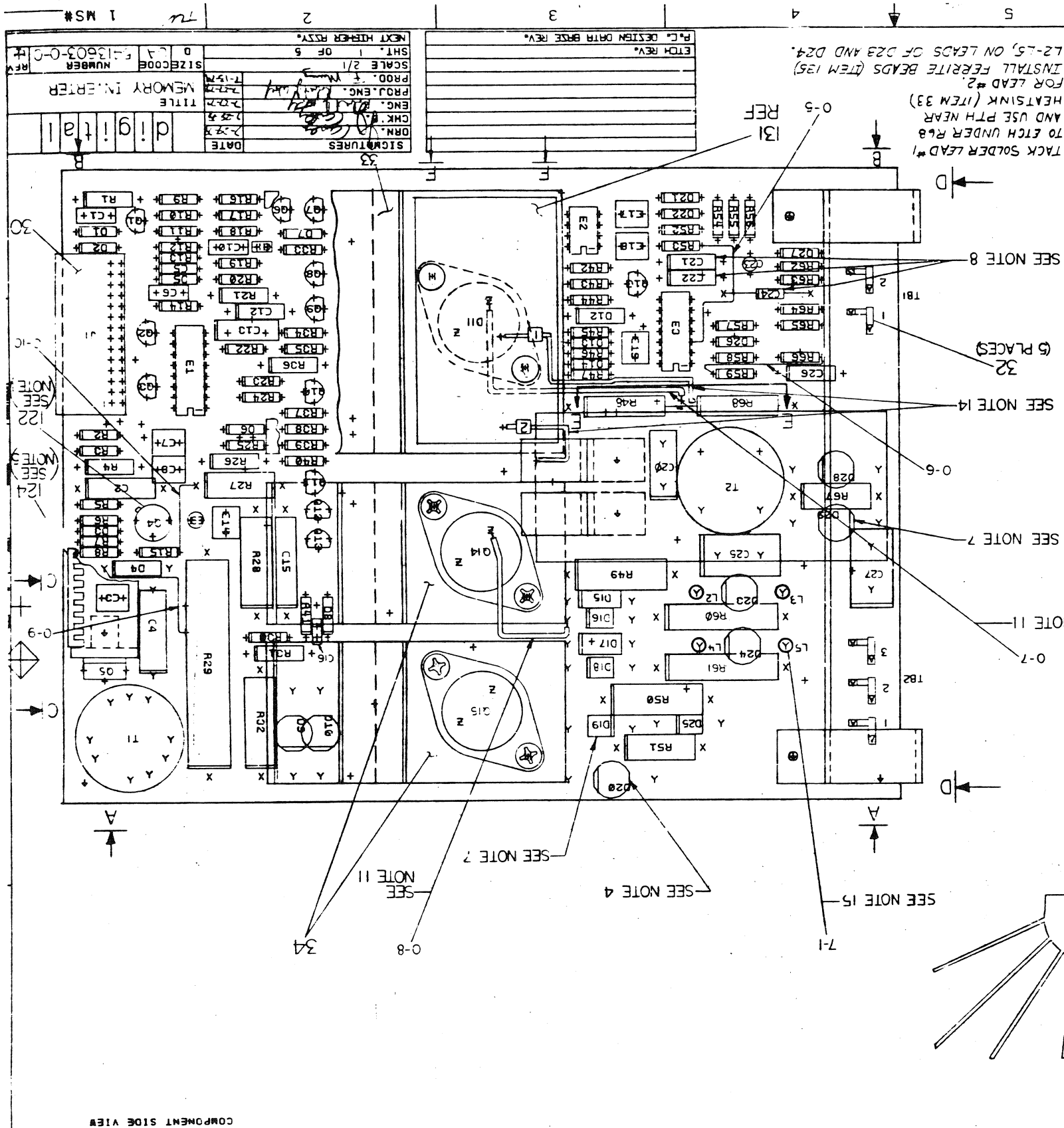
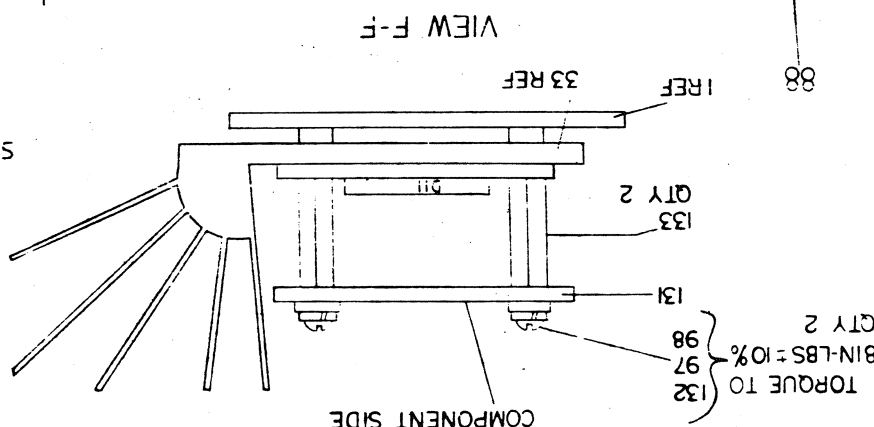
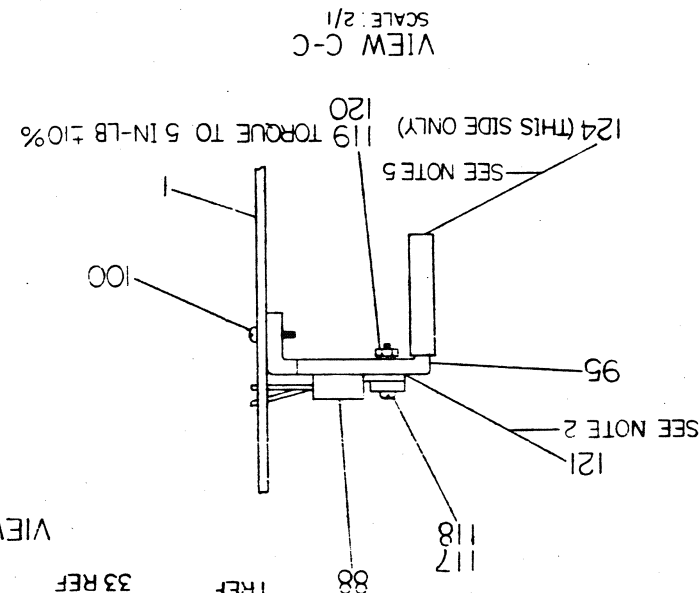
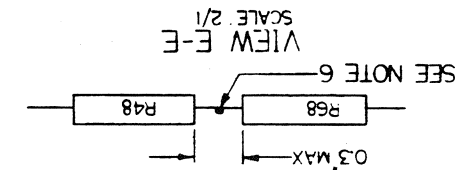
6 R48 & R68 ARE CONNECTED BY TWISTING ONE LEAD OF R68 WITH ONE LEAD OF R48 AND SOLDERING. THE SPECIFIED SPACING BETWEEN THE BODIES OF THE RESISTORS MUST NOT BE EXCEEDED AND ALL EXTRA LEAD MATERIAL MUST BE REMOVED.

7 D19 & D29 HAVE CATHODES IN OPPOSITE DIRECTION TO OTHER DIODES ON BOARD.

8 APPLY INSULATING SLEEVE (ITEM 127) TO EACH LEAD OF C24, C22 & C21.

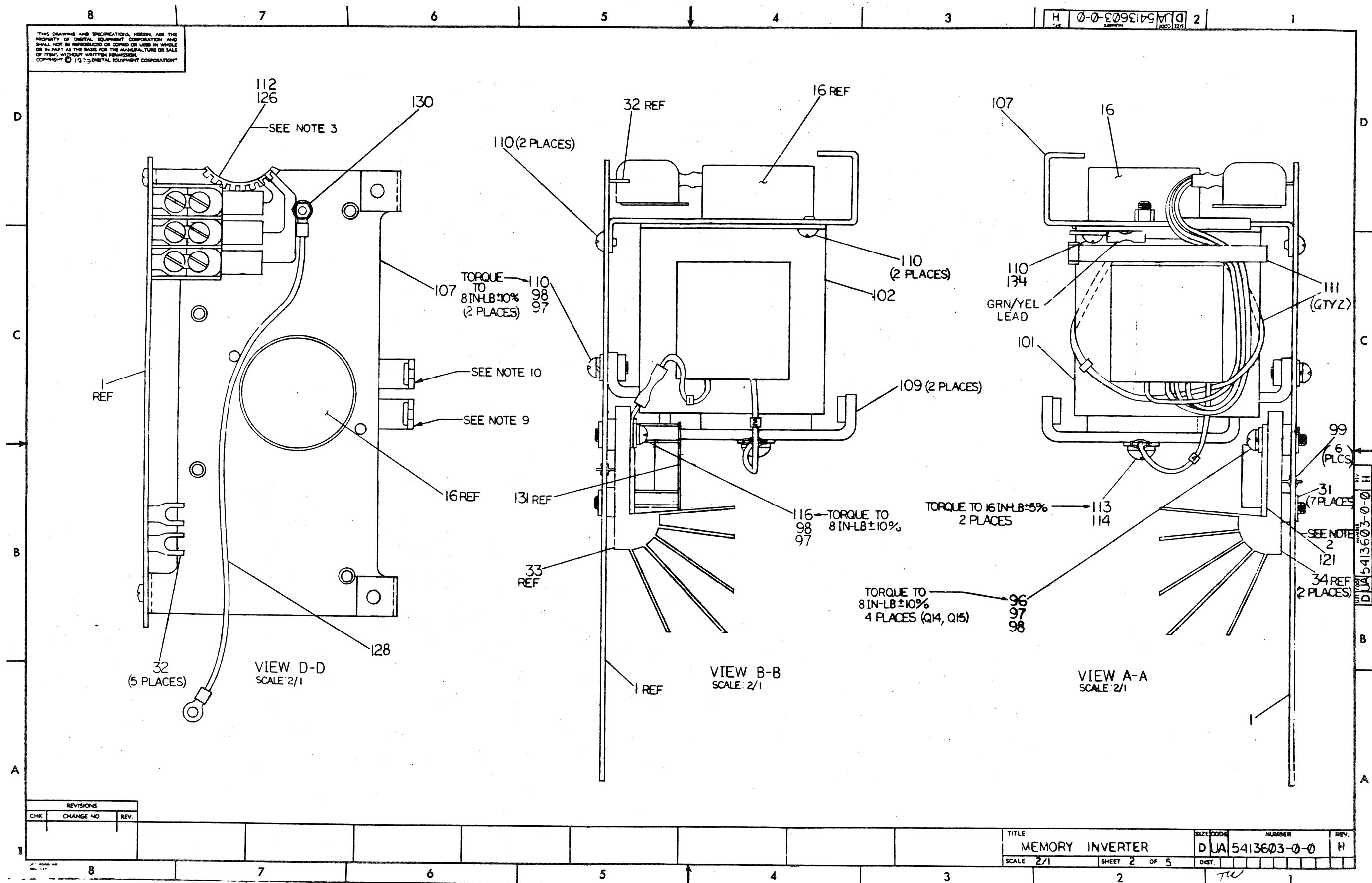
9 POSITIVE TERMINAL OF CAP C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 103) NOTES: 1 USE TRANSIPAD (ITEM 122) UNDER Q4 2 USE THERMAL COMPOUND (ITEM 121) BETWEEN D115 AND HEAT SINKS 3 APPLY GROMMET (ITEM 112) TO KFMF MFG. BAKY (ITEM 107) USING PERMABOND (ITEM 126). APPLY ONLY IN AREA INDICATED.

4 RAISE R29, R48, R60, R61, R32, R49, R67, D9, R68, D20, D23, D24, D28 AND D29 .100 TO .150" OFF P.C. BOARD



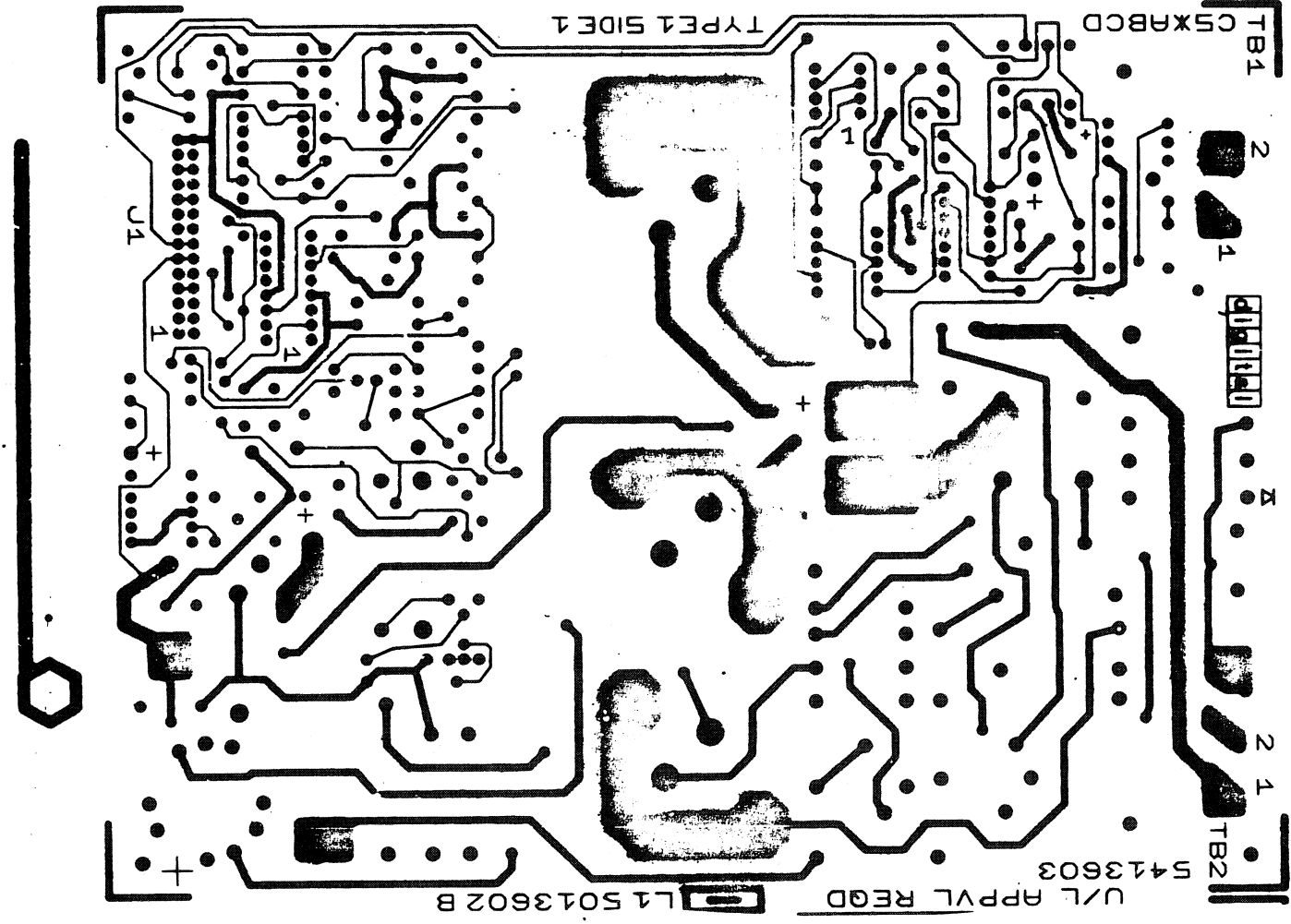
SIGNATURES		ORN.	CHK.	ENG.	PROJ. ENC.	PROD.	SCALE 2/1	SHT. 1 OF 5	NEXT HIGHWAY POST.
DATE	2-23-55	2-23-55	2-23-55	2-23-55	2-23-55	2-23-55	2-23-55	2-23-55	2-23-55
TITLE		MEMORY INVERTER							
SIZE CODE		NUMBER 5435603-0-0							
D		5							
P.C. DESIGN DATA BRD REV.		ETCH REV.							

8	7	6	5	4	3	H	0-0-302173	2	1
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REV	CHANGE NO	CHK

REV	SIZE CODE	DATE	BY	APP	REV	CHANGE NO	CHK
H	DUA	5413603-0-0					

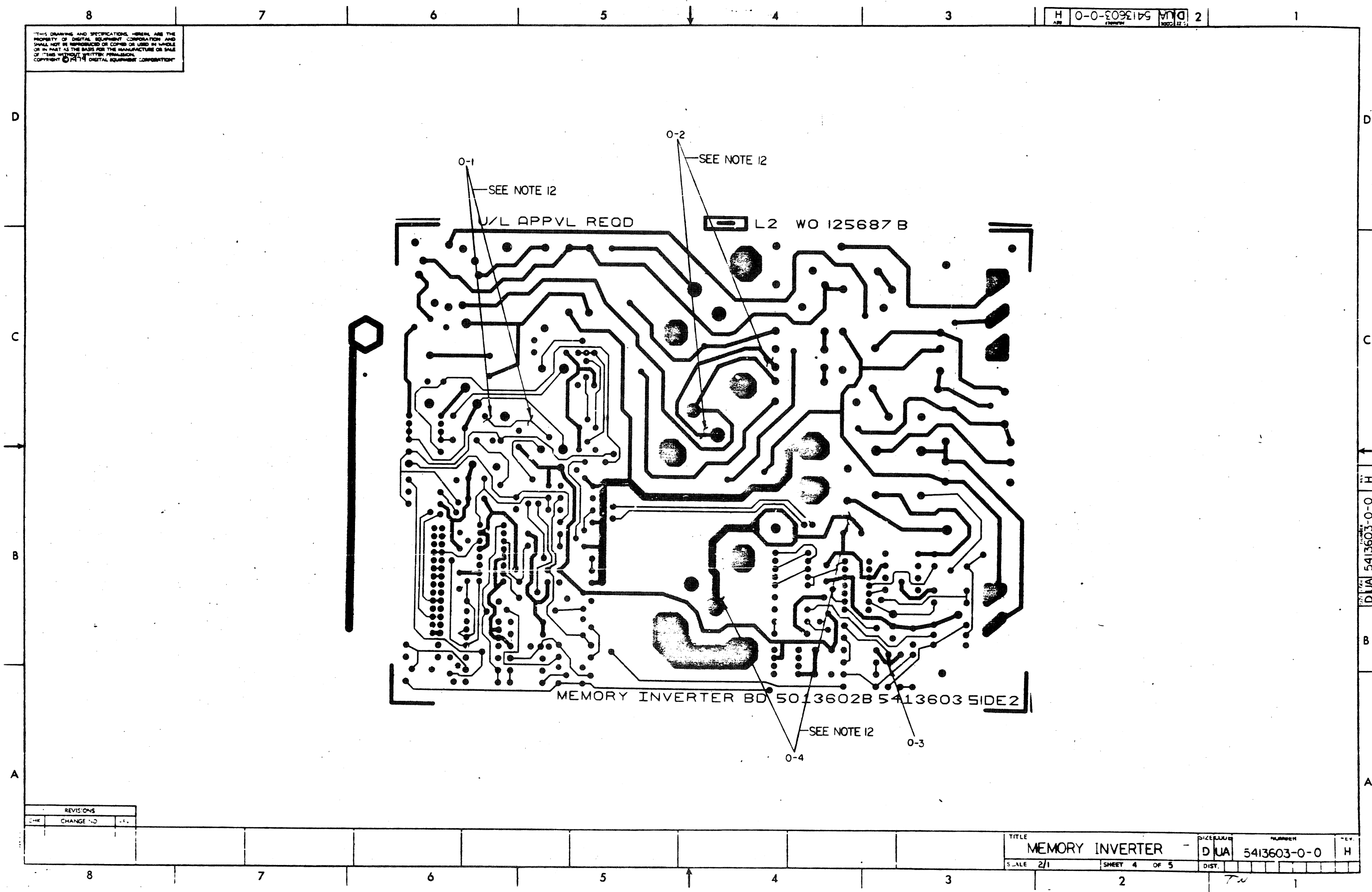


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REV	DATE	BY	APP	REV	CHANGE NO	CHK
H	DUA	5413603-0-0				

DUA 5413603-0-0 H

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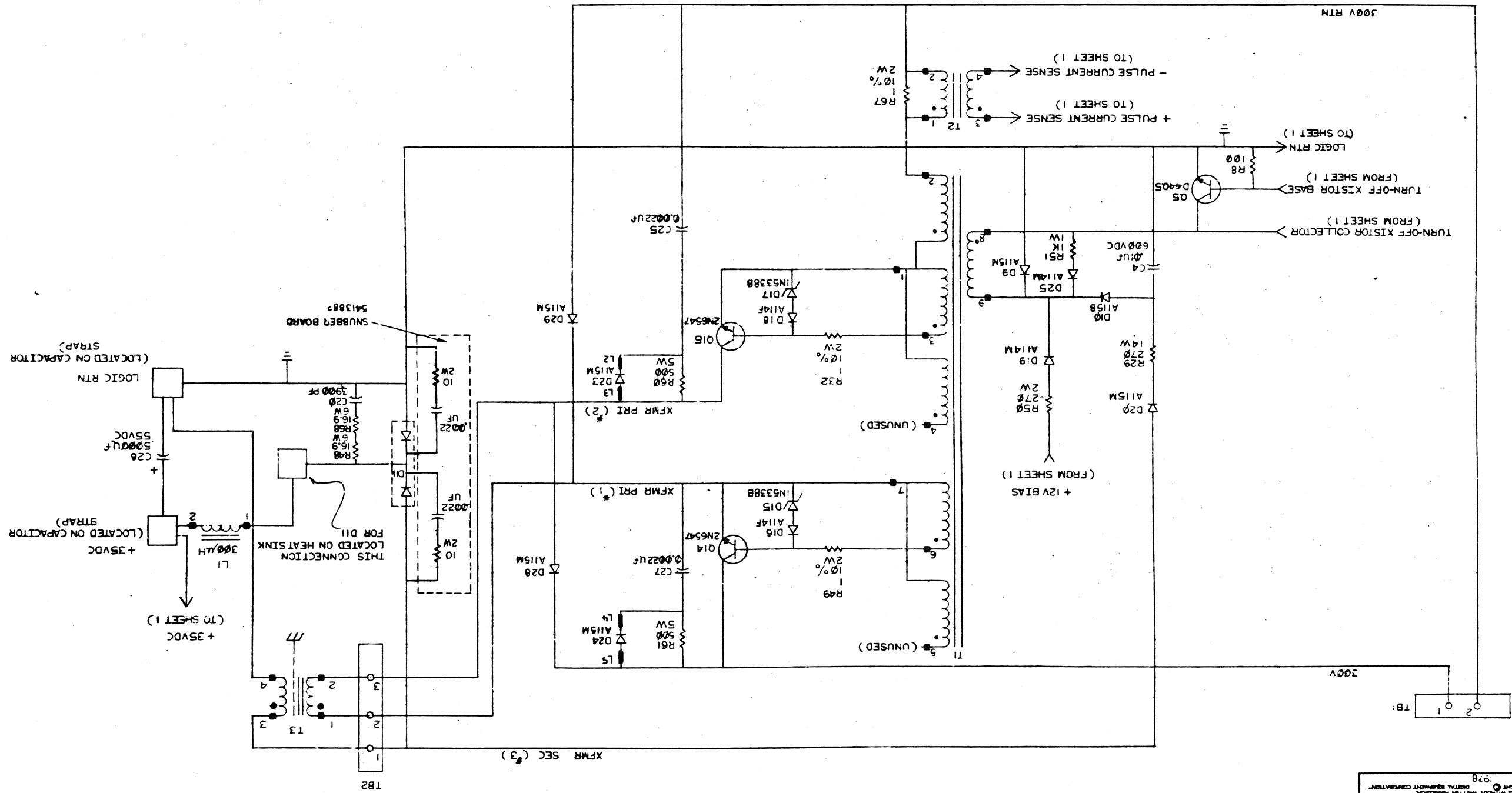
REVISIONS		
CHK	CHANGE NO	DATE

TITLE		DRAWING		NUMBER		REV.
MEMORY INVERTER		DUA		5413603-0-0		H
SCALE	2/1	SHEET	4	OF	5	DIST.

[illegible]

REV.	CHANGE NO.	CHK
REVISIONS		

SCALE		SHEET 2		OF 2		DST	
TITLE		MEMORY INVERTER		SIZE CODE		D CS 5413603-0-1	
NUMBER		NUMBER		REV.		J	



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2	DCS	5413603-0-1	J
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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-MD-5013602-0-0	5013602-00	DRILL & ETCH BD	1		
2	2		1000016-00	100.0 MMF 100V 5%200PPM MICA	1		C13
3	3		1000052-00	.068 MFD 100V 10% MYLR	1		C15
4	4	BLANK		*** THIS ITEM IS NOT USED ***	-		
5	5		1005636-00	22 MFD 6V 10% S.TANT	1		C2
6	6		1009312-00	.0047 MFD 100V 1% MYLR	1		C12
7	7		1010279-00	.47 MFD 25V 20% CER	8		C7,C18,C19,C8,C14,C17,C3,C6
8	8		1010978-24	.01 MFD 50V 10% CER	1		C10
9	9		1011740-01	3300.0 MMF 50V 10% CER	1		C16
10	10		1011683-00	.022 MFD 50V 10% CER	2		C1,C24
11	11		1013466-08	680.0 MMF 50V 10% X7R CER	1		C21
12	12		1013466-09	1000.0 MMF 50V 10% X7R CER	3		C5,C22,C26
13	13		1011847-02	.01 MFD 600V 10% POLYPROP	1		C4
14	14		1014139-00	.0022 MFD 600V 10% POLYPROP	2		C25,C27
15	15		1013397-00	3900.0 MMF 300V 10%200PPM MIC	1		C20
16	16		1016168-00	5000 MFD 55V 20% AL EL	1		C28
17	17		1010978-36	.1 MFD 50V 10% CER	1		C11
18	18		1010866-02	10 MFD 25V +50-20% S.TANT	2		C9,C23
19	19		1105275-00	PIV= 60 IO=300 MA -15NS	10	CONT	D26,D27,D21,D22,D8,D5,D3,D14, D13,D6
20	20		1105871-00	VZ= 5.15 1% 250 MW	1		D12
21	21		1109991-00	VZ= 6.8 5% 400 MW 1N754A	1		D7
22	22		1110856-00	VZ= 24.0 5% 400 MW 1N970B	2		D1,D2
23	23		1112594-01	PIV= 200 IO= 3.00A	1		D10
24	24		1112594-02	PIV= 600 IO= 3.00A	6		D24,D20,D23,D28,D29,D9
25	25		1112595-00	PIV= 50 IO= 1.00A AXIAL	2		D16,D18
26	26		1112595-02	PIV= 600 IO= 1.00A AXIAL	3		D25,D4,D19
27	27		1114192-00	PIV= 400 IO=15.00A TO-3	1		D11
28	28		1114435-00	VZ= 5.1 5% 5 W 1N5338	2		D15,D17
29	29		1110968-00	SCR PIV= 100 IO= .80A 2N5062	1		Q6

REVISION HISTORY			BASIC PART NO: 5413603			DRN: K.SHEYTANIAN			DATE: 20-DEC-78			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GAROFALO			DATE: 20-DEC-78			TITLE PARTS LIST		
---	INIT	A	SECTION VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE: 20-DEC-78			MEMORY INVERTER		
RW	5413603-TW001	B	[A] 00			RESP.ENG.: J.HERMANN			DATE: 20-DEC-78			DOCUMENT NUMBER		
AK	5413603-UW192!)	C	[B]			MFG.ENG.: J.COMELLA			DATE: 20-DEC-78			SIZE CODE NUMBER REV		
AK	5413603-TW002	C	[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: Z0401J.PLS		
RW	5413603-TW003	D	[D]			D-UA-5413603-0-0						EDIT # 39		
RW	5413603-TW004	E	[E]											
EC	5413603-TW005	F	[F]											
EC	5413603-TW006	H	[H]											
RH	5413603-TW06A	H	[J]											
RW	5413603-TW007	J	[K]											
			[L]											
			[M]											
			[N]											
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QTY PER VARIATION
REFERENCE DESIGNATOR

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
30	1216112-01	PCB,HEADER 28POS(1X28).156CC 90D	1	J1	
31	1214789-00	INSERT,THREAD	7		
32	1216269-01	TERM,SPADE .145STUD SOLDER	5		
33	1216314-00	HEAT SINKS,	1		
34	1216314-01	HEAT SINKS,	2		
35	1309679-00	16.90	2	R48,R68	
36	1300195-00	33.0	1	R26	
37	1300229-00	100.0	4	R16,R6,R8,R54	
38	1300250-00	*** THIS ITEM IS NOT USED ***	-		
39	1300257-00	150.0	1	R28	
40	1300271-00	220.0	1	R17	
41	1300292-00	300.0	1	R27	
42	1300309-00	390.0	2	R19,R41	
43	1300316-00	470.0	1	R3	
44	1300364-00	1.0	2	R4,R1	
45	1300365-00	1.0	7	R30,R11,R35,R18,R33,R40,R47	
46	1300394-00	1.50	1	R36	
47	1300439-00	3.30	2	R58,R14	
48	1300444-00	3.90	1	R65	
49	1300447-00	4.70	1	R38	
50	1300479-00	10.0	1	R24	
51	1301401-00	750.0	1	R52	
52	1301522-00	27.0	1	R15	
53	1303169-00	500.0	2	R60,R61	
54	1301972-00	270.0	1	R7	
55	1302873-00	261.0	1	R44	
56	1302377-00	*** THIS ITEM IS NOT USED ***	-		
57	1302383-00	360.0	1	R21	
58	1302391-00	20.0	2	R56,R45	
59	1304839-00	51.0	1	R64	
60	1303114-00	*** THIS ITEM IS NOT USED ***	-		
61	1303313-00	12.10	2	R37,R9	
62	1305127-00	4.0	2	R43,R2	
63	1305129-00	8.0	2	R42,R5	
64	1305145-00	2.80	1	R20	
65	1305322-00	*** THIS ITEM IS NOT USED ***	-		
66	1305380-00	270.0	1	R50	
67	1305421-00	35.70	1	R10	
68	1314350-00	1.0	3	R32,R49,R67	
69	1309413-00	3.83	1	R34	
70	1314172-00	270.0	1	R29	
71	1300426-00	2.70	1	R23	
72	1312565-00	13.30	1	R25	
73	1312923-00	*** THIS ITEM IS NOT USED ***	-		
74	1312930-00	5.10	1	R57	
75	1312932-00	36.0	1	R55	
76	1313151-00	3.60	1	R66	
77	1313581-00	110.0	1	R63	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	PL	DOCUMENT NUMBER	REV
									K		5413603-0-DBP	J

AUTOMATED BY PRTLST.2E(3)

P A R T S L I S T

SHEET A3 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
78	78		1300389-00	*** THIS ITEM IS NOT USED ***	-	
79	79		1302381-00	200.0 .50 W 5.0 % CF	1	R31
80	80		1300368-00	1.0 K 1.0 W 5.0 % CC	1	R51
81	81		1300391-00	1.50 K .25 W 5.0 % CF	2	R39,R22
82	82		1302395-00	56.0 K .25 W 5.0 % CF	1	R46
83	83		1510705-00	XA 05 NPN 500MW SI 60 50 P	4	Q7,Q8,Q11,Q16
84	84		1510706-00	XA 55 PNP 500MW SI 60 50 P	3	Q1,Q3,Q9
85	85		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q4
86	86		1513489-00	2N 4401 NPN 350MW SI 40 20	3	Q2,Q12,Q13
87	87		1514195-00	2N 6547 NPN 400V SI 15A	2	Q14,Q15
88	88		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q5
89	89		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1	Q10
90	90		1614202-00	XFMR,CURRENT	1	T2
91	91		1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T1
92	92		1910298-00	741 OP AMP GEN PURP. COM	1	E2
93	93		1912108-00	339 VOLT CMPRTR,QUAD	1	E3
94	94		1914250-00	3524 MODULATOR-REGULATING	1	E1
95	95		7422046-00	HEAT SINK,SINGLE	1	
96	96		9006025-01	SCREW,MACH PAN PHIL 6-	4	
97	97		9006656-00	WASHER,FLAT STEEL	9	
98	98		9007801-00	WASHER,HELICAL SPLIT SST	9	
99	99		9007836-00	EYELET,ROLLED 0.1210DX0.093	6	
100	100		9010128-00	SCREW,TAP PAN PHIL THD RL 4-	1	
101	101		7016051-00	TRANSFORMER ASSY	1	T3
102	102		7016052-00	CHOKE ASSY	1	L1
103	103		1303177-00	2.40 K .25 W 5.0 % CF	1	R13
104	104		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1	R12
105	105		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	1	R59
106	106		1300411-00	2.0 K .25 W 1.0 % RN55D-F10	1	R62
107	107		7421435-00	MTG BRKT	1	
108	108		9009052-00	*** THIS ITEM IS NOT USED ***	-	
109	109		7422045-00	CAPACITOR STRAP	2	
110	110		9009708-00	SCREW,TAP PAN PHIL THD RL 6-	7	
111	111		9009617-00	TIE,CABLE BUNDL DIA 0-3"TYPE=101	2	
112	112		9007035-00	GROMMET,CATERPILLAR POLYAMIDE	A/R	
113	113		9006071-01	SCREW,MACH PAN PHIL 10-	2	
114	114		9007906-00	WASHER,HELICAL SPLIT STEEL	2	
115	115		9009243-00	*** THIS ITEM IS NOT USED ***	-	
116	116		9007793-01	SCREW,MACH PAN PHIL 6-	1	
117	117		9009769-00	WASHER,RECTNGLR STEEL	1	
118	118		9006011-01	SCREW,MACH PAN PHIL 4-	1	
119	119		9006688-00	WASHER,HELICAL SPLIT SST	1	
120	120		9006556-00	NUT,HEX 4-40X .264AF SS/N	1	
121	121		9008268-00	COMPOUND, THERMAL JOINT	A/R	
122	122		9007201-00	PAD,MOUNTING,COMPONENT	1	
123	123		9105740-55	WIRE(WRAP) 30AWG KYNAR UL14	A/R	
124	124		9007036-00	GROMMET,CATERPILLAR POLYAMIDE	A/R	
125	125		1314516-00	200.0 K .25 W 5.0 % CF	1	R53

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY INVERTER		K	PL	5413603-0-DBP	J

SHEET A4 OF A4

QTY PER VARIATION

REFERENCE DESIGNATOR

DESCRIPTION

00

126	9009157-00	ADH,LIQ,RM,TEMP CURING COLORLESS	A/R
127	9107256-11	TUBING,TEFLON .027ID	A/R

127
128

128 7016920-00
129 9107560-01

130 9006565-00

131 9419882-00
132 9007853-01

133 9006803-00
134 9009708-01

135 1622663-01

```
NOTE: ITEM #123: .52, IS USED.
NOTE: ITEM #124: .08, IS USED.
NOTE: ITEM #127: .56, IS USED.
NOTE: ITEM #129: .37, IS USED.
```