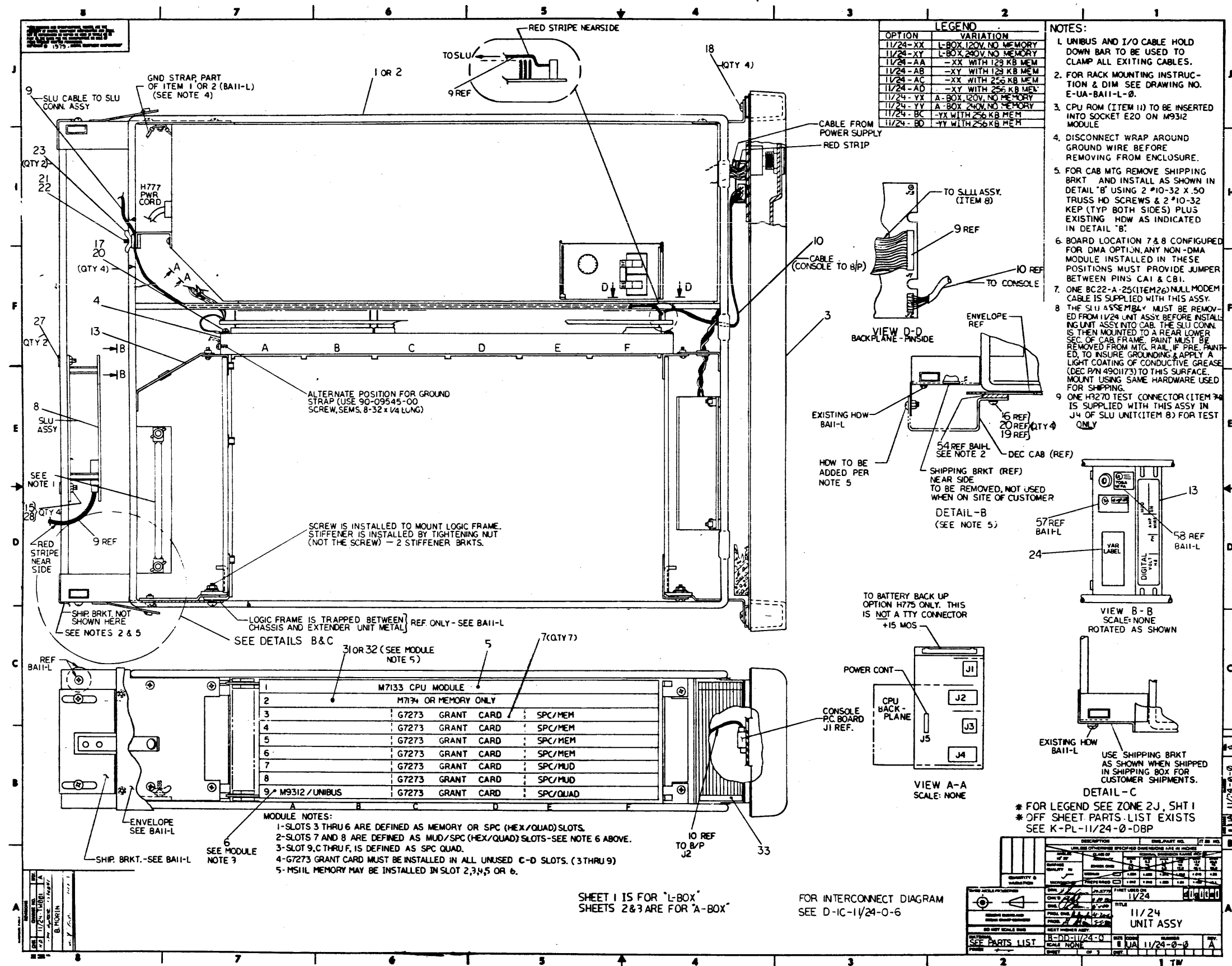
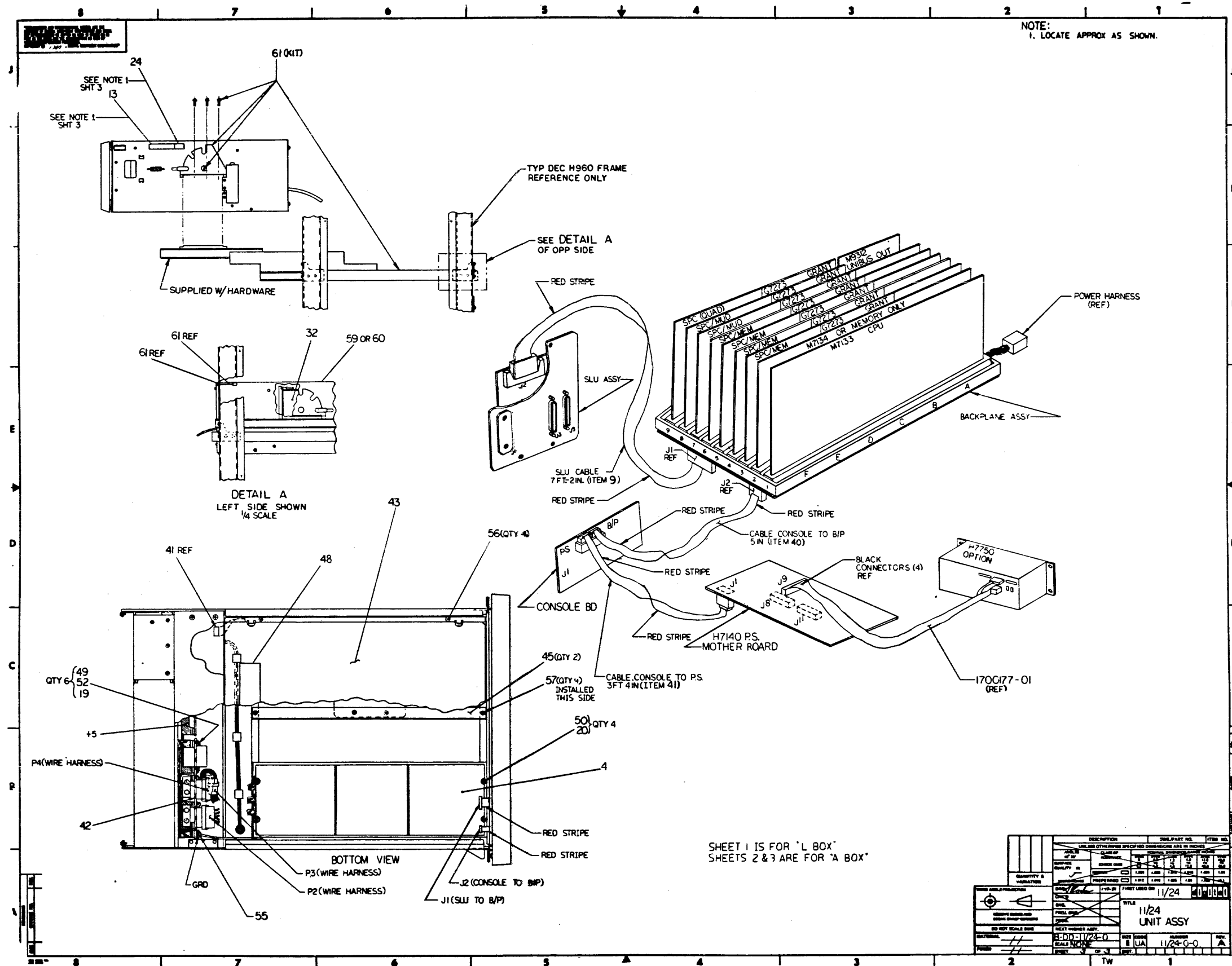






LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION								YX	YY	BC	BD
					XX	XY	AA	AB	AC	AD						
1	1	E-UA-BA11-L-0	OBA11-LX	5.25" BOX W H777-UA PS,120V	1	0	0	0	0	0	0	0	0	0	0	0
2	2	E-UA-BA11-L-0	OBA11-LY	5.25" BOX W H777-UB PS,240V	0	1	0	0	0	0	0	0	0	0	0	0
3	3	E-AD-7016958-0-0	7016958-03	11/25 5.25 CONSOLE ASSY.	1	1	0	0	0	0	0	0	0	0	0	0
4	4	D-AD-7016905-0-0	7016905-00	1124-L BACKPLANE ASSY.	1	1	0	0	0	0	1	1	0	0	0	0
5	5	D-IA-M7133-0-0	M7133-00	11/24 C.P.U.	1	1	0	0	0	0	1	1	0	0	0	0
6	6	D-UA-M9312-0-0	M9312-00	BOOTSTRAP TERMINATOR W 5 EMPTY R	1	1	0	0	0	0	1	1	0	0	0	0
7	7	D-UA-G7273-0-0	G7273-00	BUS GRANT & NON-PROCESSOR GRANT	7	7	0	0	0	0	7	7	0	0	0	0
8	8	D-AD-7017466-0-0	7017466-02	SLU ASSY. (2 SERIAL LINES)	1	1	0	0	0	0	1	1	0	0	0	0
9	9	D-IA-7012214-0-0	7012214-07	CABLE (SLU)	1	1	0	0	0	0	1	1	0	0	0	0
10	10	D-IA-7016962-0-0	7016962-00	CABLE ASSY B/P TO CONSOLE	1	1	0	0	0	0	0	0	0	0	0	0
11	11		23774F1-00	F1-01	1	1	0	0	0	0	1	1	0	0	0	0
12	13	A-DC-3615180-0-0	3615180-00	LABEL,SERIAL TAG FOR TYPEWRITER	1	1	0	0	0	0	1	1	0	0	0	0
13	14	A-PS-3700197-0-0	3700197-00	INSTR PKG COMPUTER PDF11/04 INTE	1	1	0	0	0	0	0	0	0	0	0	0
14	15		9006071-01	SCREW,PAN,PHIL 10-32X 3/8 SS	4	4	0	0	0	0	4	4	0	0	0	0
15	16		9006037-03	SCREW,TRUS,PHIL, 8-32X 3/8	0	0	REF	REF	REF	REF	0	0	0	0	0	0
16	17		9006043-01	SCREW,PAN,PHIL 8-32X1 SS	4	4	0	0	0	0	0	0	0	0	0	0
17	18		9006075-03	SCREW,TRUS,PHIL, 10-32X 3/4	4	4	0	0	0	0	4	4	0	0	0	0
18	19		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	0	0	REF	REF	REF	REF	6	6	0	0	0	0
19	20		9008072-00	WASHER, LOCK, EXTERNAL TOOTH #8	4	4	REF	REF	REF	REF	4	4	0	0	0	0
20	21	B-IA-7423591-0-0	7423591-00	CABLE, CLAMP BASE	1	1	0	0	0	0	0	0	0	0	0	0
21	22	B-MD-7423592-0-0	7423592-00	BAR CABLE CLAMP	1	1	0	0	0	0	0	0	0	0	0	0
22	23		9009711-00	NUT,WING , 6-32X 1/2 AF X 7	2	2	0	0	0	0	0	0	0	0	0	0
23	24	A-DC-3615946-0-0	3615946-00	LABEL,PRODUCT VARIATION	0	0	1	1	1	1	0	0	1	1	1	1
24	25	A-PS-3700061-0-0	3700061-00	INSTR PKG COMPUTER 11/05 OLD STY	0	0	1	1	1	1	0	0	0	0	0	0
25	26	B-PL-BC22A-0-0	BC22A-25	BC22A-10 EXCEPT 25 FT	0	0	1	1	1	1	0	0	1	1	1	1
26	27	C-MD-7424589-0-0	7424589-00	BRACKET SHIPPING SLU	2	2	0	0	0	0	0	0	0	0	0	0
27	28		9006565-00	NUT,KEP , 10-32X 3/8 AF	4	4	0	0	0	0	4	4	0	0	0	0
28	29	E-UA-11/24-0-0	11/24-XX	KDF11-UA,BA11-LX,M9312,120V	0	0	1	0	1	0	0	0	0	0	0	0
29	30	E-UA-11/24-0-0	11/24-XY	KDF11-UA,BA11-LY,M9312,240V (NO	0	0	0	1	0	1	0	0	0	0	0	0
30	31	D-UA-MS11-L-0	OMS11-LB	MS11-LB 64K 18 BIT MOS MEM W PAR	0	0	1	1	0	0	0	0	0	0	0	0

REVISION HISTORY			BASIC PART NO: 11/24		DRN: MARK CARROLL		DATE: 23-APR-80		D I G I T A L							
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: R.J.RILEY		DATE: 23-APR-80		TITLE PARTS LIST							
---	INITIAL	*	SECTION. VARIATION INDEX		CHK'D: R.J.RILEY		DATE: 23-APR-80		11/24 UNIT ASSEMBLY							
---	INITIAL	*	[A] XX,XY,AA,AB,AC,AD,													
BM	11/24-TW001	A	YX,YY,BC,BD													
BM	11/24-TW001	A	[B]		DES.ENG.: R. MORIN		DATE: 23-APR-80									
			[C]						DOCUMENT NUMBER							
			[D]		RESP.ENG.: R.GRUDA		DATE: 23-APR-80									
			[E]		MFG.ENG.: G. ABREU		DATE:		SIZE!CODE! NUMBER				REV			
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K ! PL ! 11/24-0-DBP				A			
					E-UA-11/24-0-0		B-DD-11/24-0-0		FILE NAME: Z0699.PLS				EDIT # 22			

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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION								YX	YY	BC	BD
					XX	XY	AA	AB	AC	AD						
31	32	D-UA-MS11-L-0	OMS11-LD	MS11-LD 128K 18 BIT MOS MEM W PA	0	0	0	0	1	1	0	0	1	1		
32	33	A-PS-3618175-0-0	3618175-01	LABEL-MODULE UTIL.	1	1	0	0	0	0	0	0	0	0	0	0
33	34	C-UA-H3270-0-0	H3270-00	TEST CONNECTOR	1	1	0	0	0	0	1	1	0	0		
34	35	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
35	36	E-UA-BA11-A-0	OBA11-AA	10.5"BOX,H7140-AA PS,120V LINE C	0	0	0	0	0	0	1	0	0	0		
36	37	E-UA-BA11-A-0	OBA11-AB	10.5"BOX,H7140-AB PS,240V LINE C	0	0	0	0	0	0	0	1	0	0		
37	38	E-AD-7016958-0-0	7016958-01	11/24 10.25 CONSOLE ASSY.	0	0	0	0	0	0	1	1	0	0		
38	39	A-PS-3618176-C-0	3618176-01	LABEL,MODULE UTIL.	0	0	0	0	0	0	1	1	0	0		
39	40	D-AD-7011411-0-0	7011411-0F	CABLE CONSOLE BACKPLANE	0	0	0	0	0	0	1	1	0	0		
40	41	D-AD-7011411-0-0	7011411-3D	CABLE, CONSOLE BACKPLANE	0	0	0	0	0	0	1	1	0	0		
41	42	D-UA-5413815-0-0	5413815-00	POWER DIST. BOARD ASSY.	0	0	0	0	0	0	1	1	0	0		
42	43	D-AD-7016479-0-0	7016479-00	BOTTOM COVER ASSY.	0	0	0	0	0	0	1	1	0	0		
43	44	D-MD-7421614-0-0	7421614-00	TOP COVER	0	0	0	0	0	0	1	1	0	0		
44	45	D-MD-7424842-0-0	7424842-00	RAIL,SLU,SHIPPING	0	0	0	0	0	0	2	2	0	0		
45	46	C-PS-1213304-0-0	1213304-00	FILTER,LINE 100UH,1000HMS	0	0	0	0	0	0	1	1	0	0		
46	47	A-PS-1216271-0-0	1216271-00	FILTER,FOAM 7.5 X 16.5	0	0	0	0	0	0	1	1	0	0		
47	48	A-DC-3615087-0-0	3615087-02	LABEL,"DANGER-HIGH CURRENT"	0	0	0	0	0	0	1	1	0	0		
48	49		9006039-01	SCREW,PAN,PHIL 8-32X 1/2 SS	0	0	0	0	0	0	6	6	0	0		
49	50		9006043-03	SCREW,TRUS,PHIL, 8-32X 1	0	0	0	0	0	0	4	4	0	0		
50	51		9006563-00	NUT,KEP , 8-32 X11/32AF	0	0	0	0	0	0	1	1	0	0		
51	52		9006690-00	WASHER, LOCK, S.S. #8	0	0	0	0	0	0	6	6	0	0		
52	53		9008185-00	NUT,KEP , 6-32X1/4 AF	0	0	0	0	0	0	2	2	0	0		
53	54		9009636-00	CLAMP, CABLE, FOR FLAT CABLE	0	0	0	0	0	0	6	6	0	0		
54	55		9009642-00	SCREW,PAN,PHIL,SEMS 8-32X 1/4	0	0	0	0	0	0	1	1	0	0		
55	56		9009701-00	SCREW,PAN,PHIL,SEMS 6-32X 5/1	0	0	0	0	0	0	8	8	0	0		
56	57		9009545-00	SCREW,PAN,PHIL,SEMS 8-32X 1/4	0	0	0	0	0	0	4	4	0	0		
57	58	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-
58	59	E-UA-11/24-YX-0	11/24-YX	KDF11-UA,BA11-AA,M9312,120V (NO	0	0	0	0	0	0	0	0	1	0		
59	60	E-UA-11/24-YY-0	11/24-YY	KDF11-UA,BA11-AB,M9312,240V (NO	0	0	0	0	0	0	0	0	0	1		
60	61	K-PL-7018133-0-DBP	7018133-00	BA11 SLIDE KIT	0	0	0	0	0	0	0	0	1	1		
61	62	A-SP-3700472-0-0	3700472-00	INSTR PKG COMPUTER(BA11-A)	0	0	0	0	0	0	1	1	0	0		
62	63	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-	-	-	-	-	-	-

D I G I T A L										TITLE		11/24 UNIT ASSEMBLY		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
																K	PL	11/24-0-DBP	A

TW

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES: RELEASED AT A "B" REV.			
MADE BY A. ROCHA DATE 10-DEC-80		CHECKED <i>RRM</i> DATE 15 JAN 81		SECTION		11/24-AA	11/24-AB	11/24-AC	11/24-AD	11/24-BC	11/24-BD								
ENG <i>RRM</i> DATE 15 JAN 81		PROD <i>J. J. J.</i> DATE 1-15-81		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF DESIGNATION															
1	EK-11-024-TM-001	MP00672	PDP 11/24 SYSTEM TECH MANUAL	1	1	1	1	1	1										
2			MS11-L PRINT SET	1	1	1	1	1	1										
3	EK-MS11L-UG-001		MS11-L MOS MEMORY USERS GUIDE	1	1	1	1	1	1										
4	B-TC-11/24-0-1	MP01018	FIED MAINT PRINT SET	1	1	1	1	1	1										
5	ZJ013-FR ZJ013-PB	(SHEET 6 & 7 ONLY)	11/24 BASIC CPU KIT (FICHE)	1	1	1	1	1	1										
			11/24 BASIC CPU KIT (PAPERTAPE)	1	1	1	1	1	1										
6	A-PS-1700163-00		BC22A-25 PRINT SET	1	1	1	1	1	1										
7	EK-M9312-TM	MP00617	TECH MANUAL (M9312)	1	1	1	1	1	1										
8			M9312 PRINT SET	1	1	1	1	1	1										
9	EK-BALL1L-MM-PRE		BALL-L MAINT. MANUAL	1	1	1	1	-	-										
10	EK-BALL1A-TM-001		BALL-A USER'S GUIDE	-	-	-	-	1	1										
11	A-SP-H7750-0-3		BATTERY BACK-UP INSTALLATION	-	-	-	-	1	1										
12	A-SP-BALL-AJ-03		CONVERSION KIT (120V-240V)	-	-	-	-	1	1										
E.C.O. NO. 11/24-TW001																			
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:							
MADE BY DATE		A. ROCHA 10-DEC-80		CHECKED DATE		R. MORIN 12-NOV-80		SECTION		ISSUED SECTION		ITEMS 1 THRU 4 MOUNT L-BOX ENVELOPE TO CABINET REAR RAILS AND ITEM 5 AND 6 MOUNT ENVELOPE TO CABINET FRONT RAILS.											
ENG DATE		R. MORIN 12-NOV-80		PROD DATE		1-15-81																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	11/24-0-4													REF DESIGNATION						
1	B-MD-7418259-0-0	7418259-00	SPACER ENCLOSURE	4																			
2		9006037-03	SCREW,TR HD,PN 8.32x.38LG	4																			
3		9006660-00	WASHER, FLAT NO. 8	4																			
4		9008072-00	WASHER, LOCK,EXT TH. NO. 8	4																			
5		9006071-03	SCREW, TR HD, PH, 10-32x.38LG	4																			
6		9007786-00	RETAINER, U-NUT, 10-32	4																			
			(BAG & TAG KIT FORM)																				
E.C.O. NO.	11/24- TW001																						
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV											

TW

NOTE: J1, J2, J3, J4 OF BA11-A POWER DISTRIBUTION BD. (54-13632), AND J1 PINS 1-8 AND J2 OF 11/24 POWER DISTRIBUTION BD. (54-13815), TO BE USED FOR EXPANSION.

BA11-A POWER DISTRIBUTION BD
54-13632

POWER SUPPLY
H7140
MOTHER BOARD
54-13615

11/24 POWER DISTRIBUTION BD
54-13815

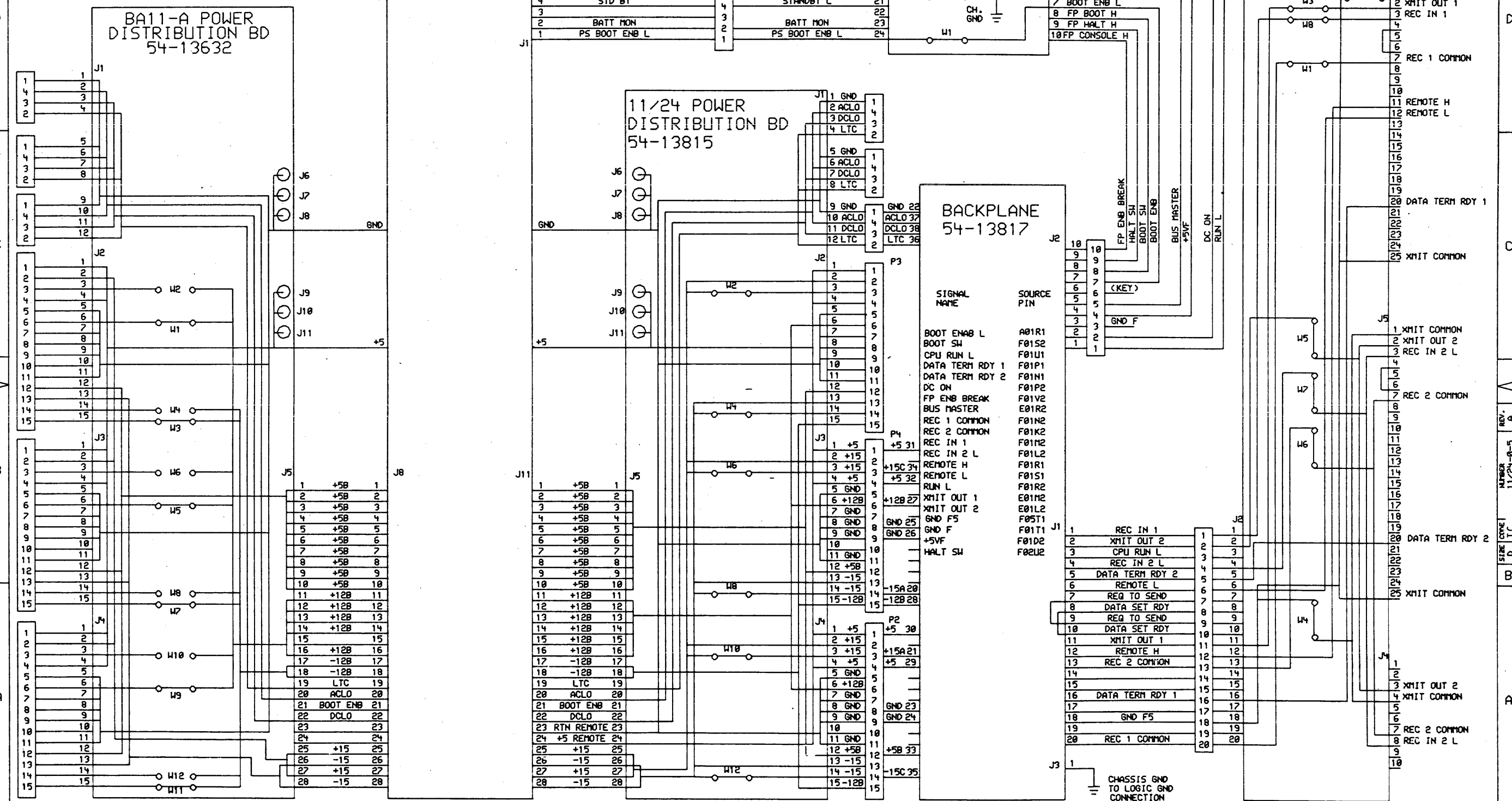
CONSOLE MODULE
54-14441

SLU INTERFACE
54-14218

BACKPLANE
54-13817

SIGNAL NAME	SOURCE PIN
BOOT ENAB L	A01R1
BOOT SW	F01S2
CPU RUN L	F01U1
DATA TERM RDY 1	F01P1
DATA TERM RDY 2	F01N1
DC ON	F01P2
FP ENB BREAK	F01V2
BUS MASTER	E01R2
REC 1 COMMON	F01N2
REC 2 COMMON	F01K2
REC IN 1	F01M2
REC IN 2 L	F01L2
REMOTE H	F01R1
REMOTE L	F01S1
RUN L	F01R2
XMIT OUT 1	E01M2
XMIT OUT 2	E01L2
GND F5	F01T1
GND F	F01D2
+5V	F02U2
HALT SW	

1	REC IN 1	1	1
2	XMIT OUT 2	2	2
3	CPU RUN L	3	3
4	REC IN 2 L	4	4
5	DATA TERM RDY 2	5	5
6	REMOTE L	6	6
7	REQ TO SEND	7	7
8	DATA SET RDY	8	8
9	REQ TO SEND	9	9
10	DATA SET RDY	10	10
11	XMIT OUT 1	11	11
12	REMOTE H	12	12
13	REC 2 COMMON	13	13
14		14	14
15		15	15
16	DATA TERM RDY 1	16	16
17		17	17
18	GND F5	18	18
19		19	19
20	REC 1 COMMON	20	20

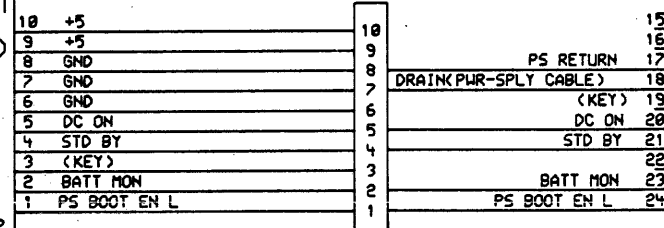


REVISIONS
CHK CHANGE NO. REV
11/24-TNK 01 A
REVISED AND
REL RAVN

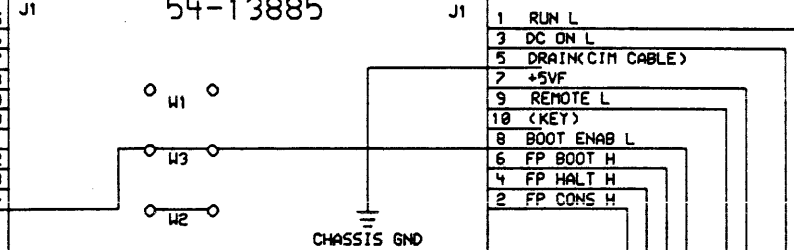
digital	DATE 01-MAR-81	ENG	DATE 01-MAR-81	TITLE: 11/24 INTER-CONNECT DRW
1166.6001 NEUKEN DRU	02-MAR-81 10:03	BOARD LOCATION:	SHEET 1 OF 1	SIZE CODE D IC
FIRST USED ON OPTION MODEL:	11/24	NEXT HIGHER ASSEMBLY:	NUMBER 11/24-0-5	REV. A

SILVER R. C156.6001 NEUKEN DPL. SCALE 2. "0" RELEASE BOX
SILVER R. NEUKEN. PLOT 156.6001 J 01-MAR-81 00156

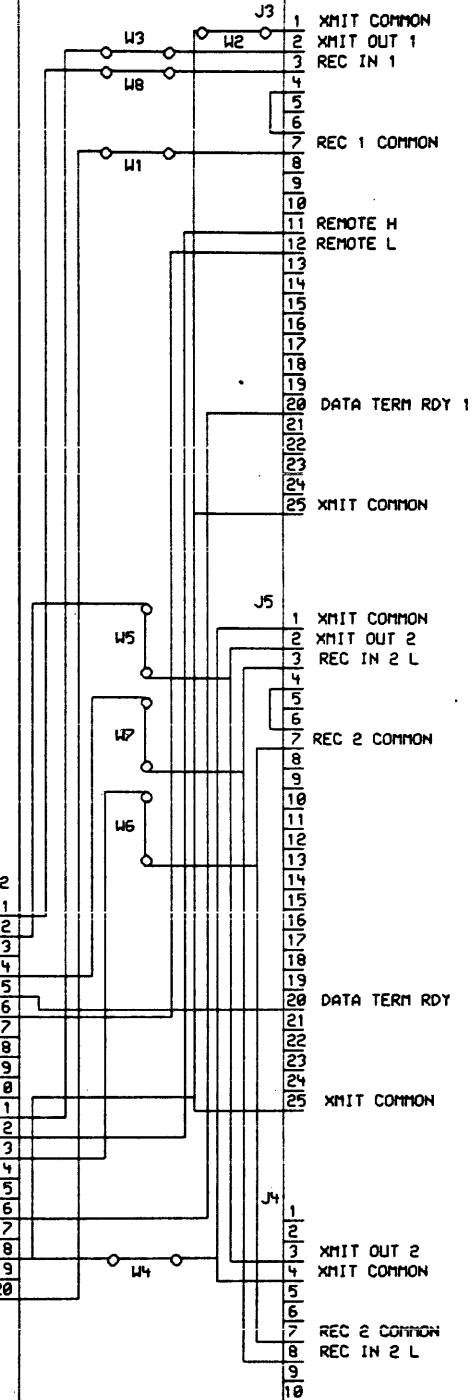
POWER SUPPLY
H777
MOTHER BOARD
54-11597



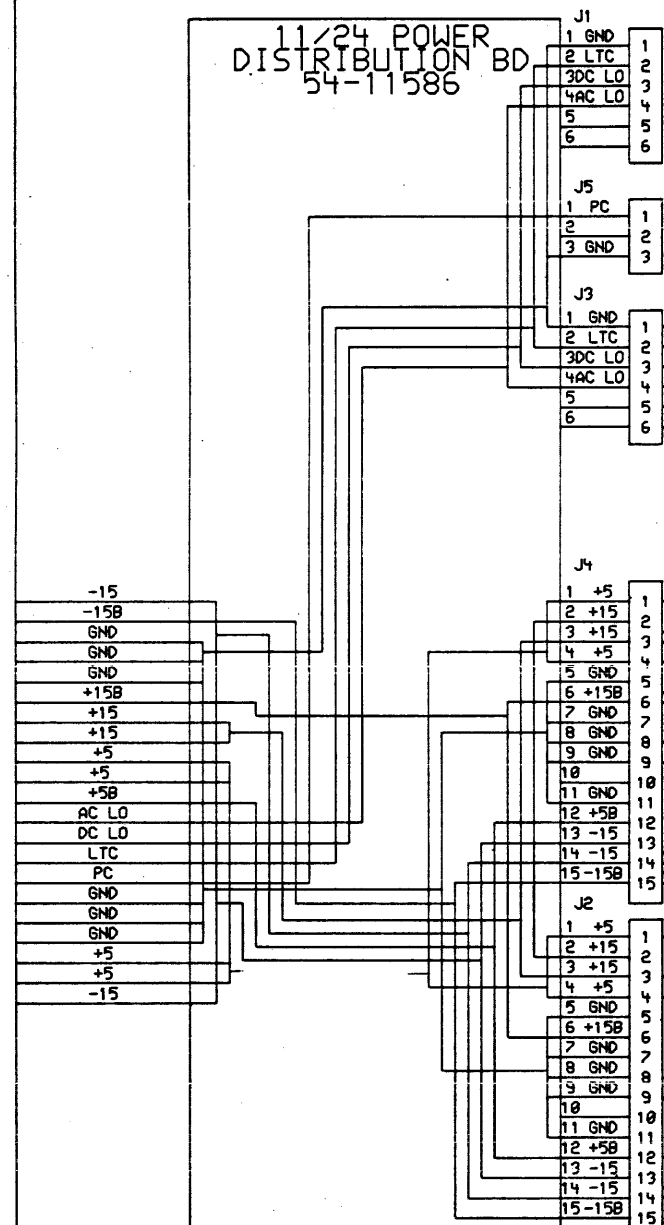
CONSOLE BOARD
54-13885



SLU INTERFACE
54-14218



11/24 POWER
DISTRIBUTION BD
54-11586



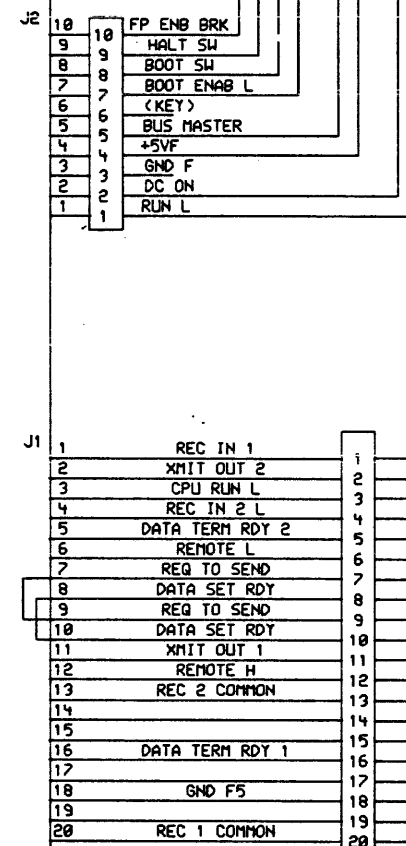
BACKPLANE
54-13817

SIGNAL NAME

BOOT ENB L
BOOT SW
CPU RUN L
DATA TERM RDY 1
DATA TERM RDY 2
DC ON
FP ENB BREAK
BUS MASTER
REC 1 COMMON
REC 2 COMMON
REC IN 1
REC IN 2 L
REMOTE H
REMOTE L
RUN L
XMIT OUT 1
XMIT OUT 2
GND F5
GND F
+5V
HALT SW

SOURCE PIN

A01R1
F01S2
F01U1
F01P1
F01N1
F01P2
F01V2
E01R2
F01N2
F01K2
F01M2
F01L2
F01R1
F01S1
F01R2
E01N2
E01L2
F05T1
F01T1
F01D2
F02U2



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REVISIONS

CHK	CHANGE NO.	REV

REVISED AND
RECRW

digital

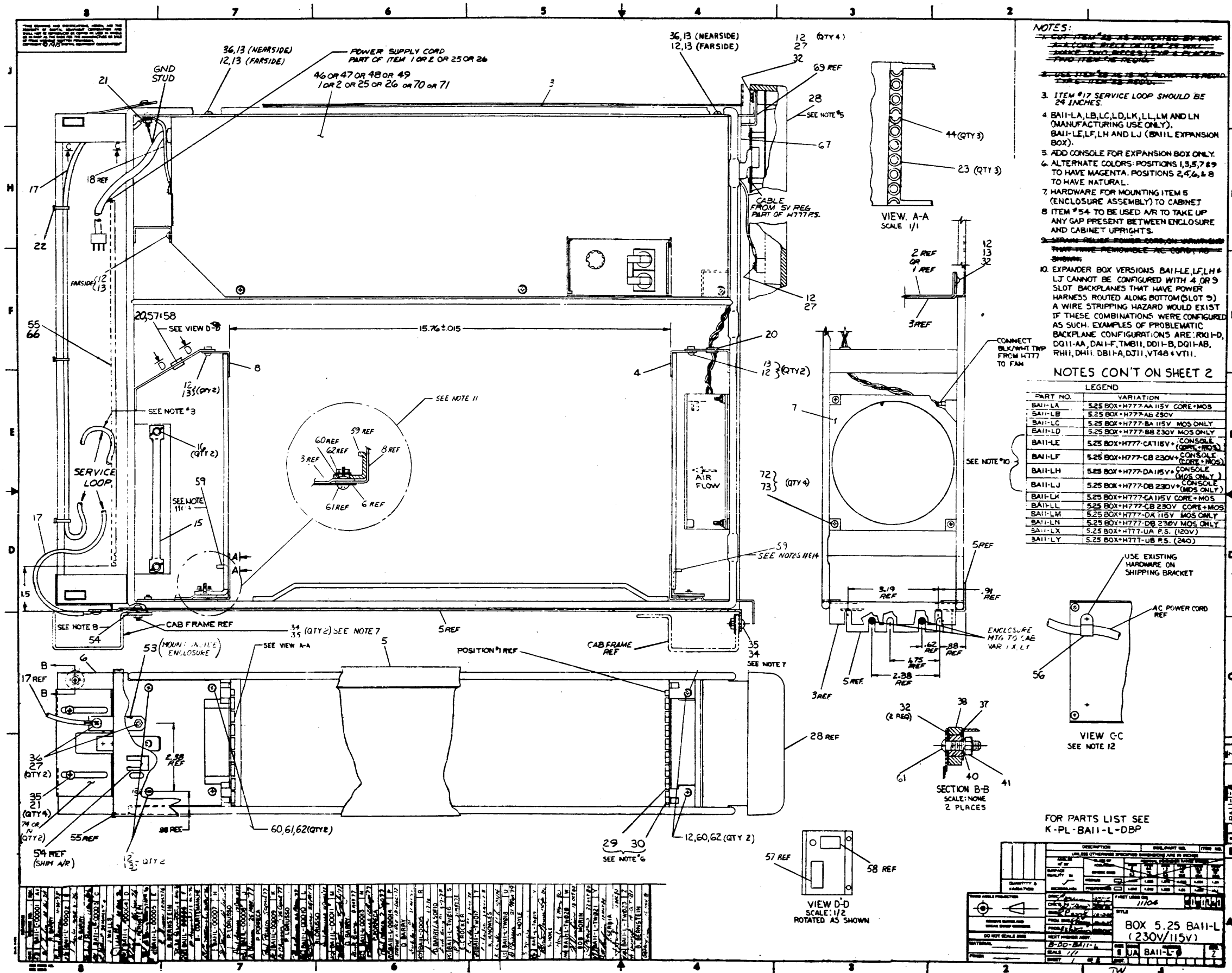
DATE 02-MAR-81
DATE 03-MAR-81
DATE 03-MAR-81

ENG. [Signature]
CHK'D. [Signature]
DRW. [Signature]

11/24 INTER
CONNECT DRW

11/24-0-6

REV. A



AUTOMATED BY FRTLST.3P(44)

P A R T S L I S T

SHEET A1 OF A2

				QUANTITY PER VARIATION												
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	LA	LB	LC	LD	LE	LF	LH	LJ	LK	LL	LM	LN
1	1	E-UA-H777-DA-0	0H777-DA	H777-BA EXCEPT +5V 32A,120V	0	0	0	0	0	0	1	0	0	0	1	0
		E-UA-H777-DB-0	0H777-DB	H777-BB EXCEPT +5V 32A,240V	0	0	0	0	0	0	0	1	0	0	0	1
		E-IA-7013038-0-0	7013038-00	CHASSIS ASSY	1	1	1	1	1	1	1	1	1	1	1	1
		C-IA-7012653-0-0	7012653-00	RIGHT SIDE MODULE FRAME	1	1	1	1	1	1	1	1	1	1	1	1
		D-AD-7011132-0-0	7011132-00	ENCLOSURE ASSY	1	1	1	1	1	1	1	1	1	1	1	1
		D-IA-7013039-0-0	7013039-00	EXTENSION CHASSIS ASSY	1	1	1	1	1	1	1	1	1	1	1	1
		SEE NOTE 15 (ON UA)	1217715-02	FAN, TUBE AXIAL 110V 120CFM 4.5"	1	1	1	1	1	1	1	1	1	1	1	1
		C-IA-7012846-0-0	7012846-00	LEFT SIDE MODULE FRAME	1	1	1	1	1	1	1	1	1	1	1	1
		BLANK			0	0	0	0	0	0	0	0	0	0	0	0
		BLANK			0	0	0	0	0	0	0	0	0	0	0	0
		BLANK			0	0	0	0	0	0	0	0	0	0	0	0
			9006037-03	SCREW, TRUS, PHIL, 8-32X 3/8	11	11	11	11	15	15	15	15	11	11	11	11
			9006634-00	WASHER, LOCK, INT, .2300D X .172ID	14	14	14	14	14	14	14	14	14	14	14	14
		BLANK			0	0	0	0	0	0	0	0	0	0	0	0
		B-MD-7413846-0-0	7413846-00	BAR CABLE STRAIN RELIEF	1	1	1	1	1	1	1	1	1	1	1	1
			9009711-00	NUT WING 6-32X 1/2 AF X 7	2	2	2	2	2	2	2	2	2	2	2	2
		C-IA-7011412-0-0	7011412-03	CHASSIS GND CABLE (BA11-L)	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
		C-IA-7011412-0-0	7011412-0F	CHASSIS GND CABLE (BA11-L)	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
		C-MD-7414963-0-0	7414963-00	BRKT SHIPPING & CAB MTG	2	2	2	2	2	2	2	2	2	2	2	2
			9007015-00	GROMMET, RUBBER	2	2	2	2	2	2	2	2	2	2	2	2
			9006565-00	NUT, KEP 10-32X 3/8 AF	7	7	7	7	7	7	7	7	7	7	7	7
			9007031-00	TIE, CABLE BUNDL.DIA 0- 3/4"=101	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
			1211630-00	CARD GUIDE	3	3	3	3	3	3	3	3	3	3	3	3
		BLANK			0	0	0	0	0	0	0	0	0	0	0	0
		E-UA-H777-CA-0	0H777-CA	H777-AA EXCEPT +5V 32A,120V	0	0	0	0	0	0	0	0	0	0	0	0
		E-UA-H777-CB-0	0H777-CB	H777-AB EXCEPT +5V 32A,240V	0	0	0	0	0	0	0	0	0	0	0	0
			9008072-00	WASHER, LOCK, EXTERNAL TOOTH #8	3	3	3	3	7	7	7	7	3	3	3	3
		D-AD-7012540-0-0	7012540-00	CONSOLE ASSY EXPANDER BOX	3	3	3	3	7	7	7	7	3	3	3	3
			1212405-04	CARD GUIDE, NYLON	4	4	4	4	4	4	4	4	4	4	4	4
			1212405-05	CARD GUIDE, NYLON	5	5	5	5	5	5	5	5	5	5	5	5

REVISION HISTORY		BASIC PART NO: OBA11		DRN: G. MARINI		DATE: 3-SEP-75		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF B	CHK'D: D. HEALY		DATE: 30-SEP-75		TITLE PARTS LIST	
INITIAL		Z	SECTION. VARIATION INDEX					BOX 5.25 BA11-L (230V/115V)	
			(A) LA, LB, LC, LD, LE, LF, LH, LJ, LK, LL, LM, LN	DES.ENG.: R. BARRY		DATE: 2-OCT-75			
			(B) LX, LY	RESP.ENG.: R.K. PETERSON		DATE: 2-OCT-75		DOCUMENT NUMBER	
			(C)	MFG.ENG.: R.K. PETERSON		DATE: 2-OCT-75		SIZE: CODE: NUMBER REV	
			(D)	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #	
			(E)	E-UA-BA11-L-0				Z3025Z.PLS 7	
			(F)						
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AUTOMATED BY PRTLST.3P(44)

P A R T S L I S T

SHEET A2 OF A2

AUTOMATED BY PRTLST.3P(44)				PARTS LIST		QUANTITY PER VARIATION												
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	LA	LB	LC	LD	LE	LF	LH	LJ	LK	LL	LM	LN		
31		BLANK	9006666-00	WASHER, FLAT, .500 OD X .187 ID	0	0	0	0	0	0	0	0	0	0	0	0		
32		BLANK	9007786-00	RETAINER, U-NUT, 10-32	10	10	10	10	10	10	10	10	10	10	10	10		
33			9006071-03	SCREW, TRUS, PHIL, 10-32X 3/8	10	10	10	10	10	10	10	10	10	10	10	10		
34			9006035-03	SCREW, TRUS, PHIL, 8-32X 1/4	10	10	10	10	10	10	10	10	10	10	10	10		
35		B-MD-7417606-0-0	7417606-00	SLEEVE ROLLER	10	10	10	10	10	10	10	10	10	10	10	10		
36		B-MD-7417607-0-0	7417607-00	ROLLER	10	10	10	10	10	10	10	10	10	10	10	10		
37		BLANK	9006690-00	WASHER, LOCK, S.S. #8	10	10	10	10	10	10	10	10	10	10	10	10		
38			9006561-00	NUT, HEX 8-32 X5/16AF X 7	10	10	10	10	10	10	10	10	10	10	10	10		
39			3700061-00	INSTR PKG COMPUTER 11/05 OLD STY	10	10	10	10	10	10	10	10	10	10	10	10		
40			3700133-00	INSTR PKG COMPUTER INPLANT 1105	10	10	10	10	10	10	10	10	10	10	10	10		
41		C-MD-7418077-0-0	7418077-00	3 POSITION CARD GUIDE	10	10	10	10	10	10	10	10	10	10	10	10		
42		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
43		E-UA-H777-BA-0	0H777-BA	11/04 POWER SUPPLY, MOS ONLY, NO +	10	10	10	10	10	10	10	10	10	10	10	10		
44		E-UA-H777-BB-0	0H777-BB	11/04 POWER SUPPLY, MOS ONLY, NO +	10	10	10	10	10	10	10	10	10	10	10	10		
45		E-UA-H777-AA-0	0H777-AA	BA11-L POWER SUPPLY, +5V 25A, +20V	10	10	10	10	10	10	10	10	10	10	10	10		
46		E-UA-H777-AB-0	0H777-AB	240V H777-AA	10	10	10	10	10	10	10	10	10	10	10	10		
47		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
48		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
49		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
50		B-IA-7418258-0-0	7418258-00	GROUND STRAP	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
51		B-MD-7418259-0-0	7418259-00	SPACER INCLOSURE	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
52			9007035-00	GROMMET #122-37-1500	10	10	10	10	10	10	10	10	10	10	10	10		
53			9007083-00	CLAMP, CABLE, SCREW MTD. 3/8 "	10	10	10	10	10	10	10	10	10	10	10	10		
54		A-PS-3613211-0-0	3613211-01	DECAL, CLEAR PREPRINTED CSA 1-1/4	10	10	10	10	10	10	10	10	10	10	10	10		
55		A-DC-7416197-0-0	7416197-01	DECAL	10	10	10	10	10	10	10	10	10	10	10	10		
56		C-MD-7419019-0-0	7419019-00	BRACKET, MODULE FRAME STIFFENING	10	10	10	10	10	10	10	10	10	10	10	10		
57			9006668-00	WASHR, FLAT 5/8 ODX 13/64IDX.032	10	10	10	10	10	10	10	10	10	10	10	10		
58			9006040-03	SCREW, TRUS, PHIL, 8-32X 5/8	10	10	10	10	10	10	10	10	10	10	10	10		
59			9006563-00	NUT, KEP 8-32X 11/13AF	10	10	10	10	10	10	10	10	10	10	10	10		
60		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
61		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
62		BLANK			10	10	10	10	10	10	10	10	10	10	10	10		
63			9009157-00	ADH. LIQ. RM. TEMP CURING COLORLESS	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
64			1212707-00	FILTER, AIR, FOAM, 30PPI, 16.75X4.5X	10	10	10	10	10	10	10	10	10	10	10	10		
65			9007032-00	TIE, CABLE BUNDL DIA 0-1-3/4"=101	10	10	10	10	10	10	10	10	10	10	10	10		
66			7414962-00	BRKT FILTER SUPPORT	10	10	10	10	10	10	10	10	10	10	10	10		
67		C-MD-7414962-0-0	0H777-UA	11/24 PS: +5V 32A, +15V 3A, -15V 3	10	10	10	10	10	10	10	10	10	10	10	10		
68		E-UA-H777-UA-0	0H777-UB	11/24 PS: +5V 32A, +15V 3A, -15V 3	10	10	10	10	10	10	10	10	10	10	10	10		
69		E-UA-H777-UB-0	9006025-02	SCREW, FLAT, PHIL, 6-32X 5/8	10	10	10	10	10	10	10	10	10	10	10	10		
70			9009165-00	CLIP, FAN MOUNTING (12-05033 FAN	10	10	10	10	10	10	10	10	10	10	10	10		
71			7425811-00	BRACKET, SHIPPING, 11/24	10	10	10	10	10	10	10	10	10	10	10	10		
72					10	10	10	10	10	10	10	10	10	10	10	10		
73					10	10	10	10	10	10	10	10	10	10	10	10		
74		C-MD-7425811-0-0	7425811-00		10	10	10	10	10	10	10	10	10	10	10	10		

D	I	G	I	T	A	L	TITLE	SECTION A OF B	SIZE	CODE	DOCUMENT NUMBER	REV
							BOX 5.25 BA11-L (230V/115V)		K	PL	BA11-L-DBP	Z

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					LX	LY
1	1	E-UA-H777-DA-0	0H777-DA	H777-BA EXCEPT +5V 32A,120V	0	0
2	2	E-UA-H777-DB-0	0H777-DB	H777-BB EXCEPT +5V 32A,240V	0	0
3	3	E-IA-7013038-0-0	7013038-00	CHASSIS ASSY	1	1
4	4	C-IA-7012653-0-0	7012653-00	RIGHT SIDE MODULE FRAME	1	1
5	5	D-AD-7011132-0-0	7011132-00	ENCLOSURE ASSY	1	1
6	6	D-IA-7013039-0-0	7013039-00	EXTENSION CHASSIS ASSY	1	1
7	7	SEE NOTE 15 (ON UA)	1217715-02	FAN, TUBE AXIAL 110V 120CFM 4.5"	1	1
8	8	C-IA-7012846-0-0	7012846-00	LEFT SIDE MODULE FRAME	1	1
9	9	BLANK			0	0
10	10	BLANK			0	0
11	11	BLANK			0	0
12	12		9006037-03	SCREW, TRUS, PHIL, 8-32X 3/8	12	12
13	13		9006634-00	WASHER, LOCK, INT, .23000 X .172ID	12	12
14	14	BLANK			0	0
15	15	B-MD-7413846-0-0	7413846-00	BAR CABLE STRAIN RELIEF	1	1
16	16		9009711-00	NUT, WING 6-32X 1/2 AF X 7	2	2
17	17	C-IA-7011412-0-0	7011412-03	CHASSIS GND CABLE (BA11-L)	REF	REF
18	18	C-IA-7011412-0-0	7011412-0F	CHASSIS GND CABLE (BA11-L)	REF	REF
19	19	C-MD-7414963-0-0	7414963-00	BRKT SHIPPING & CAB MTG	0	0
20	20		9007015-00	GROMMET, RUBBER	5	5
21	21		9006565-00	NUT, KEP 10-32X 3/8 AF	A/R	A/R
22	22		9007031-00	TIE, CABLE BUNDL. DIA 0- 3/4"=101	A/R	A/R
23	23		1211630-00	CARD GUIDE	3	3
24	24	BLANK			0	0
25	25	E-UA-H777-CA-0	0H777-CA	H777-AA EXCEPT +5V 32A,120V	0	0
26	26	E-UA-H777-CB-0	0H777-CB	H777-AB EXCEPT +5V 32A,240V	0	0
27	27		9008072-00	WASHER, LOCK, EXTERNAL TOOTH #8	3	3
28	28	D-AD-7012540-0-0	7012540-00	CONSOLE ASSY EXPANDER BOX	0	0
29	29		1212405-04	CARD GUIDE, NYLON	5	5
30	30		1212405-05	CARD GUIDE, NYLON	5	5

REVISION HISTORY		BASIC PART NO: 0BA11		DRN: G. MARINI	DATE: 3-SEP-75	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION B OF B	DATE: 30-SEP-75		TITLE	
---	INITIAL	Z	SECTION. VARIATION INDEX	CHK'D: D. HEALY	BOX 5.25 BA11-L (230V/115V)		PARTS LIST
			[A] LA, LB, LC, LD, LE, LF, LH, LJ, LK, LL, LM, LN	DES. ENG.: R. BARRY	DATE: 2-OCT-75		
			[B] LX, LY	RESP. ENG.: R.K. PETERSON	DATE: 2-OCT-75	DOCUMENT NUMBER	
			[C]	MFG. ENG.: R.K. PETERSON	DATE: 2-OCT-75	SIZE: CODE: K PL	NUMBER
			[D]	ASSEMBLY NUMBER: E-UA-BA11-L-0	TOP DOCUMENT NUMBER:	FILE NAME: 230252.PLS	REV
			[E]				Z
			[F]				7
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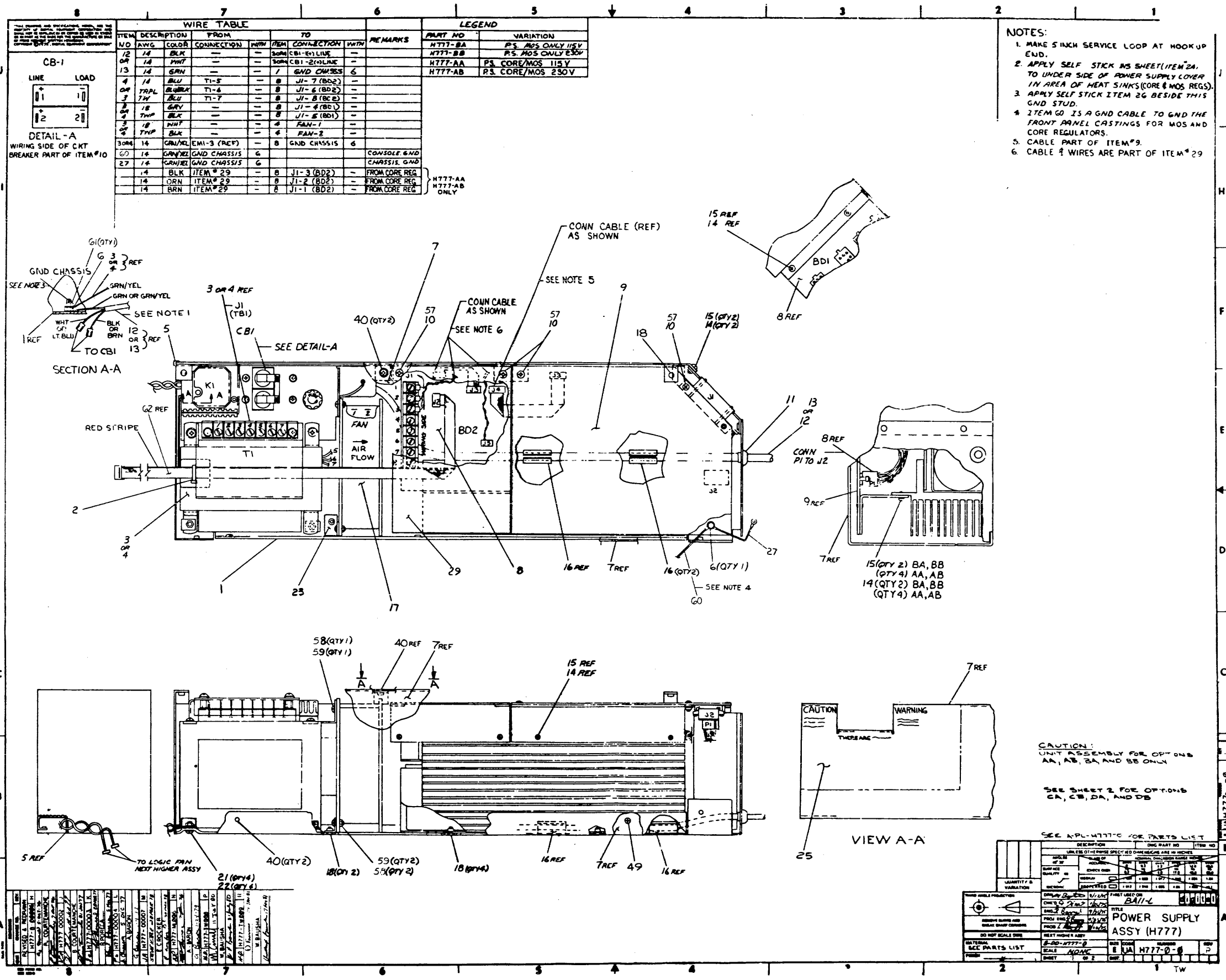
AUTOMATED BY PRTLST.3P(44)

PARTS LIST

SHEET B2 OF B2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	LX	LY
31		BLANK	9006666-00	WASHER, FLAT, .500 OD X .187 ID	0	0	0
32		BLANK	9007786-00	RETAINER, U-NUT, 10-32	10	10	0
33			9006071-03	SCREW, TRUS, PHIL, 10-32X 3/8	10	10	0
34			9006035-03	SCREW, TRUS, PHIL, 8-32X 1/4	10	10	0
35		B-MD-7417606-0-0	7417606-00	SLEEVE ROLLER	2	2	0
36		B-MD-7417607-0-0	7417607-00	ROLLER	2	2	0
37		BLANK	9006690-00	WASHER, LOCK, S.S. #8	2	2	0
38			9006561-00	NUT, HEX, 8-32 X5/16AF X 7	2	2	0
39			3700061-00	INSTR PKG COMPUTER 11/05 OLD STY	2	2	0
40			3700133-00	INSTR PKG COMPUTER INPLANT 1105	2	2	0
41		C-MD-7418077-0-0	7418077-00	3 POSITION CARD GUIDE	2	2	0
42		BLANK			0	0	0
43		-UA-H777-BA-0	0H777-BA	11/04 POWER SUPPLY, MOS ONLY, NO +	0	0	0
44		-UA-H777-BB-0	0H777-BB	11/04 POWER SUPPLY, MOS ONLY, NO +	0	0	0
45		-UA-H777-AA-0	0H777-AA	BA11-L POWER SUPPLY, +5V 25A, +20V	0	0	0
46		-UA-H777-AB-0	0H777-AB	240V H777-AA	0	0	0
47		BLANK			0	0	0
48		BLANK			0	0	0
49		BLANK			0	0	0
50		B-IA-7418258-0-0	7418258-00	GROUND STRAP	A/R	A/R	1
51		B-MD-7418259-0-0	7418259-00	SPACER INCLOSURE	A/R	A/R	1
52			9007035-00	GROMMET #122-37-1500	1	1	1
53			9007083-00	CLAMP, CABLE, SCREW MTD. 3/8 "	1	1	1
54		A-PS-3613211-0-0	3613211-01	DECAL, CLEAR, PREPRINTED CSA 1-1/4	1	1	1
55		A-DC-7416197-0-0	7416197-01	DECAL	1	1	1
56		C-MD-7419019-0-0	7419019-00	BRACKET, MODULE FRAME STIFFENING	2	2	2
57			9006668-00	WASHER, FLAT 5/8 ODX 13/64IDX.032	4	4	4
58			9006040-03	SCREW, TRUS, PHIL, 8-32X 5/8	4	4	4
59			9006563-00	NUT, KEP 8-32X 11/13AF	4	4	4
60		BLANK			0	0	0
61		BLANK			0	0	0
62		BLANK			0	0	0
63			9009157-00	ADH. LIQ. RM. TEMP CURING COLORLESS	A/R	A/R	1
64			1212707-00	FILTER, AIR, FOAM, 30PPI, 16.75X4.5X	A/R	A/R	1
65			9007032-00	TIE, CABLE BUNDL, DIA 0-1-3/4"=101	2	2	2
66			7414962-00	BRKT FILTER SUPPORT	2	2	2
67		C-MD-7414962-0-0	0H777-UA	11/24 PS: +5V 32A, +15V 3A, -15V 3	1	1	1
68		E-UA-H777-UA-0	0H777-UB	11/24 PS: +5V 32A, +15V 3A, -15V 3	1	1	1
69		E-UA-H777-UB-0	9006025-02	SCREW, FLAT, PHIL, 6-32X 5/8	4	4	4
70			9009165-00	CLIP, FAN MOUNTING (12-05033 FAN	2	2	2
71			7425811-00	BRACKET, SHIPPING, 11/24	2	2	2
72		C-MD-7425811-0-0					
73							
74							

D	I	G	I	T	A	L	TITLE	BOX 5.25 BA11-L (230V/115V)	SECTION B OF B	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	BA11-L-DBP	Z



CB-1

LINE	LOAD
1	10
2	20

DETAIL-A
WIRING SIDE OF CKT
BREAKER PART OF ITEM #10

WIRE TABLE										LEGEND	
ITEM NO	DESCRIPTION	FROM	TO	CONNECTION	REMARKS	PART NO	VARIATION				
12	14	BLK	304	CB1-K1 LINE	H777-BA	P.S. MOS ONLY 115V					
13	14	WHT	304	CB1-K20 LINE	H777-BB	P.S. MOS ONLY 230V					
14	14	GRN	1	GND CHASSIS	H777-AA	P.S. CORE/MOS 115V					
15	14	BLU	1	GND CHASSIS	H777-AB	P.S. CORE/MOS 230V					
16	14	TRPL	1	GND CHASSIS							
17	14	TRPL	1	GND CHASSIS							
18	14	GRY	1	GND CHASSIS							
19	14	TRPL	1	GND CHASSIS							
20	14	TRPL	1	GND CHASSIS							
21	14	TRPL	1	GND CHASSIS							
22	14	TRPL	1	GND CHASSIS							
23	14	TRPL	1	GND CHASSIS							
24	14	TRPL	1	GND CHASSIS							
25	14	TRPL	1	GND CHASSIS							
26	14	TRPL	1	GND CHASSIS							
27	14	TRPL	1	GND CHASSIS							
28	14	TRPL	1	GND CHASSIS							
29	14	TRPL	1	GND CHASSIS							
30	14	TRPL	1	GND CHASSIS							
31	14	TRPL	1	GND CHASSIS							
32	14	TRPL	1	GND CHASSIS							
33	14	TRPL	1	GND CHASSIS							
34	14	TRPL	1	GND CHASSIS							
35	14	TRPL	1	GND CHASSIS							
36	14	TRPL	1	GND CHASSIS							
37	14	TRPL	1	GND CHASSIS							
38	14	TRPL	1	GND CHASSIS							
39	14	TRPL	1	GND CHASSIS							
40	14	TRPL	1	GND CHASSIS							
41	14	TRPL	1	GND CHASSIS							
42	14	TRPL	1	GND CHASSIS							
43	14	TRPL	1	GND CHASSIS							
44	14	TRPL	1	GND CHASSIS							
45	14	TRPL	1	GND CHASSIS							
46	14	TRPL	1	GND CHASSIS							
47	14	TRPL	1	GND CHASSIS							
48	14	TRPL	1	GND CHASSIS							
49	14	TRPL	1	GND CHASSIS							
50	14	TRPL	1	GND CHASSIS							
51	14	TRPL	1	GND CHASSIS							
52	14	TRPL	1	GND CHASSIS							
53	14	TRPL	1	GND CHASSIS							
54	14	TRPL	1	GND CHASSIS							
55	14	TRPL	1	GND CHASSIS							
56	14	TRPL	1	GND CHASSIS							
57	14	TRPL	1	GND CHASSIS							
58	14	TRPL	1	GND CHASSIS							
59	14	TRPL	1	GND CHASSIS							
60	14	TRPL	1	GND CHASSIS							
61	14	TRPL	1	GND CHASSIS							
62	14	TRPL	1	GND CHASSIS							
63	14	TRPL	1	GND CHASSIS							
64	14	TRPL	1	GND CHASSIS							
65	14	TRPL	1	GND CHASSIS							
66	14	TRPL	1	GND CHASSIS							
67	14	TRPL	1	GND CHASSIS							
68	14	TRPL	1	GND CHASSIS							
69	14	TRPL	1	GND CHASSIS							
70	14	TRPL	1	GND CHASSIS							
71	14	TRPL	1	GND CHASSIS							
72	14	TRPL	1	GND CHASSIS							
73	14	TRPL	1	GND CHASSIS							
74	14	TRPL	1	GND CHASSIS							
75	14	TRPL	1	GND CHASSIS							
76	14	TRPL	1	GND CHASSIS							
77	14	TRPL	1	GND CHASSIS							
78	14	TRPL	1	GND CHASSIS							
79	14	TRPL	1	GND CHASSIS							
80	14	TRPL	1	GND CHASSIS							
81	14	TRPL	1	GND CHASSIS							
82	14	TRPL	1	GND CHASSIS							
83	14	TRPL	1	GND CHASSIS							
84	14	TRPL	1	GND CHASSIS							
85	14	TRPL	1	GND CHASSIS							
86	14	TRPL	1	GND CHASSIS							
87	14	TRPL	1	GND CHASSIS							
88	14	TRPL	1	GND CHASSIS							
89	14	TRPL	1	GND CHASSIS							
90	14	TRPL	1	GND CHASSIS							
91	14	TRPL	1	GND CHASSIS							
92	14	TRPL	1	GND CHASSIS							
93	14	TRPL	1	GND CHASSIS							
94	14	TRPL	1	GND CHASSIS							
95	14	TRPL	1	GND CHASSIS							
96	14	TRPL	1	GND CHASSIS							
97	14	TRPL	1	GND CHASSIS							
98	14	TRPL	1	GND CHASSIS							
99	14	TRPL	1	GND CHASSIS							
100	14	TRPL	1	GND CHASSIS							

- NOTES:
1. MAKE 5 INCH SERVICE LOOP AT HOOKUP END.
 2. APPLY SELF STICK INS SHEET (ITEM 2A) TO UNDER SIDE OF POWER SUPPLY COVER IN AREA OF HEAT SINKS (CORE & MOS REGS).
 3. APPLY SELF STICK ITEM 2G BESIDE THIS GND STUD.
 4. ITEM 60 IS A GND CABLE TO GND THE FRONT PANEL CASTINGS FOR MOS AND CORE REGULATORS.
 5. CABLE PART OF ITEM #9.
 6. CABLE # WIRES ARE PART OF ITEM #29.

CAUTION:
UNIT ASSEMBLY FOR OPTIONS
AA, AB, BA AND BB ONLY

SEE SHEET 2 FOR OPTIONS
CA, CB, DA, AND DB

SEE APL-H777-C FOR PARTS LIST

ITEM NO	DESCRIPTION	QUANTITY	REMARKS
1	POWER SUPPLY ASSY (H777)	1	

POWER SUPPLY ASSY (H777)

SCALE: NONE

DATE: 11/11/77

BY: H777-0-0

REV: 0

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY <i>R Barry</i>		CHECKED D. HEALY		SECTION					
DATE <i>19 Aug 76</i>		DATE 29 JUL 76		1					
ENG <i>R Barry</i>		PROD				ISSUED SECT.			
DATE <i>26 Aug 76</i>		DATE		<i>26 Aug 76</i>		1			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION							
1	D-IA-7011248-0-0	CHASSIS ASSY P.S.							
2	9007031-05	TIE WRAP							
3	D-AD-7011075-0-0	A/C INPUT ASSY (120V)							
4	D-AD-7011075-1-0	A/C INPUT ASSY (230V)							
5	9007035	GROMMET CAT.							
6	9006563	NUT, KEPS #8 - 32							
7	E-MD-7413825-0-0	COVER, POWER SUPPLY							
8	D-AD-7011073-0-0	+5V REGULATOR ASSY							
9	D-CS-5411601-0-1	MOS. REG. H777							
10	9006021-01	SCR. PHL HD PAN #6 - 32 x .31							
11	9008509	STRAIN RELIEF							
12	D-IA-7012320-0	POWER CORD (115V)							
13	D-IA-7012320-1	POWER CORD (230V)							
14	9006022-1	SCR. PHIL HD PAN #6-32 x .38							
15	9006633	WASHER, INT. TOOTH #6							
16	9009771-02	CLAMP							
17	1217715-02	FAN, TUBE AXIAL 120V 120CFM 4.5" BALL BRG							
18	9006020-2	SCR. PHIL FLAT HD #6 - 32 x .25							
19	9008185	NUT, KEPS #6 - 32							
20	9006022-1	SCR. PHIL HD PAN #6 - 32 x .38							
21	9006074-3	SCR., PHIL TRUSS #10 - 32 x .62							
22	9007651	WASHER, EXT. TOOTH #10							
TITLE POWER SUPPLY ASSY (H777)		ASSY NO. E-UA-H777-0-0		SIZE CODE A PL		NUMBER H777-0-0		REV. ECO NO. H777- TW009	
		SHEET 1 OF 3		DIST.					

DEC FORM DEC 16-(325)-1031-N870
DRA 110

TW

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY <i>R Barry</i>		CHECKED D. HEALY		SECTION					
DATE <i>19 Aug 76</i>		DATE 29 JUL 76		1					
ENG <i>R Barry</i>		PROD				ISSUED SECT.			
DATE <i>26 Aug 76</i>		DATE		<i>26 Aug 76</i>		1			
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION							
23	C-IA-7413773-0-0	BRACKET, PAN							
24	1210984-05	INS SHEET 9.0±.1 X 1.5 ±.1							
25	B-DC-7414744-0-0	DECAL H777 P.S.							
26	A-PS-3612680-0-0	DECAL, CHASSIS GROUND							
27	C-IA-7011412-0F	CABLE, CHASSIS GROUND							
28	C-IA-7011412-1H	CABLE, CONSOLE GROUND							
29	D-CS-5411599-0-1	CORE REG. H777							
30	9007015	GROMMET							
31	D-IA-7417407-0-0	CHASSIS P.S.							
32	D-AD-7012910-0-0	A/C INPUT ASSY (120V)							
33	D-AD-7012910-1-0	A/C INPUT ASSY (230V)							
34	E-IA-7417018-0-0	COVER, POWER SUPPLY							
35	A-PS-1213773-0-0	AC RECEPTACLE							
36	A-PS-1212877-0-0	FILTER							
37	D-AD-7012909-0-0	+5V REGULATOR ASSY							
38	9009771-1-0	CABLE CLAMP							
39	9006024-01	SCREW, PAN #6 - 32 x .50							
40	9008404-2	SCR PHL FLAT HD #6 - 32 x .31							
41	9107253-02	TUBING, SHRINK (ORN)							
42	C-IA-7417288-0-0	WIRE A.C. CONN. JARNESS							
43	3617382-00	DECAL H777 P.S.							
44	9006037-1	SCR, PHIL PAN HD #8 - 32 x .38							
TITLE POWER SUPPLY ASSY (H777)		ASSY NO. E-UA-H777-0-0		SIZE CODE A PL		NUMBER H777-0-0		REV. ECO NO. H777- R	
		SHEET 2 OF 3		DIST.					

DEC FORM DEC 16-(325)-1031-N870
DRA 110

TW

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST					QUANTITY / VARIATION												
MADE BY		CHECKED D. HEALY		SECTION		H777-AA	H777-AB	H777-BA	H777-BB	H777-CA	H777-CB	H777-DA	H777-DB	H777-UA	H777-UB		
DATE		DATE 29 JUL 76		1													
ENG R. Barry 26 AUG 76		PROD RB King 26 AUG 76		ISSUED SECT. 1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															
45	9006634	WASHER INT. TOOTH LOCK #8				-	-	-	-	1	1	1	1	1	1		
46	D-IA-7013315-1	AC POWER CORD ASSEMBLY 250V				-	-	-	-	1	1	1	1	1	1		
47	9006011-1	SCR PH HD PAN #4 - 40 x .38				-	-	-	-	2	2	2	2	2	2		
48	9006632	WASHER INT. TOOTH LOCK #4				-	-	-	-	2	2	2	2	2	2		
49	9008020-02	SCR, PHIL FLAT HD. #6-32 x .18				1	1	1	1	-	-	-	-	-	-		
50	7011411-1L	CABLE, CONSOLE CONTROL				-	-	-	-	REF	REF	REF	REF	REF	REF		
51	9006022-03	SCR. PHIL. TRUSS #6-32 x .38				-	-	-	-	4	4	2	2	4	4		
52	C-IA-7013938-1	CABLE JUMPER				-	-	-	-	1	1	1	1	1	1		
53	C-IA-7013938-0	CABLE JUMPER				-	-	-	-	1	1	1	1	1	1		
54	C-IA-7013939-0	CABLE GROUNDING				-	-	-	-	1	1	1	1	1	1		
55	1700083-05	AC POWER CORD (120V)				-	-	-	-	1	-	1	-	1	-		
56	1700083-04	AC POWER CORD (240V)				-	-	-	-	-	1	-	1	-	1		
57	9006656	WASHER, FLAT				4	4	2	2	3	3	1	1	3	3		
58	9006025-01	SCR, PAN PHIL #6-32 x 5/8				3	3	3	3	3	3	3	3	3	3		
59	9006560	NUT, KEP #6-32				3	3	3	3	3	3	3	3	3	3		
60	7011412-3C	CABLE ASSY				1	1	1	1	-	-	-	-	-	-		
61	9006561	NUT, HEX #8-32				1	1	1	1	-	-	-	-	-	-		
62	7011414-1F	CABLE, CONSOLE CONTROL				REF	REF	REF	REF	-	-	-	-	-	-		
63	9009255-00	LABEL				1	1	1	1	1	1	1	1	1	1		
64	3614833	LABEL, WARNING				-	-	-	-	1	1	1	1	1	1		
65	5413764	± 15V REGULATOR				-	-	-	-	-	-	-	-	1	1		
66	3617413-00	ATTENTION LABEL				-	-	-	-	-	-	-	-	1	1		
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.		ECO NO.					
POWER SUPPLY ASSY (H777)		E-UA-H777-0-0		A	PL	H777-0-0				R							
		SHEET 3 OF 3		DIST.													

TW

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

EQUIPMENT CORP.
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY S. ROCHA	CHECKED D. HEALY	SECTION 1
DATE 29 JUL 76	DATE 2 AUG 76	
ENG R. COURTACHE	PROD R. BARRY	ISSUED SECT. 1
DATE 13 SEP 76	DATE 13 SEP 76	

[illegible]

TITLE	ASSY NO.		SIZE	CODE	NUMBER		REV.
	D-AD-7012909-0-0		A	PL	7012909-0-0		E
+5V REG ASSY	SHEET 1 OF 2		DIST.				761290 E 7012903

DEC FORM DEC 16-(325)-1031-N870
ORA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

**LEWIS M. CONRAD
MAYNARD, MASSACHUSETTS**

PARTS LIST

MADE BY S. ROCHA		CHECKED D. HEALY		SECTION
DATE	29 JUL 76	DATE	2 AUG 76	1
ENG R. COURTMACHIE		PROD R. BARRY		ISSUED SECT.
DATE	13 SEP 76	DATE	13 SEP 76	

[illegible]

TITLE	ASSY NO.		SIZE CODE	NUMBER	REV.	ECONO.
	D-AD-7012909-0-0		A PL	7012909-0-0	E	701290
+5V REG ASSY	SHEET 2	OF 2	DIST.			XL003

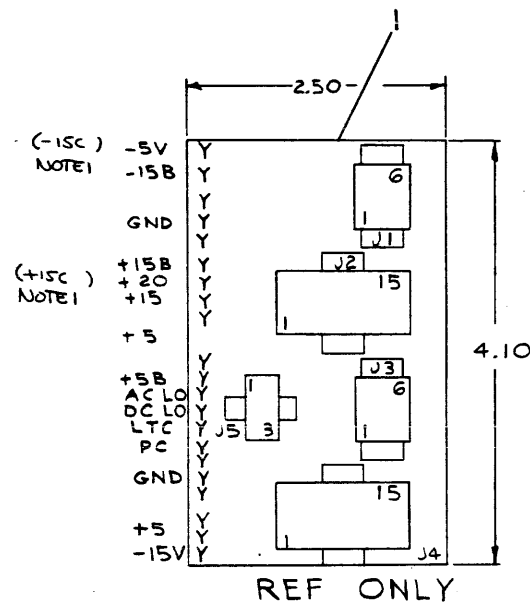
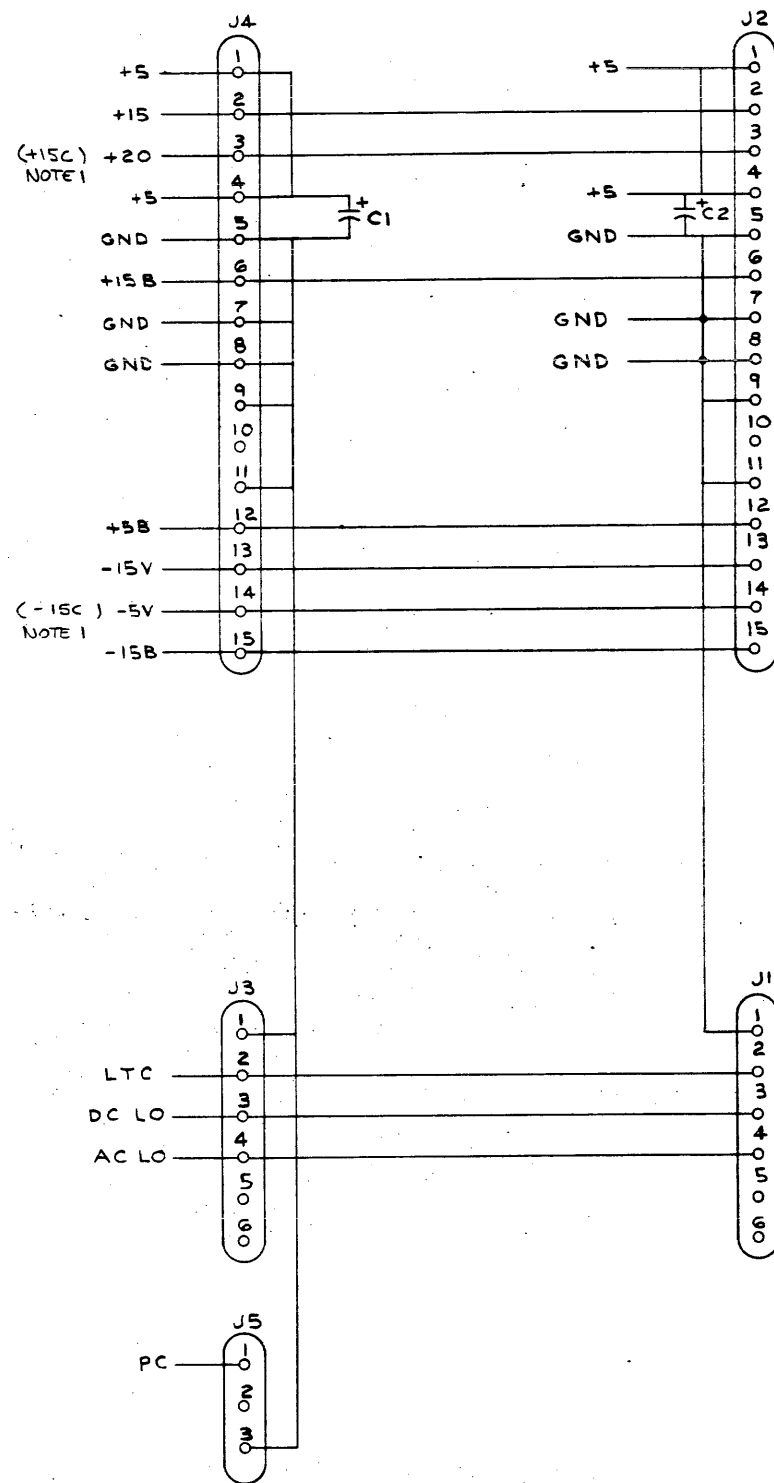
DEC FORM DEC 16-(325)-1031-N870
DRA 110

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CS 5411586-0-1

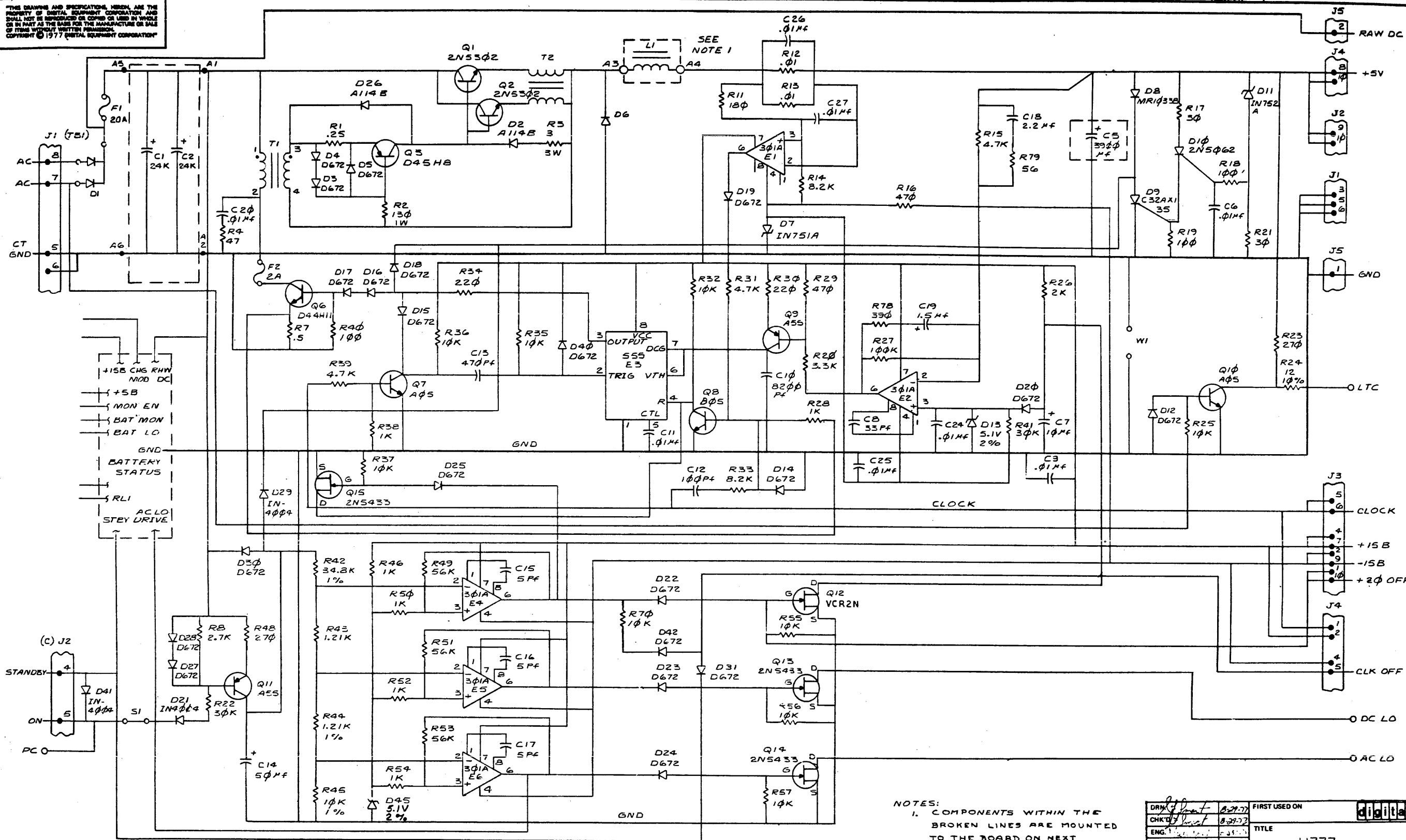
NOTES:

1. H777 UA, UB VARIATION ONLY $\pm 15C$ FROM THE 5413764 MODULE.



DRAWN: <i>F. Pagan</i> 1-20-79	FIRST USED ON: 11/84 PWR SUPP	digital
CHK'D: <i>F. Pagan</i> 1-20-79		
ENG: <i>R. Pagan</i> 1-20-79	TITLE: BOARD, POWER DISTRIBUTION H777	
PROD. ENG: <i>P. Pagan</i> 1-20-79		
PROD. <i>A. Pagan</i> 2-12-79		
NEXT HIGHER ASSY.		
SCALE: NONE	SIZE CODE: D	NUMBER: CS 5411586-0-1
SHEET: 1 OF 1	DIST.	REV. E

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NOTES:
1. COMPONENTS WITHIN THE
BROKEN LINES ARE MOUNTED
TO THE BOARD ON NEXT
HIGHER ASS'Y.

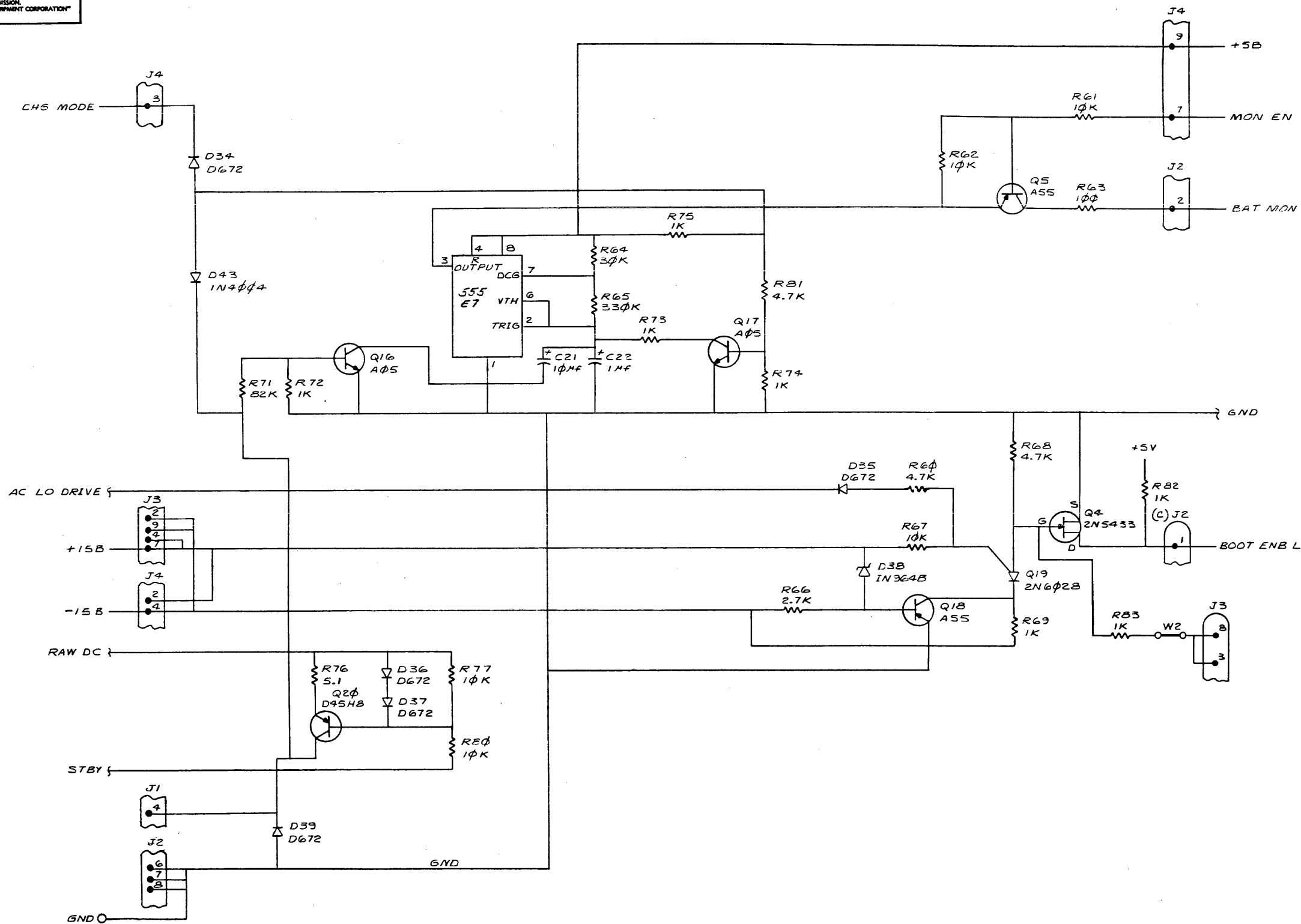
DRN	8-27-77	FIRST USED ON	Digital
CHKD	8-29-77	TITLE	H777
ENG.	8-31-77		+5V REGULATOR
PROJ. ENG.			
PROD.			

REVISIONS		
CHK	CHANGE NO.	REV.
Q1	5412667-00001	B
D. Zwickler 7/20/77	P. Grist 9 APR 78	
B. GIST	B. GIST	
Full Part BC 8 NOV 77	Full Part BC 17 OCT 78	
	E. CROCKER	
	A. BARON	
	G. Baron 1-22-79	
	A. Baron 2-26-79	

SIZE CODE	NUMBER	REV.
DCS	5412667-0-1	F

SCALE 1:1 SHEET 1 OF 2

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(BATTERY STATUS CRKT'S)

TITLE		H777		SIZE CODE		NUMBER		REV.	
+ 5V REGULATOR		D CS		5412667-0-1		F			
SCALE		1/1		SHEET		2 OF 2		DIST.	

REVISIONS		
CHK	CHANGE NO.	REV.

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LEGEND	
PART NO	VARIATION
7012910-0	120 V
7012910-1	230 V

WIRE CHART

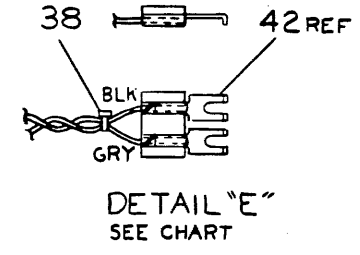
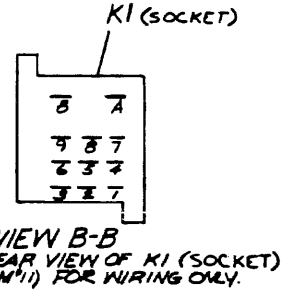
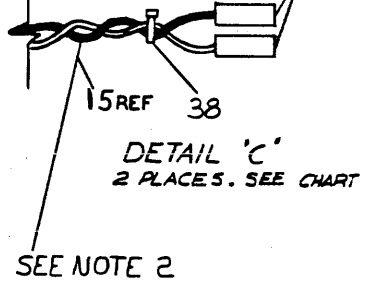
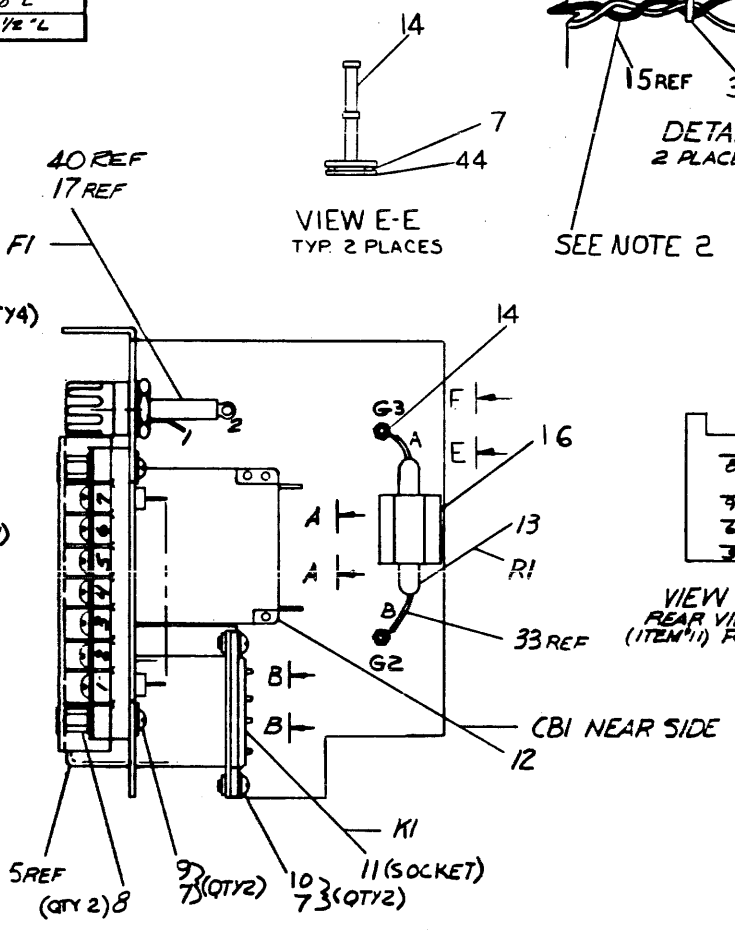
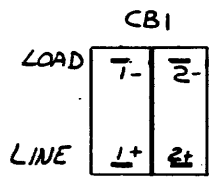
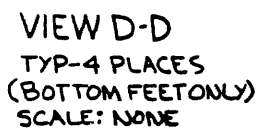
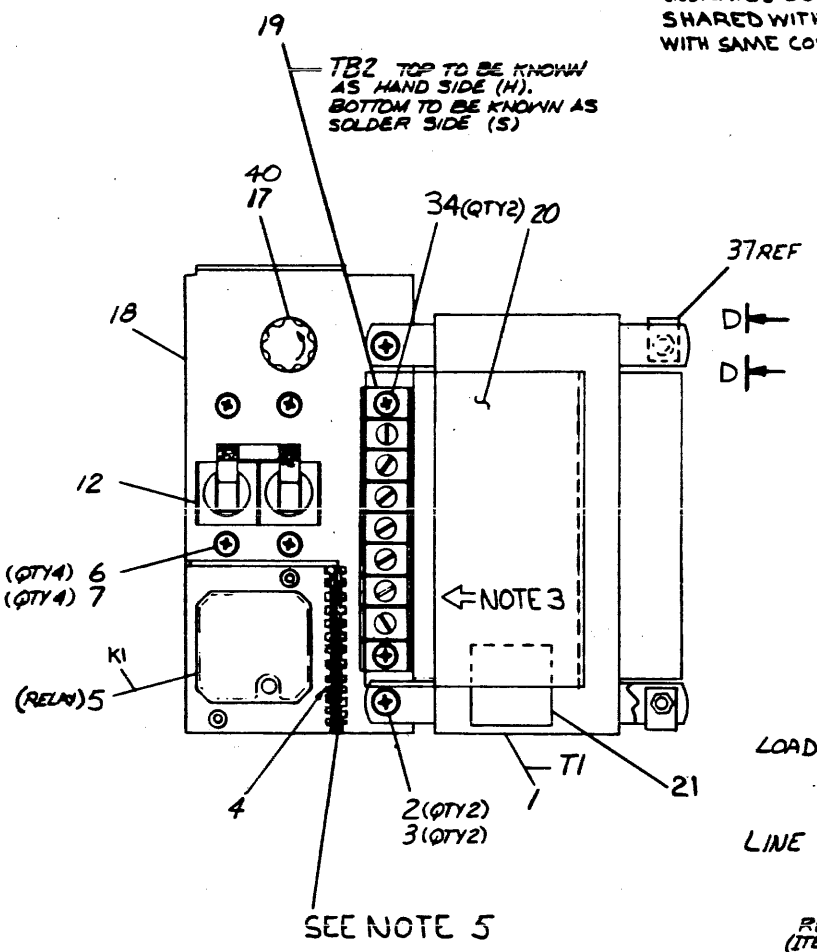
ITEM NO	DESCR		FROM		TO		REMARKS	ITEM NO	DESCR		FROM		TO		REMARKS	
	ANG	COLOR	CONN	WITH	CONN	WITH			ANG	COLOR	CONN	WITH	CONN	WITH		
22	18	OR/WH	K1-4	SOLD 31	*TB2-3S	SOLD	5 1/2' L	1	18	BLK	T1	—	TB2-1H	—	—	
23	18	GR/WH	K1-6		*TB2-4S	SOLD	5' L		18	BR/WH				TB2-3H	—	—
24	18	WH/OR	K1-7		TB2-5H	25,	9' L		18	RED				TB2-2H	—	—
26	18	WH/GR	K1-9		TB2-6H	25,	9' L		18	TRP	RD/WH		T1	TB2-4H	—	—
27	18	GR/Y	K1-A		—		42	13 1/2' L	47	18	GY/BL	G3	SOLD	FI-2	SOLD 31	4' L
	TRP	BLK	K1-B	SOLD 31	—											
46	18	GR/DR	G2	SOLD	*TB2-63	SOLD	6' L	35	18	BLK	TB2-1H	—	TB2-2H	—	120V	
47	18	GR/BL	FI-1	SOLD 31	*TB2-4S	SOLD	3' L	36	18	WH/T	TB2-3H	—	TB2-4H	—	120V	
43	18	BRN	CBI(2) LOAD	28.31	*TB2-65	SOLD	7 1/2' L	35	18	BLK	TB2-2H	—	TB2-3H	—	230V	
	TRP	BLU	CBI(1) LOAD	28.31	*TB2-1S	SOLD	7 1/2' L	13	22	BARE	R1-A	—	G3	SOLD 33		
45	14	BLU	CBI(1) LINE		NOTE 6	—	17' L	13	22	BARE	R1-B	—	G2	SOLD 33		
	TRP	BRN	CBI(2) LINE		NOTE 6	—	17' L	48	18	BL/WH	K1-8	SOLD 31	TB2-1S	25	4' L	
15	18	WH/T	*TB2-7S	SOLD	J2-2	30.32	10' L	49	18	WH/BL	K1-5	SOLD 31	TB2-7H	25	5 1/2' L	
	TRP	BLK	*TB2-5S	SOLD	J2-1	30.32	9' L									
15	18	WH/T	*TB2-7S	SOLD	J3-2	30.32	10' L									
	TRP	BLK	*TB2-5S	SOLD	J3-1	30.32	15 1/2' L									

14

* INDICATES SOLDER CONN. SHARED WITH OTHER CONN. WITH SAME COMMON CONN.

NOTES:

- COVER ITEM 28 WITH ITEM 31. COVER ENTIRE CONN.
- TWISTED PAIR WIRE TO HAVE A MIN OF 8 TWIST PER FT. AS PER WIRE CHART.
- ALL CONNECTIONS TO TB2 ARE TO BE MADE FROM SIDE INDICATED BY ARROW.
- USE TIE WRAPS (ITEM 38) AS NEEDED.
- T1 PRIMARY WIRES TO TB2 MUST BE ROUTED BY ITEM 4
- NO CONNECTION IS MADE AT THIS ASSY LEVEL. REFER TO PRINT E-UA-H777-0-0



OFF SHEET PARTS LIST SEE A-PL-7012910-0-0

QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	ANGLES 1/2" 30°		
	SURFACE QUALITY IN		
	MICROINCHES		
	THIRD ANGLE PROJECTION		
	DO NOT SCALE DWG		
	MATERIAL		
	FINISH		

DRN. H. R. 29.11.71
CHK'D. H. R. 29.11.71
ENG. H. R. 29.11.71
PROG. R. B. 29.11.71
NEXT HIGHER ASSY.

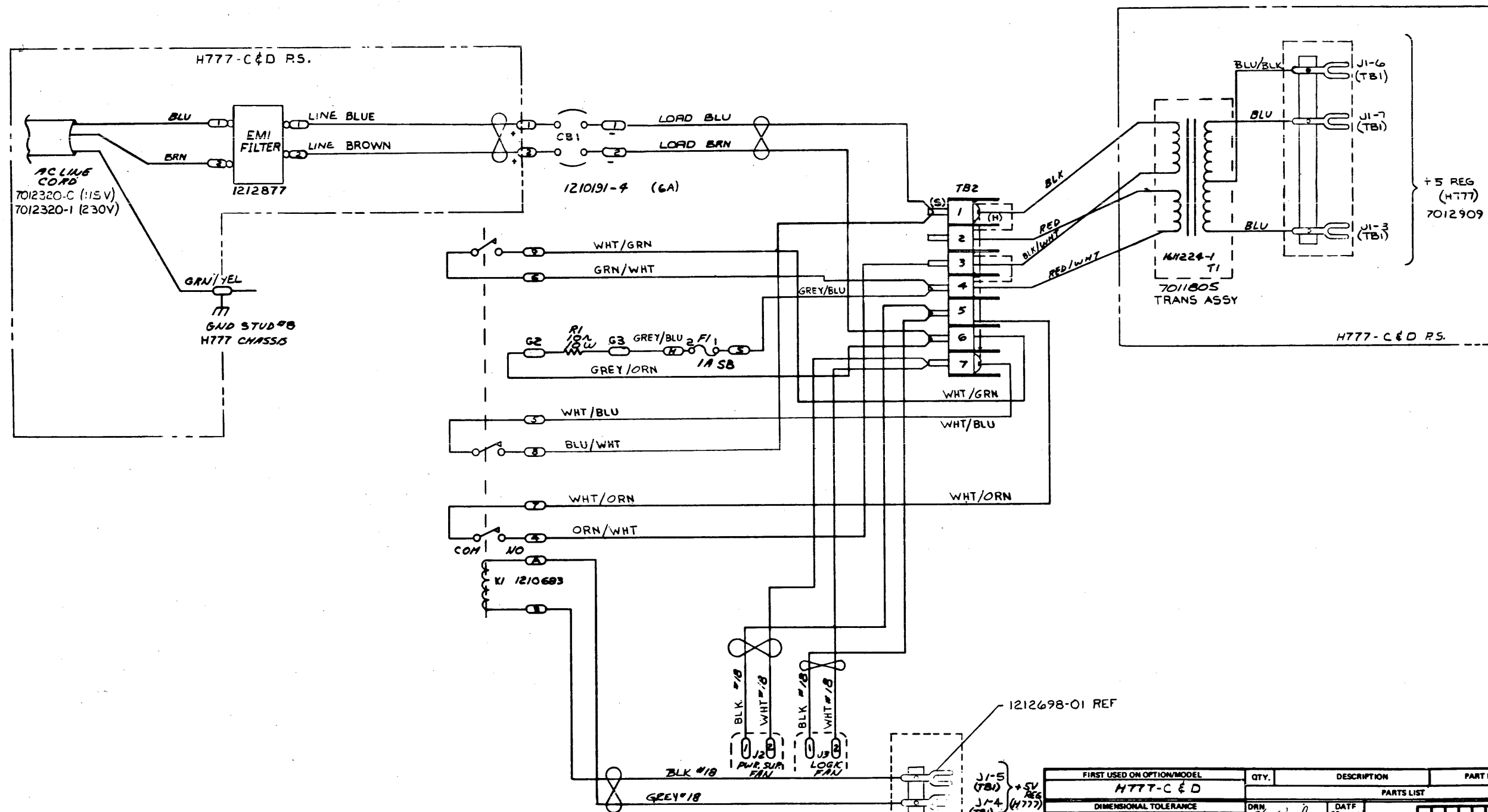
FIRST USED ON H777-C & D

TITLE A/C INPUT ASSY (120V/230V)

SIZE CODE D AD 7012910-0-0

NUMBER REV. M

SHEET 1 OF 2



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.	REV.
HTTT-C & D						
DIMENSIONAL TOLERANCE		PARTS LIST				
DIMENSIONS ARE INCHES		DRN <i>L. Richa</i>	DATE 29 JULY 76			
UNLESS OTHERWISE SPECIFIED		CHK <i>D. Healy</i>	DATE 2 AUG 76			
		ENG <i>R. M. M. M.</i>	DATE 2 AUG 76			
		PROJ. ENG. <i>R. M. M. M.</i>	DATE 2 AUG 76			
MILLIMETERS	INCHES	ANGLES	TITLE			
X.XX ± 0.10 X.X ± 0.5 X ± .2	X.XX ± .005 X.XX ± .02 X ± .1	10° 30'	A/C INPUT ASSY (120V/230V)			
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	NEXT HIGHER ASSY.				
MATERIAL			SIZE CODE		NUMBER	REV.
FINISH			D AD		7012910-0-0	M
		SCALE	SHEET			
		1 OF 2				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY <i>A. Becker</i>	CHECKED <i>D. HEALY</i>	SECTION
DATE <i>17 JUL 76</i>	DATE <i>27 JUL 76</i>	1
ENG <i>R. Barry</i>	PROD <i>RLK</i>	ISSUED SECT.
DATE <i>8-12-76</i>	DATE <i>21 Sept 76</i>	1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION
----------	------------------	-------------

1	C-IA-7011805-0-0	TRANSFORMER ASSY
2	9006037-01	SCR PHIL PAN HD #8 - 32 X .38
3	9006634	WASHER INT. TOOTH LOCK #8
4	9007035	GROMMET CATERPILLAR
5	1210683-00	RELAY 12V 3P 10A
6	9006020-01	SCR PHIL HD PAN #6-32 X .25
7	9006633	WASHER INT. TOOTH LOCK #6
8	9006842	SPACER HEX #6 - 32 X .31
9	9007794-01	SCR PHIL HD PAN #6 - 32 X .69
10	9006021-01	SCR PHIL HD PAN #6 - 32 X .31
11	1212789	SOCKET, RELAY
12	1210191-4	CIRCUIT BREAKER, 6A
13	1300173	RESISTOR, 10 OHM, 10W
14	9006966	TERMINAL TURRET INS
15	9107430-09	WIRE #18 AWG INS TW/PR (WHT/BLK)
16	9009771-2	CLAMP (RESISTOR) 3/8 I.D. SELF ADH.
17	1212893-00	HOLDER, FUSE 20A, 300V
18	D-IA-7417219-0-0	BRACKET, COMPONENT
19	1212788	BARRIER STRIP 7 POS
20	B-IA-7414743-1-0	SHIELD, TERM.
21	9008264	MOUNT TIE WRAP
22	9107410-39	WIRE #18 AWG INS ORN/WHT

TITLE	ASSY NO.		SIZE
	A/C INPUT ASSY (120V/230V)		A
	D-AD-7012910-0-0		
		SHEET 1 OF 3	DIS

DEC FORM DEC 16--(325)--1031--N870
DRA 110

SIZE	CODE	NUMBER	REV.	ECONO.
A	PL	7012910-0-0	M	7012910-0-0
DIST.				ML 006

SIZE	CODE	NUMBER	REV.	ECONO.
A	PL	7012910-0-0	M	7012910-0-0
DIST.				ML 006

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY	<i>W. H. H. H.</i>	CHECKED	D. HEALY	SECTION
DATE	19 JULY 76	DATE	27 JUL 76	1
ENG	<i>R. B. H. H.</i>	PROD	<i>R. B. H. H.</i>	ISSUED SECT.
DATE	9-17-76	DATE	21 Sept 76	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
23	9107410-59	WIRE 18 AWG INS GRN/WHT
24	9107410-93	WIRE 18 AWG INS WHT/GRN
25	9007929	RING CRIMP (RED INS)
26	9107410-95	WIRE 18 AWG INS WHT/GRN
27	9107430-08	WIRE 18 AWG INS (GRY/BLK) TW/PR
28	9007970	CONN FASTON (RED INS.)
29	1210191-2	CIRCUIT BREAKER, 2.5A
30	1210820-2	HOUSING TERM. FASTAB
31	9107305-02	TUBING SHRINK (RED)
32	1210820-1	HOUSING SOCKET, FASTAB
33	9107278-02	TUBING INS (RED)
34	9008020-02	SCR, PHL, FLAT HD, 6 - 32 x .19
35	B-1A-7011797-0-0	JUMPER ASSY (BLK 2")
36	B-1A-7011798-0-0	JUMPER ASSY (WHT 2")
37	9007786	NUT #10 - 32
38	9007031	TIE WRAP
39	9107253-09	TUBING, SHRINK (WHT)
40	9007212	FUSE, 1A, 250V S.B.
41	9107253-03	TUBING, SHRINK (GRN)
42	1212698-01	STRIP. FANNING (2 POSITION)
43	9107430 - 16	WIRE #18 AWG INSTWP BRN,BLU
44	9006656	WASHER, FLAT

TITLE	ASSY NO.	SIZE
A/C INPUT ASSY (120V/230V)	D-AD-7012910-0-0	A
	SHEET 2 OF 3	DIST

DEC FORM DEC 16 (325) 1031 N870
DRA 110

DIST.	SIZE CODE		NUMBER	REV.	ECO NO
	A	PL			
			7012910-0-0	M	

DIST.	SIZE CODE		NUMBER	REV.	ECO NO
	A	PL			
			7012910-0-0	M	

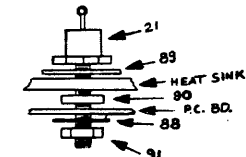
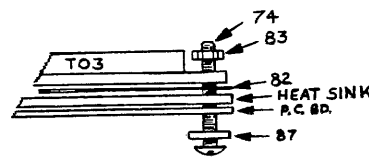
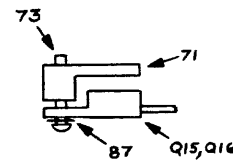
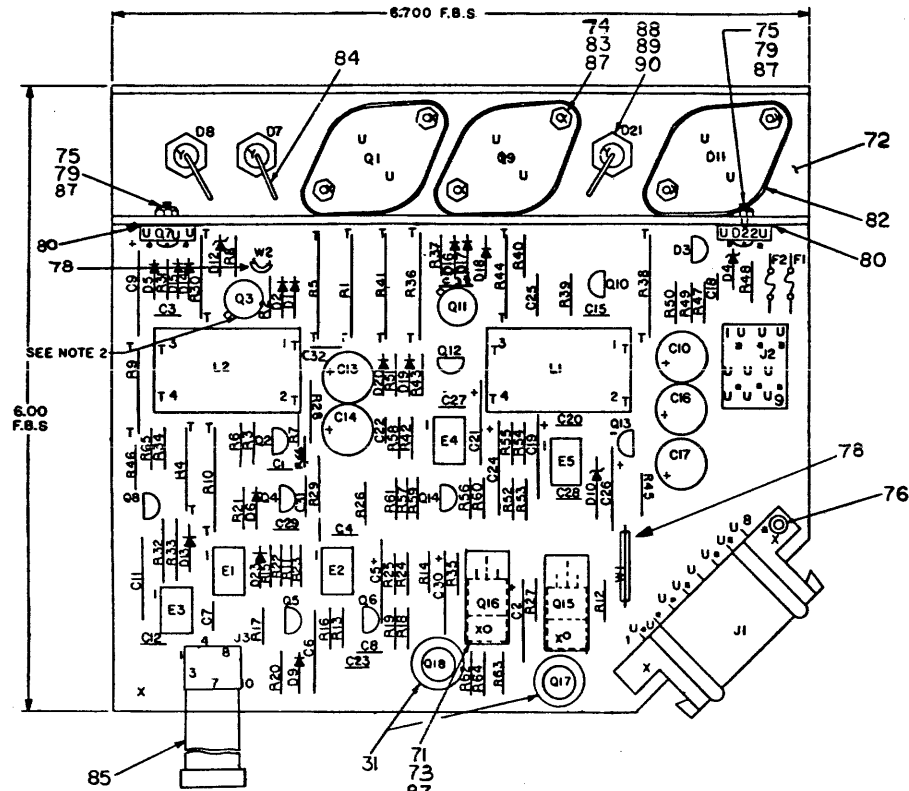
DEC FORM DEC 16 (325) 1031 N870
DRA 110

[illegible]

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NOTES:

1. SEE PARTS LIST FOR CURRENT HDW. D7,D8,D21
2. USE TRANSIPAD DEC#9007201 UNDER Q3,Q11,Q17,Q18
3. TORQUE Q1,Q9,D7,D8,D11,# D21 HARDWARE TO 6-8 IN-LBS.



SIDE VIEW MOUNTING D7,D8 AND D21

ALTERNATE PARTS LIST

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	EYELET	9006732	76	
7	C3,C12,C18,C27,C28,C32,C33	CAPACITOR .01 MF 50V	100100-00	9

FIRST USED ON OPTION MODEL

ETCH BOARD REV. E

REVISIONS

DEC NO. EIA NO. DEC NO. EIA NO.

SEMICONDUCTOR CONVERSION CHART

SCALE 1 OF 3

SHEET 1 OF 3

DATE 5-28-75

DATE 7/22/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

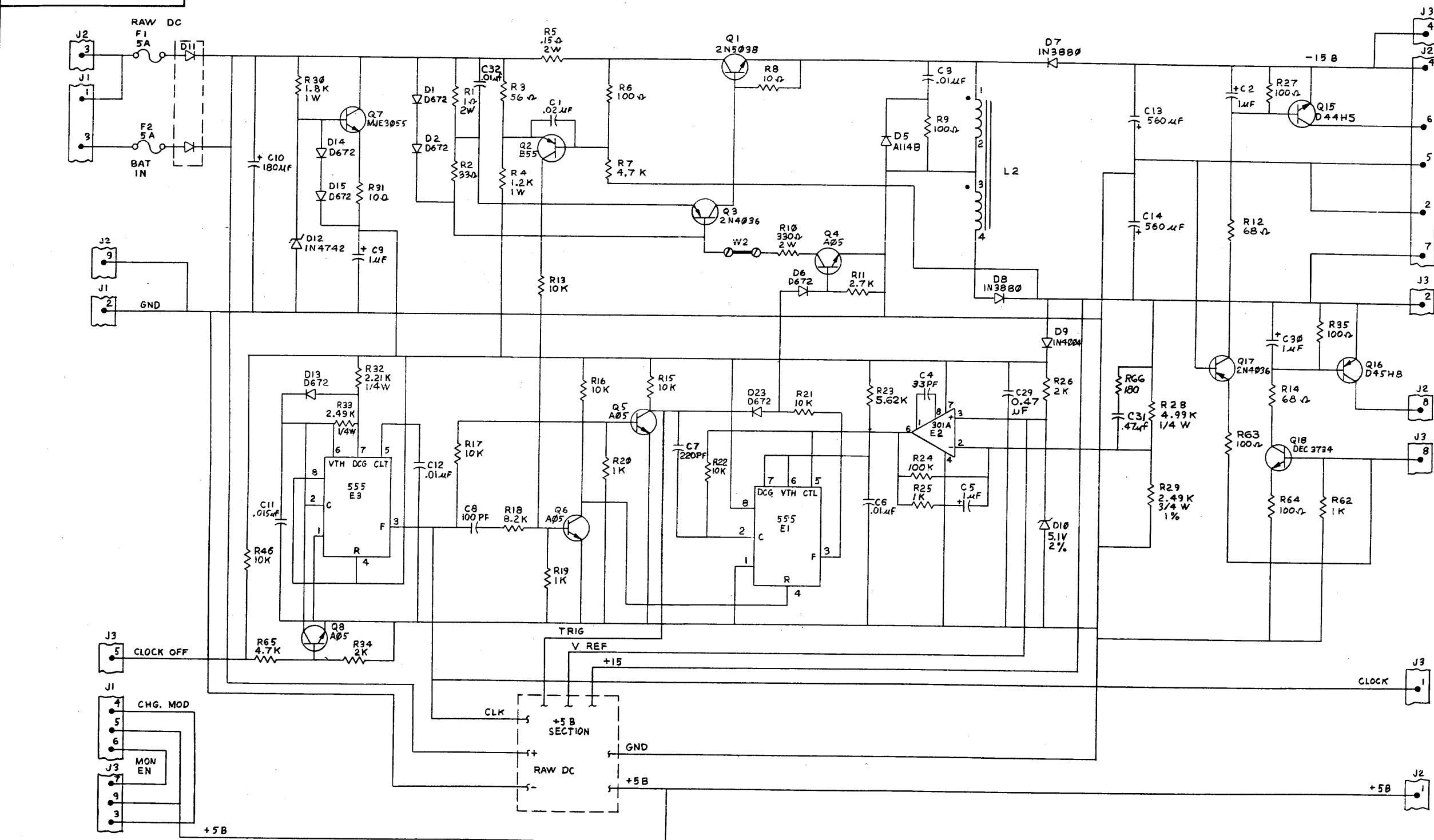
DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

DATE 10/1/75

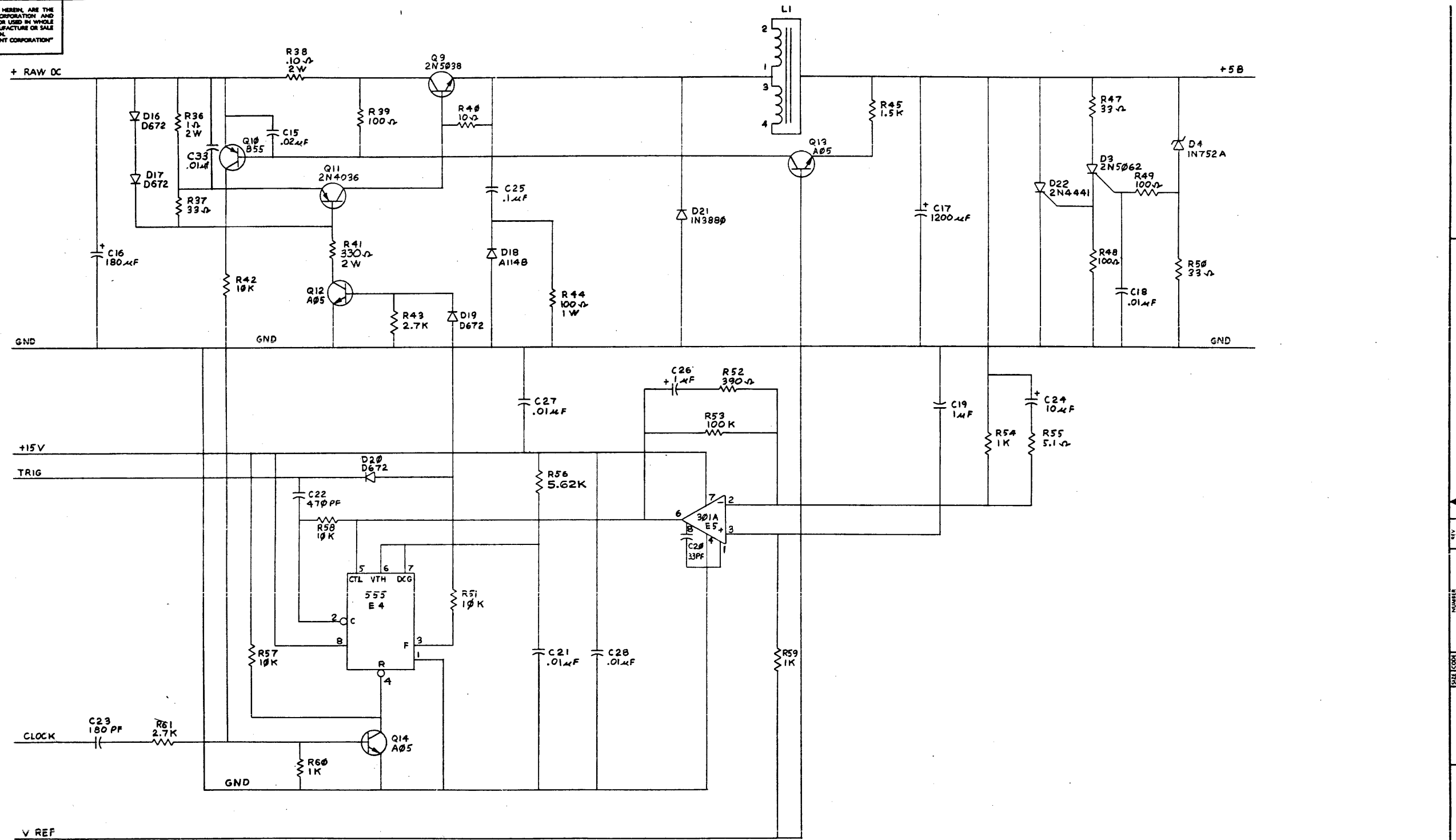
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MOS REGULATOR H777		DCS	5411601-0-1	N
SCALE	SHEET	2 OF 3	DIST.	

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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV
MOS REGULATOR H777		DCS	541601-0-1	N
SCALE		SHEET	3 OF 3	DIST.
77				

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IC TYPE GND +5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.

IC PIN LOCATIONS

DEC FORM NO. 000 135.8

NOTES:
USE TRANSIPAD DEC# 9007201 UNDER Q1&Q8

1		HEAT SINK	7416236-0-0	55
6		SCREW, #4-40 x 1/2 18 PH HD	9006013-1	56
6		NUT, KEP #4-40	9006557	57
1		NUT, HEX #10-32	9006564	58
1		WASHER, FLAT	9006662	59
1		BUSHING, NYLON	9008440	60
6		WASHER, FLAT	9008172	61
A/R		COMPOUND, THERMAL	9008268	62
3		INSULATOR, TO 3	1213071-02	63
1		WASHER, THERMALFILM	9008424	64
2		TRANSIPAD	9007201	65
A/R		WIRE #18 AWG, TWISTED PAIR	9107430-02	66
1	C29	CAPACITOR 2.2UF 20V	1002627	67
1	R47	RESISTOR 200, 1/4W, 5%	1311522	68
1		HARNESS (THREE WIRE)	C-1A 7012547-0-0	69
1		HARNESS (TWO WIRE)	C-1A 7012546-0-0	70
1	C12	CAPACITOR, 10uf, 20V, 10%, TANT	1004813	71
1	D23	DIODE, 1N753A	1102421	72
1	C26	CAPACITOR, .47uf, 25V, 20%, CER	1010279	73
1		SOLDER, TERM, SCREW MTG.	9007315	74
1		SIL PAD .80D .190 I.D.	1213071-05	75
1	C32	CAP. 1UF 50V CER.	1010274-02	76

55	REF	X-Y COORDINATE HOLE LOCATION	K-CO-5411599-0-4	1
56	REF	ASSY/DRILLING HOLE LAYOUT	D-AH-5411599-0-5	2
57	REF	MODULE ECO HISTORY	B-MH-5411599-0-6	3
58	1	ETCHED CIRCUIT BOARD	5011598	4
59	1	CAPACITOR, 100PF, 100V, 5%	1000016	5
60	6	C2, C3, C6, C30, C24, C25	1001610-01	6
61	3	C9, C27, C28	1001776	7
62	2	C10, C13	1000009	8
63	1	C11	1009725	9
64	2	C8, C14	1005784	10
65	1	C31	1000021	11
66	2	C5, C16	1012607-01	12
67	7	C1, C17, C18, C4, C20, C21, C22	1012607-02	13
68	1	D22	1109502	14
69	1	D10	1103341	15
70	10	D1 THRU D7, D14, D15, D21	1105275	16
71	1	D17	1109440	17
72	2	D12, D13	1110713	18
73	1	D8	1110715	19
74	1	D11	1110856	20
75	1	D19	1110968	21
76	1	D9	1112595-01	22
1	F1	FUSE, 15A, PICO	1210529	23
1	R46	RESISTOR, 18K, 1/4W, 5%	1302465	24
6	R9, R39, R40, R41, R43, R49	RESISTOR, 100, 1/4W, 5%	1300229	25
1	R7	RESISTOR, 100, 1W, 5%	1300232	26
3	R11, R2, R33	RESISTOR, 390, 1/4W, 5%	1300309	27
6	R6, R12, R23, R31, R17, R48	RESISTOR, 1K, 1/4W, 5%	1300365	28
3	R10, R14, R30	RESISTOR, 27K, 1/4W, 5%	1300426	29
4	R42, R44, R15, R27	RESISTOR, 47K, 1/4W, 5%	1300447	30
1	R4	RESISTOR 1K, 1W, 5%	1300368	31
3	R16, R29, R38	RESISTOR, 10K, 1/4W, 5%	1300479	32
2	R3, R35	RESISTOR, 10, 1/4W, 5%	1301317	33
1	R45	RESISTOR, 470, 1/4W, 5%	1300316	34
1	R5	RESISTOR, 27, 1/4W, 5%	1301522	35
1	R34	RESISTOR, 330, 2W, 10%	1301961	36
1	R19	RESISTOR, 2K, 1/4W, 5%	1302389	37
2	R18, R26	RESISTOR, 102K, 1/4W, 5%	1302466	38
1	R22	RESISTOR, 2.74K, 1/4W, 1"	1304968	39
2	R1, R32	RESISTOR, 1, 2W, 5% WW	1305428	40
2	R24, R25	RESISTOR, 1.5K, 1/4W, 5%	1300391	41
1	R21	RESISTOR, 8.25K, 1/4W, 1%	1309420	42
2	R8, R37	RESISTOR, 08, 5W, 3% WW	1311603	43
1	R20	RESISTOR, 56, 1/4W, 5%	1302602	44
2	Q1, Q8	TRANSISTOR, 2N4836	1509700	45
7	Q3, Q5, Q6, Q7, Q9, Q12, Q13	TRANSISTOR, XA85	1510705	46
1	Q4	TRANSISTOR, XA55	1510705	47
1	D18	TRANSISTOR, C32AX135	1510928	48
2	Q2, Q10	TRANSISTOR, 2N5038	1510969	49
1	Q11	TRANSISTOR, 2N5433	1511686	50
2	L1, L2	INDUCTOR, 500uh	1612593	51
2	E1, E3	I.C DEC 301A	1910282	52
2	E2, E4	I.C DEC 555	1911944	53
1	J1	CABLE ASSY	7011414 -OE	54

FIRST USED ON OPTION MODEL

ETCH BOARD REV. D

DATE 11/17/77

CHKD 11/17/77

ENG 11/17/77

PROJ. ENG 11/17/77

PROD. 11/17/77

NEXT HIGHER ASSY

E-UA-H777-0-0

SCALE 1 OF 2

SHEET 1 OF 2

REV. J

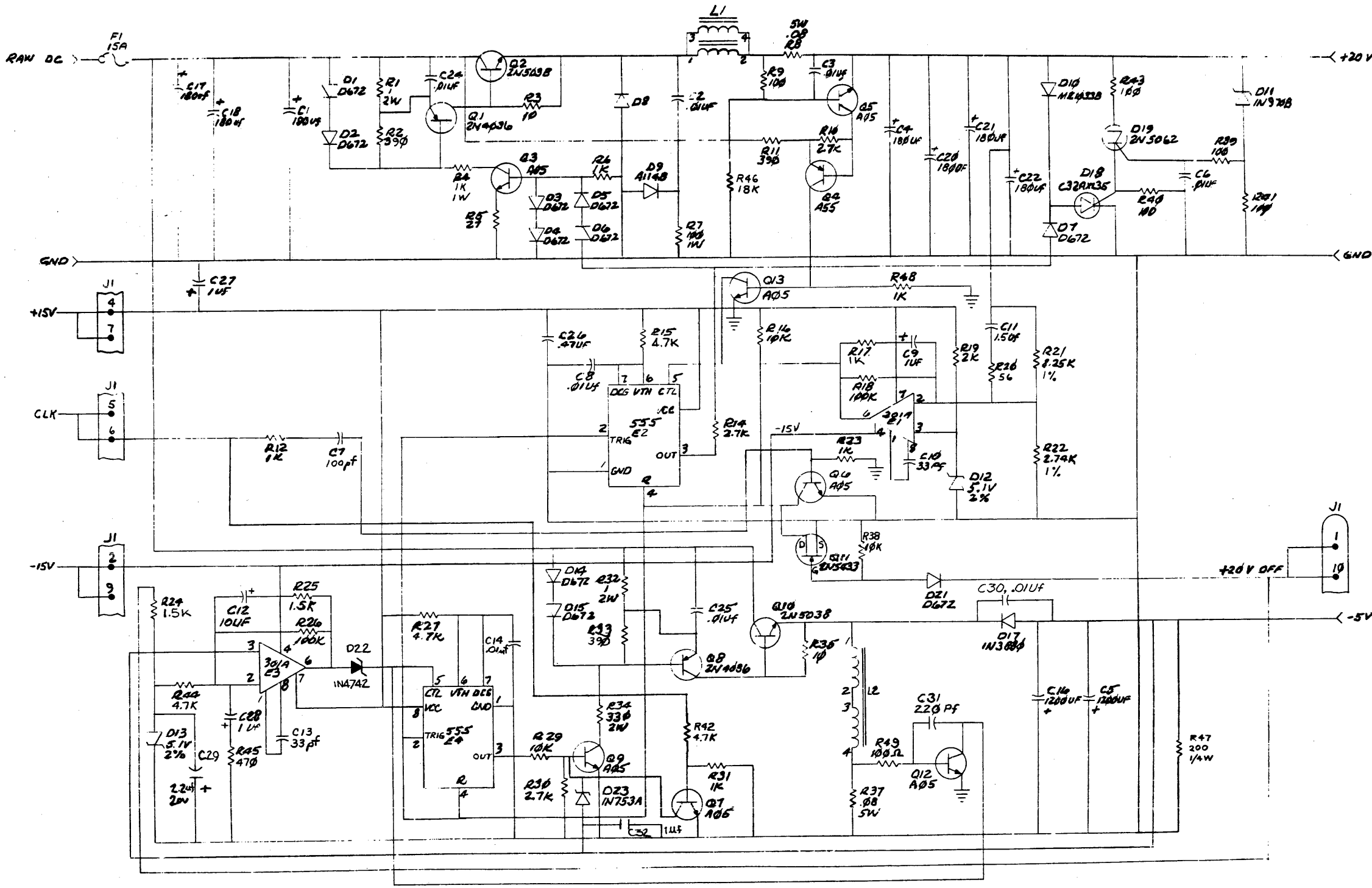
SIZE CODE DCS 5411599-0-1

NUMBER 5411599-0-1

REV. J

SEMICONDUCTOR CONVERSION CHART

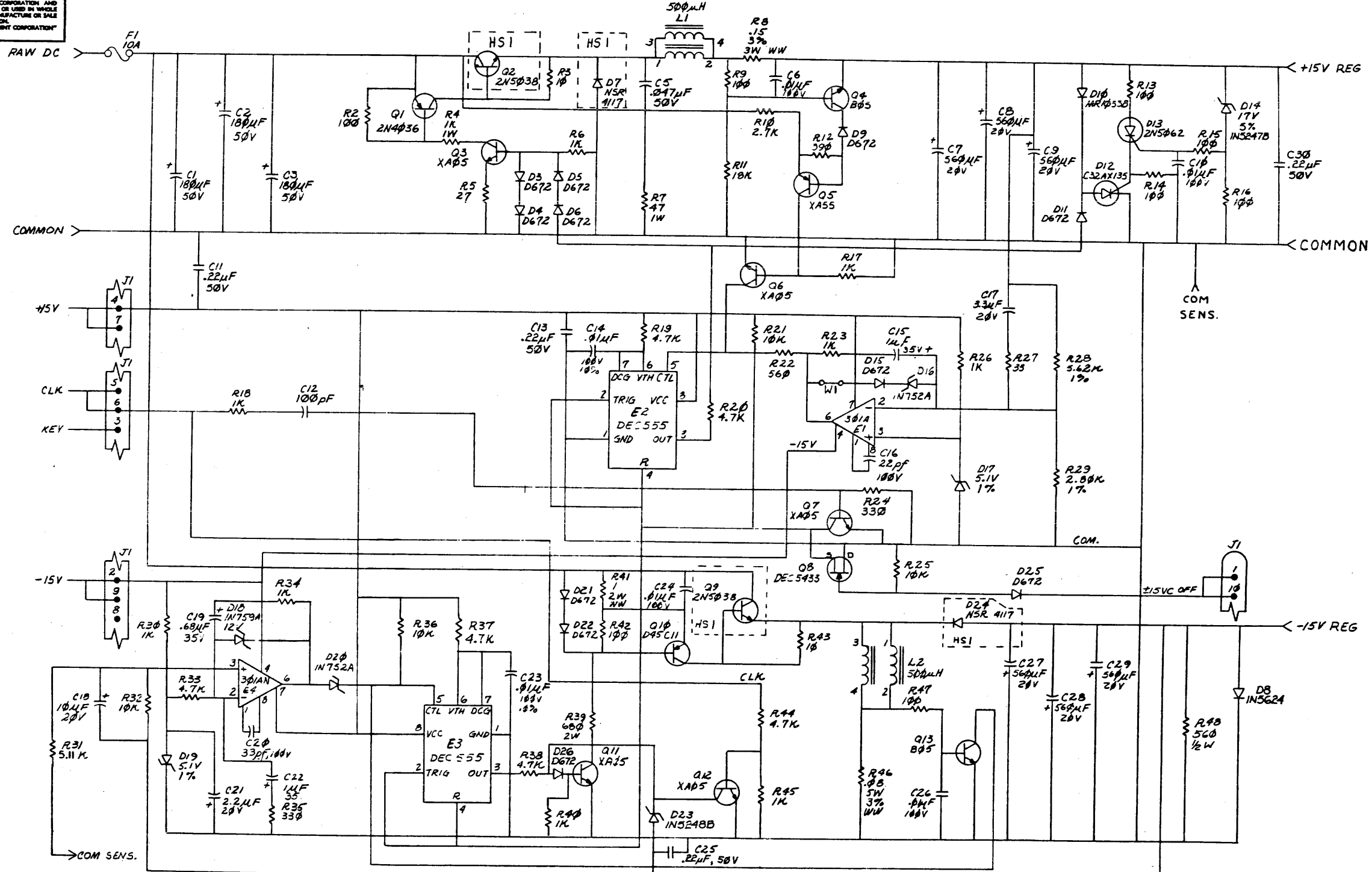
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REVISIONS		
CHK	CHANGE NO.	REV

TITLE		+20V REGULATOR/H777	SIZE CODE		NUMBER	REV.
SCALE		1:1	SHEET		2 OF 2	J
DIST.						

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DRN. 1000	3/2/79	FIRST USED ON	H777-UA,UB	DIGITAL
CHKD. 1000	3/2/79	TITLE	±15V REGULATOR	
ENG. H. H. H.	1/1/80	PROJ. ENG. H. H. H.	1/1/80	REV. A
PROD. H. H. H.	1/1/80	NEXT HIGHER ASSY.		
B-DD-5413764-0	SIZE CODE	NUMBER	REV.	
SCALE	D	CS	5413764-0-1	A
SHEET 1	OF 1	DIST.		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
1	1	D-UA-5413764-0-0		UNIT ASSY			
2	2	D-CS-5413764-0-1		CKT SCHEMATIC			
3	3		5013763-00	DRILL & ETCH BRD	1		
4	4		1000009-00	33.0 MMF 100V 55200PPM MICA	1		C20
5	5		1000016-00	100.0 MMF 100V 5%200PPM MICA	1		C12
6	6		1001610-01	.01 MFD 50/100V +80-20% DISC	4		C6, C10, C24, C26
7	7		1001776-00	1 MFD 35V 10% S.TANT	2		C15, C22
8	8		1002627-00	2.2MFD 20V 10% S.TANT	1		C21
9	9		1004813-00	10 MFD 20V 10% S.TANT	1		C18
10	10		1005334-00	3.3MFD 20V 10% S.TANT	1		C17
11	11		1005784-00	.01 MFD 100V 10% MYLR	2		C14, C23
12	12		1005820-00	22.0 MMF 100V 5%200PPM MICA	1		C16
13	13		1009964-00	.68 MFD 35V 10% S.TANT	1		C19
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	4		C25, C30, C11, C13
15	15		1010978-32	.047 MFD 50V 10% CER	1		C5
16	16		1012607-00	560 MFD 20V+100-10% AL EL	6		C7-C9, C27-C29
17	17		1012607-02	180 MFD 50V+100-10% AL EL	3		C1-C3
18	18		1102808-00	1N 752A VZ= 5.6 5% .40W	2		D16, D20
19	19		1103341-00	MR10338 PIV=300 I= 3A Z44 SM	1		D10
20	20		1105275-00	D 672 TR= 15NS PIV= 60V SI	1		D3-D6, D9, D11, D15, D21, D22, D25, D26
21	21		1105871-00	1/4MS.1AZ1 = 5.1 1% .25W N	2		D17, D19
22	22		1110420-00	1N 5624 PIV=200 I= 5A	1		D8
23	23		1110766-00	1N 5248B VZ= 18.0 5% .50W	1		D23
24	24		1110836-00	1N 759A VZ= 12.0 5% .40W	1		D18
25	25		1110968-00	2N 5062 SCR@100V I=.8A T092	1		D13
26	26		1116461-00	NSR4117 PIV=100 I=12A	2		D7, D24
27	27		1116805-01	1N5247B VZ= 17.0 5% 500MW	1		D14
28	28		1210929-01	FUSE, SUB-MINI, 10.000A, 125V, A	1		F1
29	29		1213071-02	INSULATOR, RUBBER SILICONE SM	2		
30	30		1213071-05	INSULATOR, RUBBER THERMAL	2		

REVISION HISTORY		BASIC PART NO: 5413764		D R N: PAUL NORMAN		DATE: 07-JAN-80		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: P. BOSSMAN		DATE: 08-JAN-80		TITLE PARTS LIST	
	INITIAL	A	SECTION VARIATION INDEX					PLUS/MINUS 15V REGULATOR	
			[A] 00	DES. ENG: W. BAUSHA		DATE: 08-JAN-80			
			[B]	RESP. ENG.: W. BAUSHA		DATE: 18-MAR-80		DOCUMENT NUMBER	
			[C]					SIZE CODE NUMBER REV	
			[D]	MFG. ENG.: JOSE OLIVENCIA		DATE: 18-MAR-80		K PL 5413764-0-DBP A	
			[E]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #	
			[F]	D-UA-5413764-0-0		B-00-5413764-0-0		20234A.PLS 33	
			[G]						
			[H]						
			[I]						
			[J]						
			[K]						
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			[N]						
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AUTOMATED BY PRTLST.3K(27)

PARTS LIST

SHEET A2 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
31	45		1300197-00	33.0 .25 W 5.0 % CC	1		R27
32	32		1300229-00	100.0 .25 W 5.0 % CC	8		R2,R9,R13-R16,R42,R47
33	31		1300250-00	*** THIS ITEM IS NOT USED ***	-		
34	34		1300295-00	330.0 .25 W 5.0 % CC	2		R35,R24
35	35		1300309-00	390.0 .25 W 5.0 % CC	1		R12
36	36		1300338-00	560.0 .50 W 5.0 % CC	1		R48
37	37		1300348-00	680.0 2.0 W 5.0 % CC	1		R39
38	38		1300365-00	1.0 K .25 W 5.0 % CC	9		R6,R17,R18,R23,R26,R30,R34,R40,R45
						CONT	
39	39		1300368-00	1.0 K 1.0 W 5.0 % CC	1		R4
40	40		1300426-00	2.70 K .25 W 5.0 % CC	1		R10
41	41		1300447-00	4.70 K .25 W 5.0 % CC	6		R19,R33,R37,R38,R44,R20
42	42		1300479-00	10.0 K .25 W 5.0 % CC	3		R21,R25,R36
43	43		1301317-00	10.0 .25 W 5.0 % CC	2		R3,R43
44	44		1301522-00	27.0 .25 W 5.0 % CC	1		R5
45	81		1301890-00	560.0 .25 W 5.0 % CC	1		R22
46	33		1302199-00	47.0 1.0 W 5.0 % CC	1		R7
47	46		1302465-00	18.0 K .25 W 5.0 % CC	1		R11
48	47		1305128-00	5.62 K .25 W 1.0 % RN55D-F10	1		R28
49	48		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	1		R29
50	49		1305428-00	1.0 2.0 W 5.0 % WW	1		R41
51	50		1311603-00	.08 5.0 W 3.0 % WW	1		R46
52	51		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	1		R31
53	52		1316597-00	.15 3.0 W 3.0 % WW	1		R8
54	53		1509700-00	2N 4036 PNP 7WC SI 80100 M	1		Q1
55	54		1510705-00	XA 05 NPN 500MW SI 60 50 P	5		Q3,Q6,Q7,Q11,Q12
56	55		1510705-01	B 05 NPN 500MW SI 60 50	2		Q4,Q13
57	56		1510706-00	XA 55 PNP 500MW SI 60 50 P	1		Q5
58	57		1510928-00	C32AX135 SCR 100V I=25A	1		D12
59	58		1510969-00	2N 5038 NPN 140WC SI 90 50 Y	2		Q2,Q9
60	59		1511686-00	DEC5433 FET N 350MW 10 25 1A	1		Q8
61	60		1514431-00	D 45C11 PNP 30W SI 80 40	1		Q10
62	61		1612593-00	500 UH 6A	2		L1,L2
63	62		1910282-00	301AM OP AMP	2		E1,E4
64	63		1911944-00	555CN TIMER,FUNCT.BLOCK	2		E2,E3
65	80	D-MD-5013763-0-0		DRILL & ETCH BRD	REF		
66	64		7011414-0E	3M CABLE H777 CORE	1		J1
67	65	C-IA-7012546-0-0	7012546-00	TWO (2) WIRE CABLE	1		
68	66	C-IA-7012547-0-0	7012547-00	THREE (3) WIRE CABLE	1		
69	67	C-IA-7422935-0-0	7422935-00	HEAT SINK	1		HS1
70	68		9006013-01	SCREW,PAN,PHIL 4-40K 1/2 SS	4		
71	69		9006557-00	NUT,KEP 4-40X 1/4 AF	4		
72	72	(FOR Q1)	9007201-00	TRANSIPADS #10253	1		
73	73		9007815-00	TERM LUG 1POS SOLDER	1		
74	71		9007906-00	WASHER, LOCK S.S. #10	1		
75	74		9008172-00	WASHER, FLAT,SS .250 OD X .125 I	2		
76	76		9008440-00	BUSHING,INSUL,NYLON .248OD .125	4		
77	70		9009005-00	NUT,HEX , 10-32 XI/4 AF X 3	2		

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							PLUS/MINUS 15V REGULATOR		K	PL	5413764-0-DBP	A

AUTOMATED BY PRTLST.3K(27)

PARTS LIST

SHEET A3 OF A3

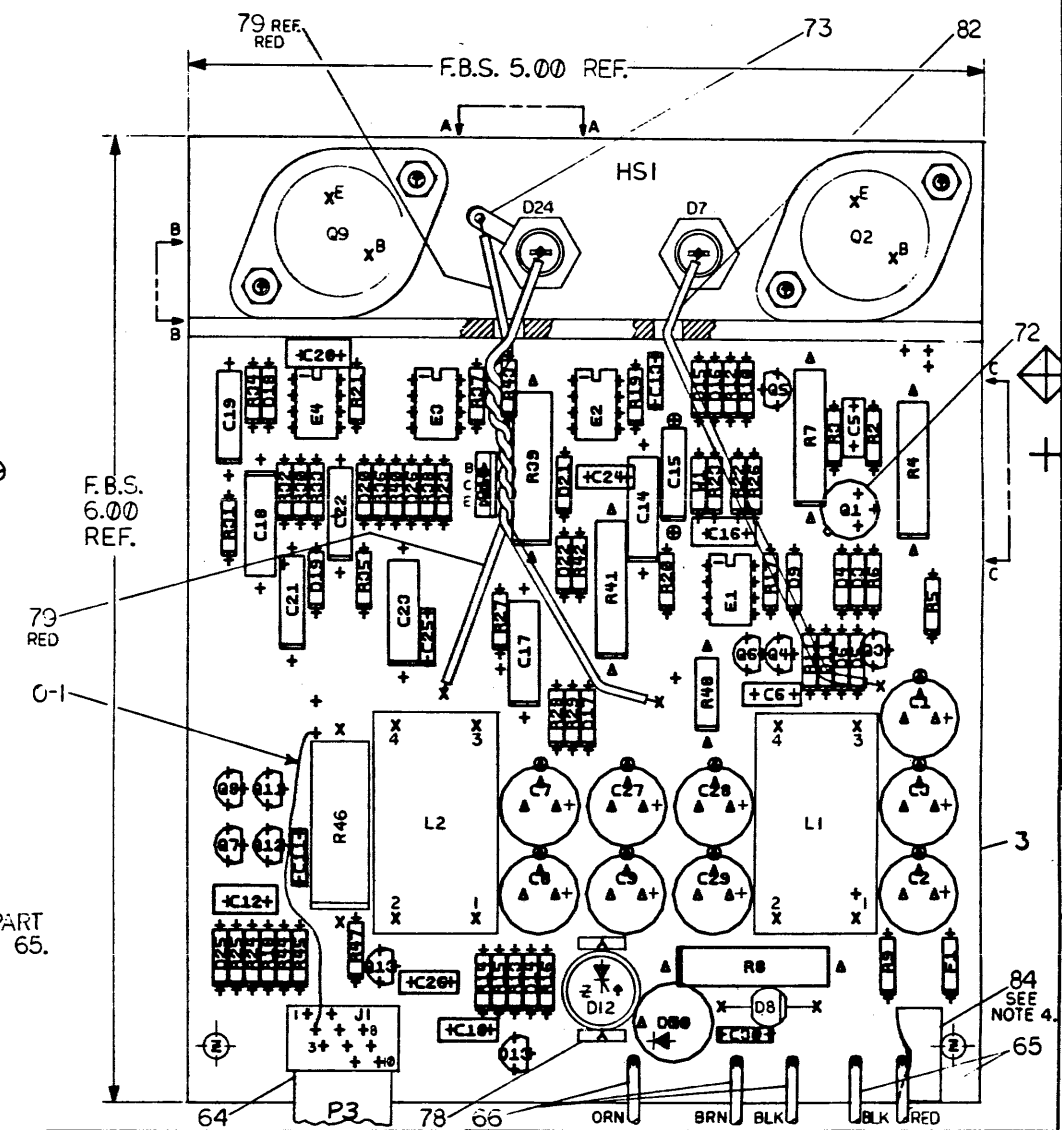
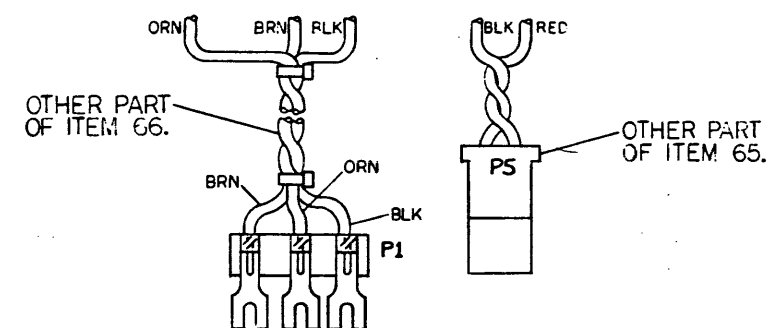
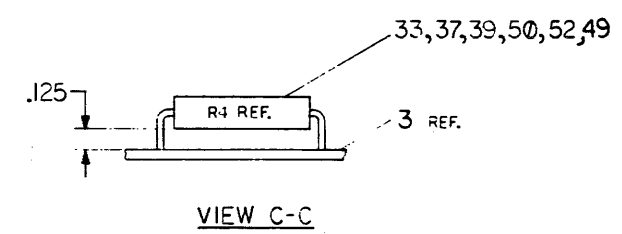
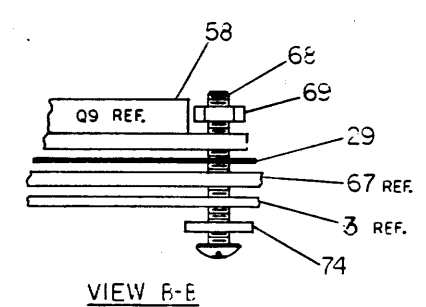
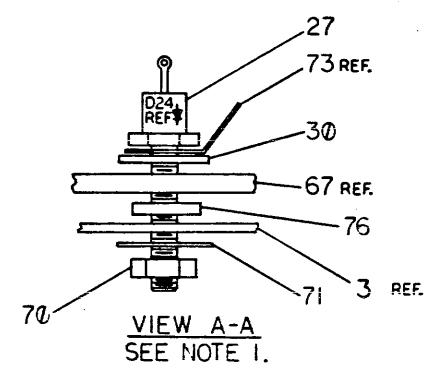
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
78	77	(USED UNDER D12)	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
79	78		9009222-00	CLIP, SCR, ADAPTOR	1	
80	82		9107360-22	WIRE, STRND, 18AWG, IPVC UL1429	A/R	
81	79		9107430-02	WIRE, STRND, 18AWG, IPVC (UL1429)	A/R	
82	83		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	1	R32
83	84		9008880-00	TAPE, FIBER GLASS 1/2" X 66 FT.	A/R	
84	85		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	

D	I	G	I	T	A	L	TITLE	PLUS/MINUS 15V REGULATOR	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413764-0-DBP	A

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COMPONENT SIDE VIEW

REWORK INSTRUCTIONS
WIRE ADDS
O-1 ADD A WIRE AT J1 PIN 2 TO
FEED THRU LEFT OF R46.



NOTES: 1. USE IDENTICAL HARDWARE FOR D7, LESS ITEM 73.
2. TORQUE RANGE FOR ITEMS 68 AND 69 IS 5 TO 6 INCH/POUNDS.
3. TORQUE RANGE FOR ITEMS 27 AND 70 IS 14 TO 16 INCH/POUNDS.
4. WIRE INSULATION MUST BE FLUSH WITH THE BD.

STEP	Y AXIS	STEP	Y AXIS
REPEAT	X AXIS	STEP	Y AXIS

CHANGE NO	REV

ETCH REV.	B

SIGNATURES	DATE	TITLE
CHK'D. <i>[Signature]</i>	1/10/59	digital ±15V REGULATOR
MECH. ENG. <i>[Signature]</i>	5/1/60	
PROJ. ENG. <i>[Signature]</i>	5/1/60	
PROD. <i>[Signature]</i>	5/1/60	
SCALE 2/1	SIZE CODE	NUMBER
SHT. 1 OF 1	0 UA	5413764-0-0
NEXT HIGHER ASSY. B-DD-5413764-0-0		REV A

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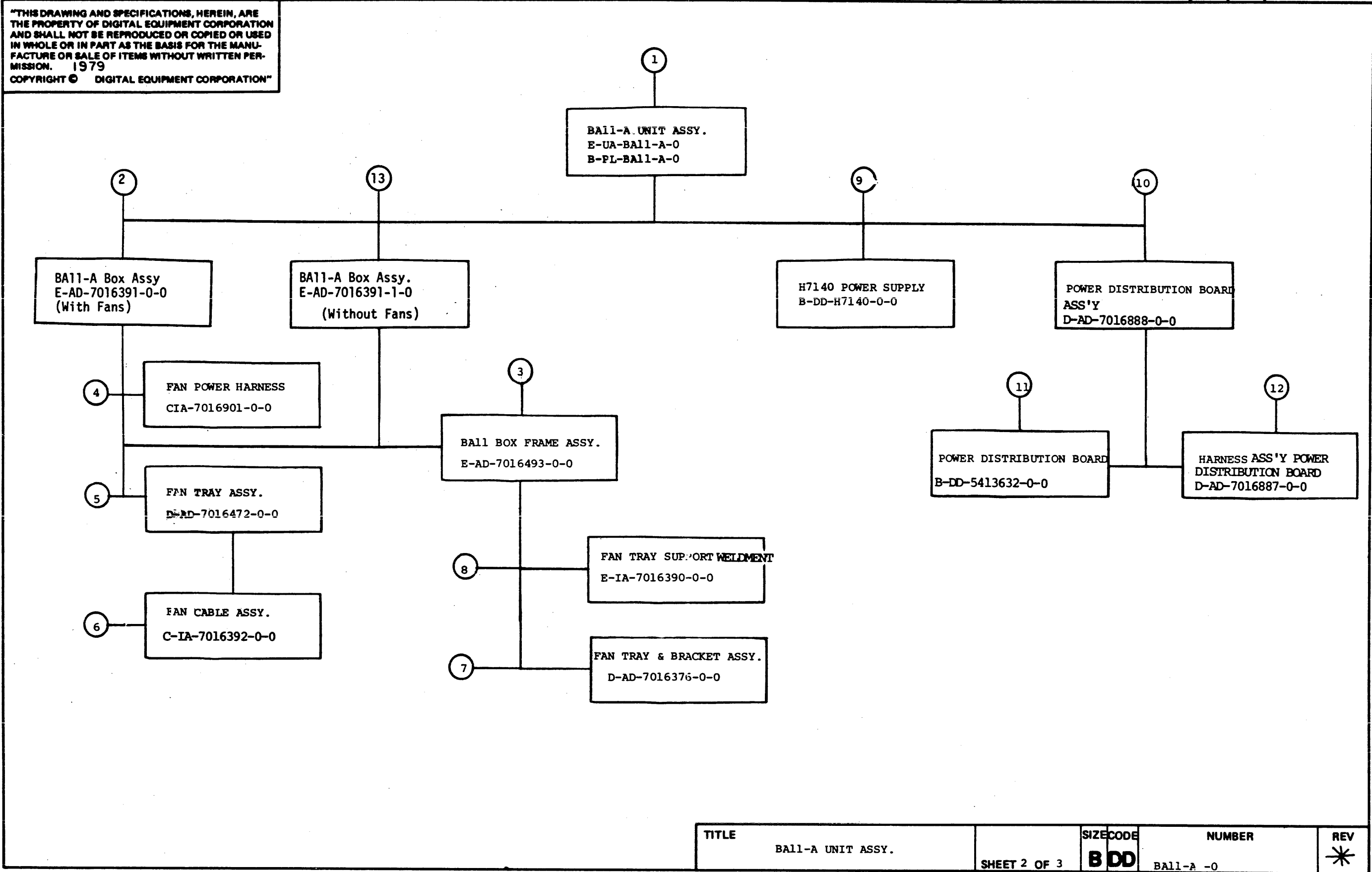
DRAWING DIRECTORY

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[illegible]

REVISIONS	REV.		USED ON OPTION/MODEL	DRN.	DATE	TITLE																																				
	CHANGE NO.			John Nagle	1 May79	Ball-A UNIT ASSY. digital																																				
	CHK			CHK'D.	DATE																																					
				<i>[Signature]</i>	<i>7/2/79</i>																																					
				PROJ. ENG.	DATE																																					
				<i>R. [Signature]</i>	<i>7/3/79</i>																																					
				PROD.	DATE																																					
				<i>John Conella</i>	<i>29 JUN 79</i>																																					
SHEET 1 OF 3			<table><tr><td>SIZE</td><td>CODE</td><td colspan="6">NUMBER</td><td>REV</td></tr><tr><td>B</td><td>DD</td><td colspan="6">Ball-A-0</td><td>*</td></tr><tr><td colspan="9">DIST.</td></tr></table>													SIZE	CODE	NUMBER						REV	B	DD	Ball-A-0						*	DIST.								
SIZE	CODE	NUMBER						REV																																		
B	DD	Ball-A-0						*																																		
DIST.																																										

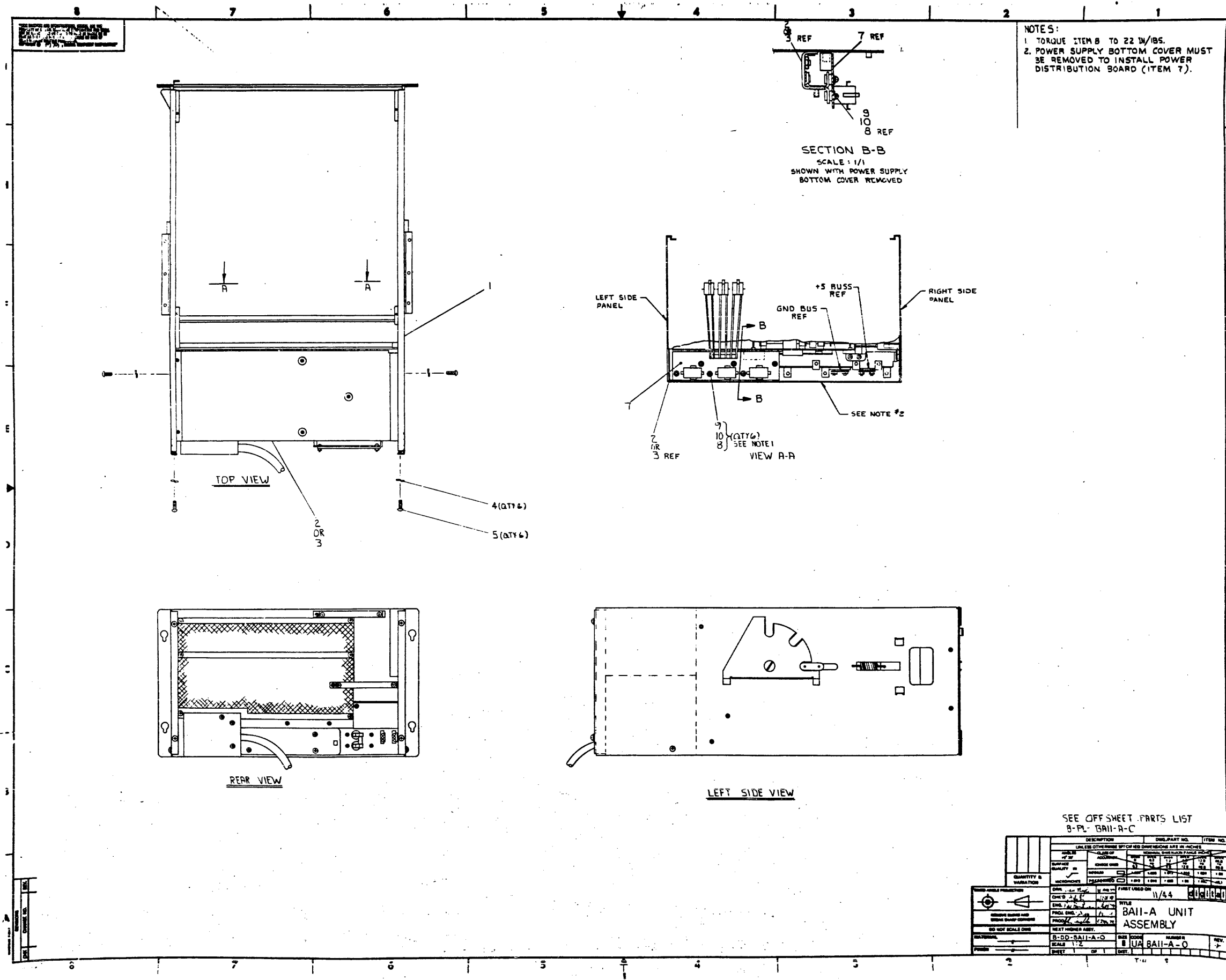
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TITLE	BALL-A UNIT ASSY.	SHEET 2 OF 3	SIZECODE B DD	NUMBER Ball-A -0	REV *
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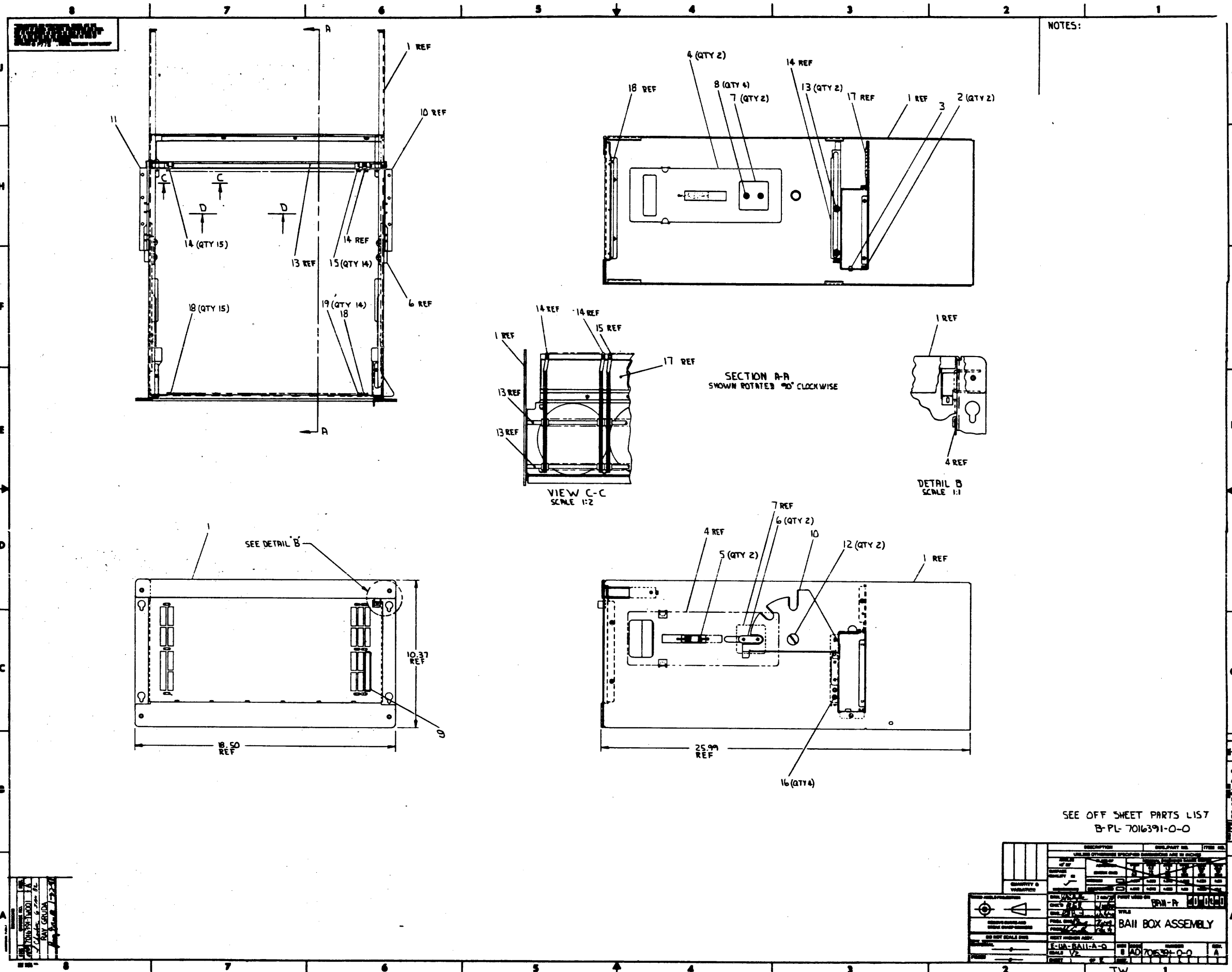
FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	E-UA-Ball-A-0	BALL-A UNIT ASSY.	E/M	9	B-DD-H7140-0-0	H7140 POWER SUPPLY DRAWING DIRECTORY	REF
	B-PL-Ball-A-0	BALL-A PARTS LIST	REF				
2	E-AD-7016391-0-0	BALL-A BOX ASSY. (with fans)	E/M				
	D-PS-1216189-0-0	RETRACTOR SLIDE PAWL	M	10	D-AD-7016888-0-0	POWER DISTRIBUTION BOARD ASSY.	E/M
	B-PS-1216190	SPRING SLIDE PAWL	M	11	B-DD-5413632-0-0	POWER DISTRIBUTION BOARD	E
	B-MD-7421611-0-0	SLIDE PAWL	M	12	D-AD-7016887	CABLE HARNESS ASS'Y POWER DISTRIBUTION BOARD	E
	B-MD-7421444-0-0	PLATE SLIDE NUT	M				
	D-MD-7421613-0-0	SLIDE INDEX PLATE (2)	M				
	B-PS-1216197-0-0	PIVOT SCREW	M				
	D-PS-1215848-0-0	CARD GUIDE	M				
	B-MD-7421612-0-0	BAR GUIDE MNTING	M				
				13	E-AD-7016391-1-0	BALL-A Box Assy, Without fans (Reference only)	REF
3	E-MD-7016493-0-0	BALL BOX FRAME ASSY.	M				
	E-MD-7421631-0-0	SIDE PANEL LEFT	M				
	E-MD-7421441-0-0	CARD CAGE FRONT	M				
	D-MD-7421616-0-0	SPRING BOX LOCK	M				
	E-MD-7421610-0-0	SIDE PANEL RIGHT	M				
4	C-IA-7016901-0-0	FAN POWER HARNESS	E				
5	D-AD-7016472-0-0	FAN TRAY ASSY.	E/M				
6	D-IA-7016392-0-0	FAN CABLE ASSY.	E				
7	D-AD-7016376-0-0	FAN TRAY & BRACKET ASSY.	M				
	D-MD-7421632-0-0	FAN TRAY	M				
	B-MD-7421387-0-0	BRACKET FAN TRAY CONN	M				
8	E-AD-7016390-0-0	FAN TRAY SUPPORT WELDMENT	M				
	E-MD-7421634-0-0	FAN TRAY SUPPORT FRONT	M				
	E-MD-7421633-0-0	FAN TRAY SUPPORT REAR	M				
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE BALL-A UNIT ASSY.			SHEET 3 OF 3
DRB 108A				SIZE CODE B DD			NUMBER BALL-A-0
							REV *

TW



DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY JOHN NAGLE DATE 8 APRIL 1979		CHECKED <i>[Signature]</i> DATE 6/29/79		SECTION															
ENG <i>Ron Boudreau</i> DATE 6/29/79		PROD <i>John Conella</i> DATE 8 JUL 79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	BA11-AA	BA11-AB												REF DESIGNATION		
1	E-AD-7016391-0-0		BA11 BOX ASSY	1	1														
2	E-UA-H7140-0-0		H7140-AA PWR SUPPLY 120V	1	—														
3	E-UA-H7140-0-0		H7140-AB PWR SUPPLY 240V	—	1														
4	9006690-00		LOCKWASHER #8 SPLIT RING	6	6														
5	9006418-01		SCREW 8-32 X .38 TAPTITE	6	6														
6	A-SP-3700472-0-0		PACKAGING INSTRUCTIONS	REF	REF														
7	D-AD-7016888-0-0		POWER DISTRIBUTION BOARD	1	1														
8	9006039-01		SCREW #8-32 X .50 PLIPS PAN HD	6	6														
9	9006661-00		#8 FLAT WASHER	6	6														
10	9006690-00		#8 HELICAL SPLIT LOCKWASHER	6	6														

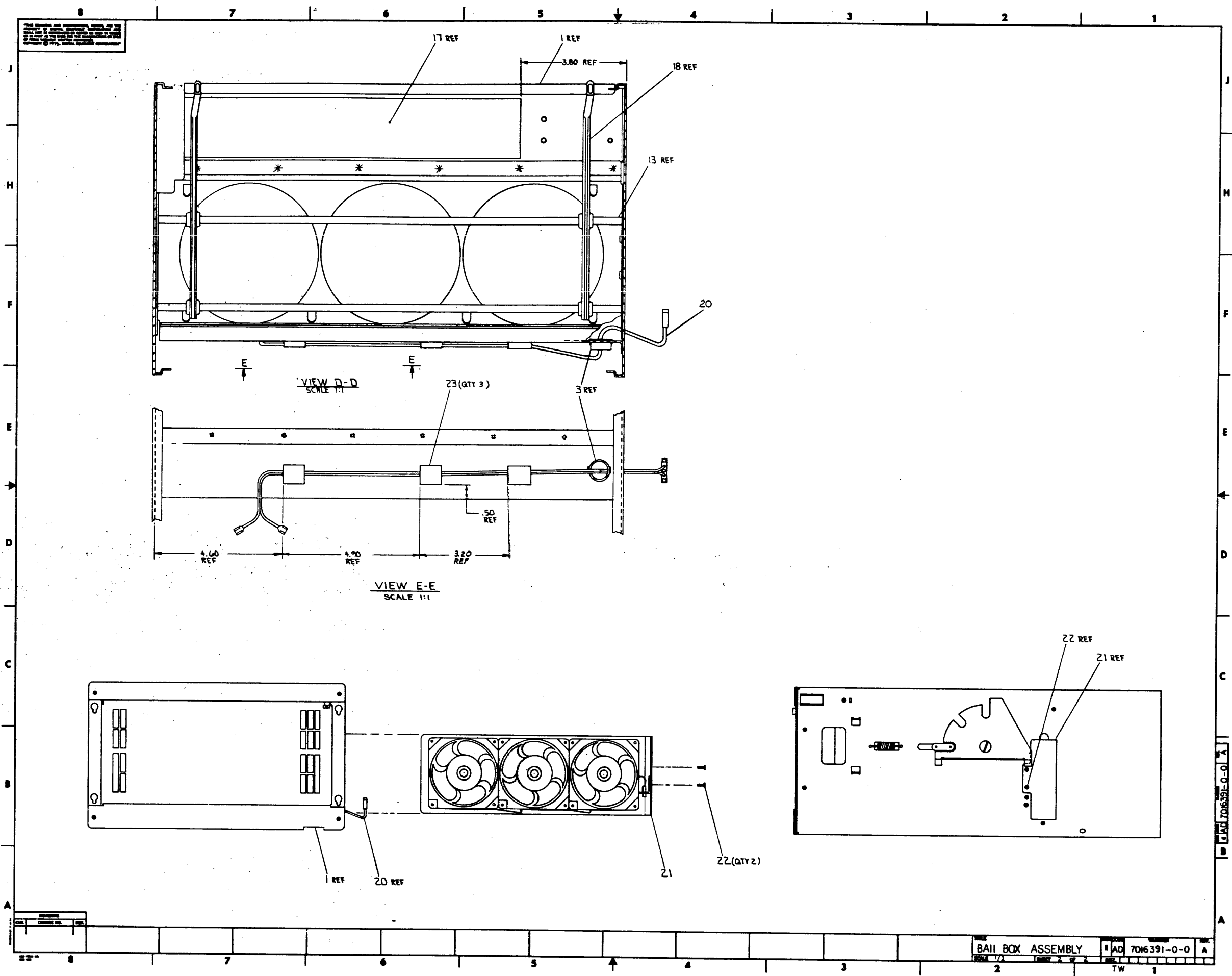
E.C.O. NO.	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT ©1979 DIGITAL EQUIPMENT CORPORATION			TITLE BA11-A UNIT ASSEMBLY		ASSY NO. E-UA-BA11-A-0		SIZE B	CODE PL	NUMBER BA11-A-0		REV. *
				SHEET 1 OF 1		INSERTION PARTS LIST DATA BASE REV						



NOTES:

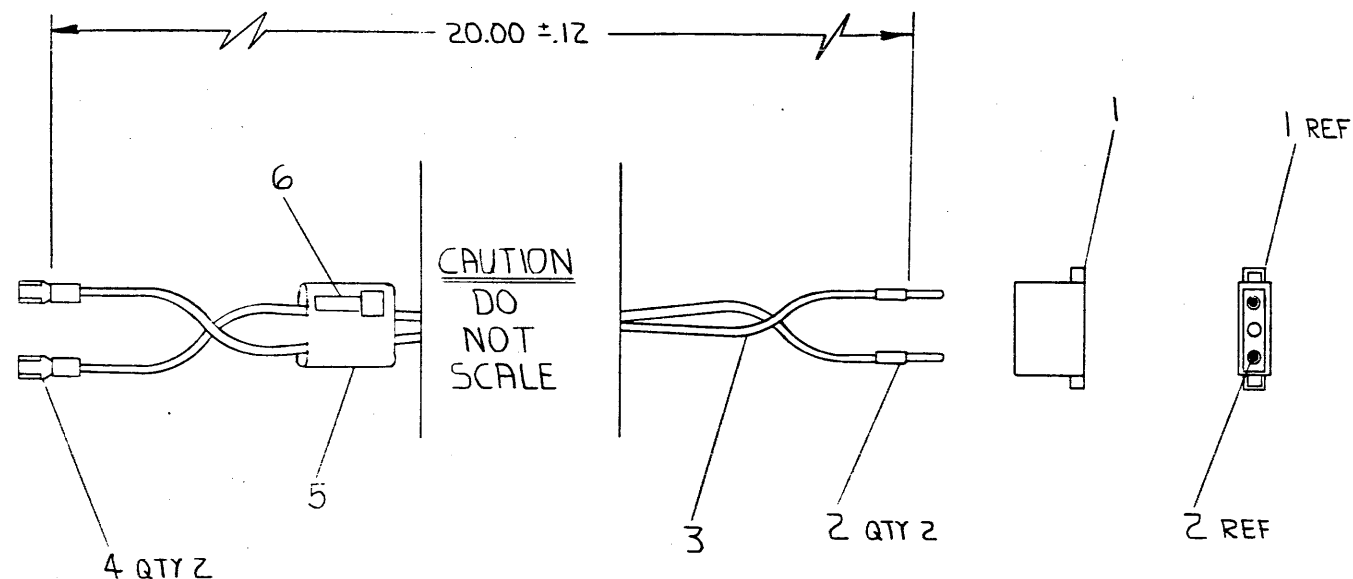
SEE OFF SHEET PARTS LIST
B-PL-7016391-0-0

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	REVISION
1	BAI BOX ASSEMBLY	1	EA	1
2	BAI BOX ASSEMBLY	1	EA	2
3	BAI BOX ASSEMBLY	1	EA	3
4	BAI BOX ASSEMBLY	1	EA	4
5	BAI BOX ASSEMBLY	1	EA	5
6	BAI BOX ASSEMBLY	1	EA	6
7	BAI BOX ASSEMBLY	1	EA	7
8	BAI BOX ASSEMBLY	1	EA	8
9	BAI BOX ASSEMBLY	1	EA	9
10	BAI BOX ASSEMBLY	1	EA	10
11	BAI BOX ASSEMBLY	1	EA	11
12	BAI BOX ASSEMBLY	1	EA	12
13	BAI BOX ASSEMBLY	1	EA	13
14	BAI BOX ASSEMBLY	1	EA	14
15	BAI BOX ASSEMBLY	1	EA	15
16	BAI BOX ASSEMBLY	1	EA	16
17	BAI BOX ASSEMBLY	1	EA	17
18	BAI BOX ASSEMBLY	1	EA	18
19	BAI BOX ASSEMBLY	1	EA	19
20	BAI BOX ASSEMBLY	1	EA	20



DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY J. NAGLE DATE 8 JUNE 1979		CHECKED <i>[Signature]</i> DATE 6/29/79		SECTION															
ENG <i>Rev. [Signature]</i> DATE 6/24/79		PROD <i>John Conella</i> DATE 6 JUL-79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	7016391-0-0	7016391-1-0												REF DESIGNATION		
1	E-IA-7016493-0-0		BA11 BOX FRAME ASSY	1	1														
2		9010107-00	CARD GUIDE (FAN TRAY)	2	2														
3		9007783-00	SNAP BUSHING	1	1														
4		1216189	RETRACTOR, SLIDE PAWL	2	2														
5		1216190	SPRING, SLIDE PAWL	2	2														
6	B-MD-7421611-0-0		SLIDE PAWL	2	2														
7	B-MD-7421444-0-0		PLATE, SLIDE NUT	2	2														
8		1216785	SEMS SCREW, PHIL TRUSS HD #10-32X.437 INT TOOTH	4	4														
9		9007035-00	GROMMET, CATAPILLER TYPE 5.70 INCHES	1	1														
10	D-MD-7421613-0-0		PLATE, SLIDE INDEX, RIGHT HAND	1	1														
11	D-MD-7421613-0-1		PLATE, SLIDE INDEX, LEFT HAND	1	1														
12		1216197	PIVOT SCREW	2	2														
13	B-MD-7421612-0-0		BAR, GUIDE MOUNTING	2	2														
14		1215848-0	CARD GUIDE (NATURAL)	15	15														
15		1215848-1	CARD GUIDE (BLACK)	14	14														
16		9010118-00	SCREW, NYLOCK 100° C SINK PHLP HD .31X#10-32	4	4														
17		9009087	FOAM TAPE, .125 X 2.10 X 12"	1	1														
18		1212405-0	CARD GUIDE (SNAP IN) WHITE	15	15														
19		1212405-10	CARD GUIDE (SNAP IN) BLACK	14	14														
20	C-IA-7016901-0-0		FAN POWER HARNESS	1	-														
21	D-AD-7016472-0-0		FAN TRAY ASSY	1	-														
22		9010120-00	SCREW 6-32 X .187 NYLOCK	2	-														
23		9009636-00	CABLE CLAMP	3	3														
E.C.O. NO. TWOOI																			
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

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1	TIE, CABLE SSTI-M	9007031-00	6
1	CABLE, CABLE I.D.	9009532-00	5
2	TERM. GCK 1 POS INS 22-18A ROLL	9007970-00	4
W/R	WIRE, 18 AWG TWST PAIR	9107430-29	3
2	PIN, MATE'N LOC 18 AWG	1209378-00	2
1	CONN, MATE'N LOC 3 PIN	1209351-03	1

			DESCRIPTION				DWG./PART NO.		ITEM NO.	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
			ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
					OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
			SURFACE QUALITY IN	MEDIUM ☐	±.004	±.008	±.012	±.016	±.024	±.04
QUANTITY & VARIATION	MICROINCHES	PREFERRED ☐	±.012	±.016	±.025	±.04	±.063	±0.1		

THIRD ANGLE PROJECTION	DRN <i>John A. Lope</i> 6/24/79	FIRST USED ON	BAIL-A	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>P. L.</i> 9/11/79	TITLE	FAN POWER HARNESS	
DO NOT SCALE DWG	ENG. <i>P. L.</i> 4/14/79	SIZE	CODE	NUMBER
MATERIAL	PROJ. ENG. <i>P. L.</i> 6-29-79	C	IA	7016901-0-0
FINISH	PROD. <i>P. L.</i> 29 Jun 79	DIST.		REV. A
	NEXT HIGHER ASSY.			
	EAD-7016391-0-0			
	SCALE NONE			
	SHEET 1 OF 1			

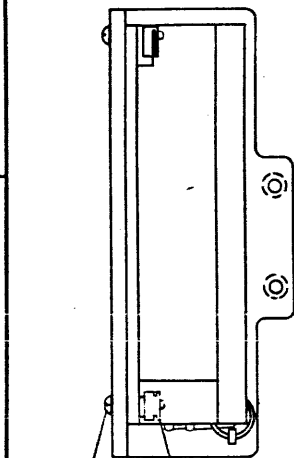
REV.	CHANGE NO.	DATE
A	1	5/2/79
J. NAGLE		

REVISIONS

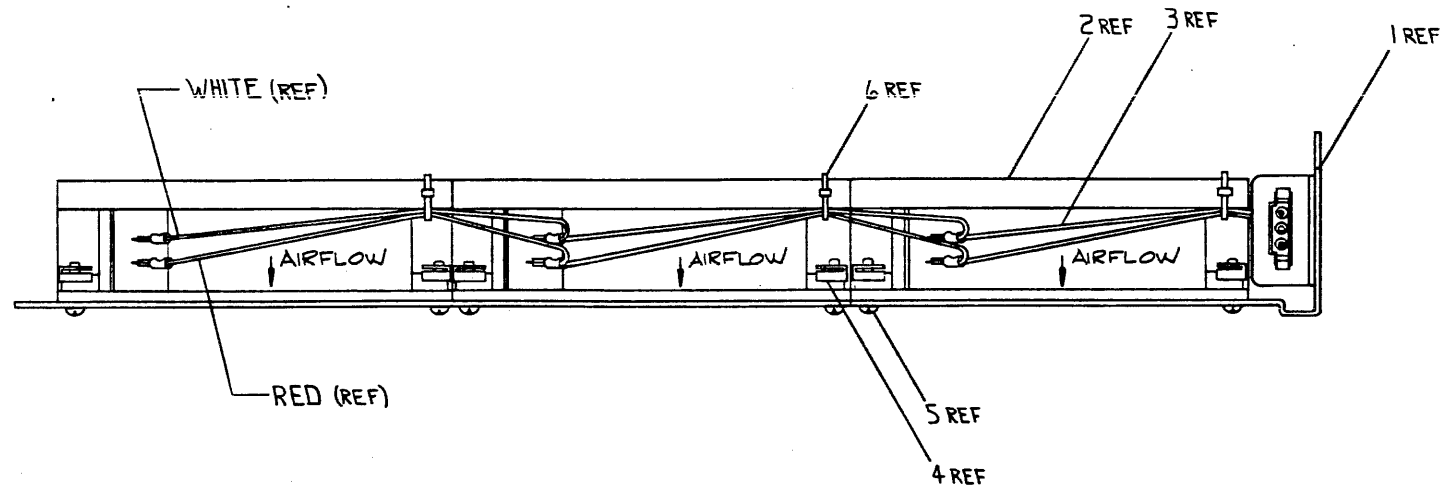
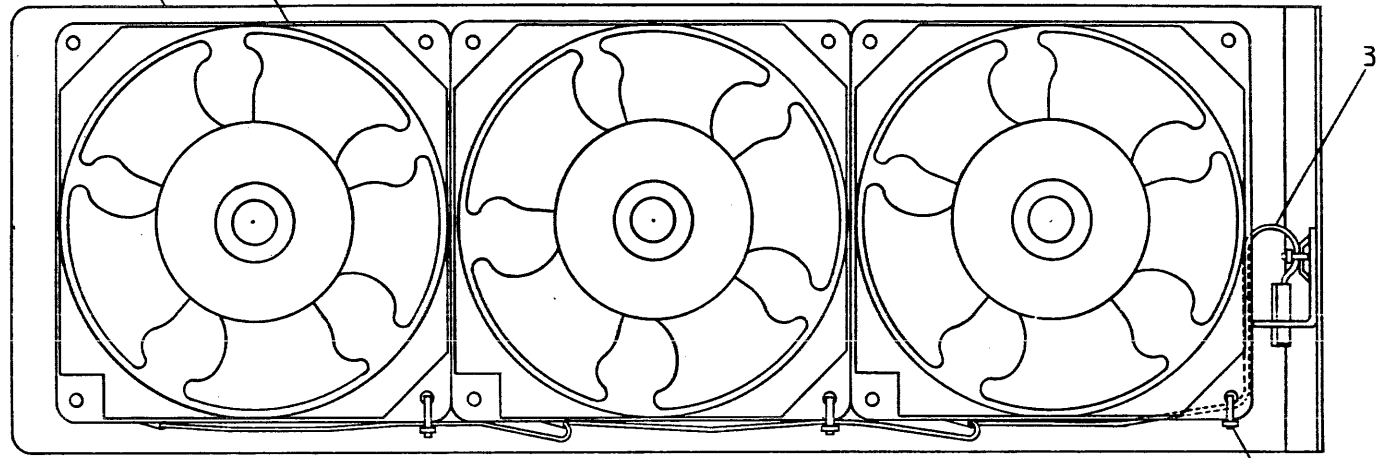
4 3 2 1

TW 1

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5 (QTY 12) 4 (QTY 12)



4	TIE WRAP	9007031-00	6
12	SCREW TRUSS HD 6-32x62	9006025-03	5
12	CLIP FAN	9009165-02	4
1	CABLE FAN ASSEMBLY	D-1A-7016392-0-0	3
3	FAN, 35V, 70 HZ, SQ WAVE	1216563-00	2
1	FAN TRAY & BRKT ASSY	D-AD-7016376-0-0	1

DESCRIPTION			DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES MIN 30°		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY IN	☒	ISO/KOCH ONE	OVER 0	OVER 0.2	OVER 0.5	OVER 12.0
			0.2	1.2	4.0	12.0
☒	MEDIUM	☐	0.004	0.008	0.012	0.004
	PREFERRED	☐	0.012	0.016	0.020	0.004
MICRONICHES			0.01			
DRN. <i>Shaf 7016</i>			FIRST USED ON			
CHK'D <i>J.F. Saw 11/13/79</i>			BAIL-A <i>digital</i>			
ENG. <i>By Engineering</i>			TITLE			
PROJ. ENG. <i>By 11/16/79</i>			FAN TRAY			
PROOF <i>By 11/16/79</i>			ASSEMBLY			
NEXT HIGHER ASSY.			E-AD-1016391-0-0			
SCALE 1:1			SIZE D		NUMBER	REV. 8
SHEET 1 OF 1			AD 7016472-0-0			
			DIST.			

REV.	CHANGE NO.	DATE	BY	CHK
A	1	10/16/78	W.R.HALL	
B	1	10/16/78	W.R.HALL	
C	1	10/16/78	W.R.HALL	
D	1	10/16/78	W.R.HALL	

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

UNIT VARIATIONS COVERED BY THIS PRINT SET

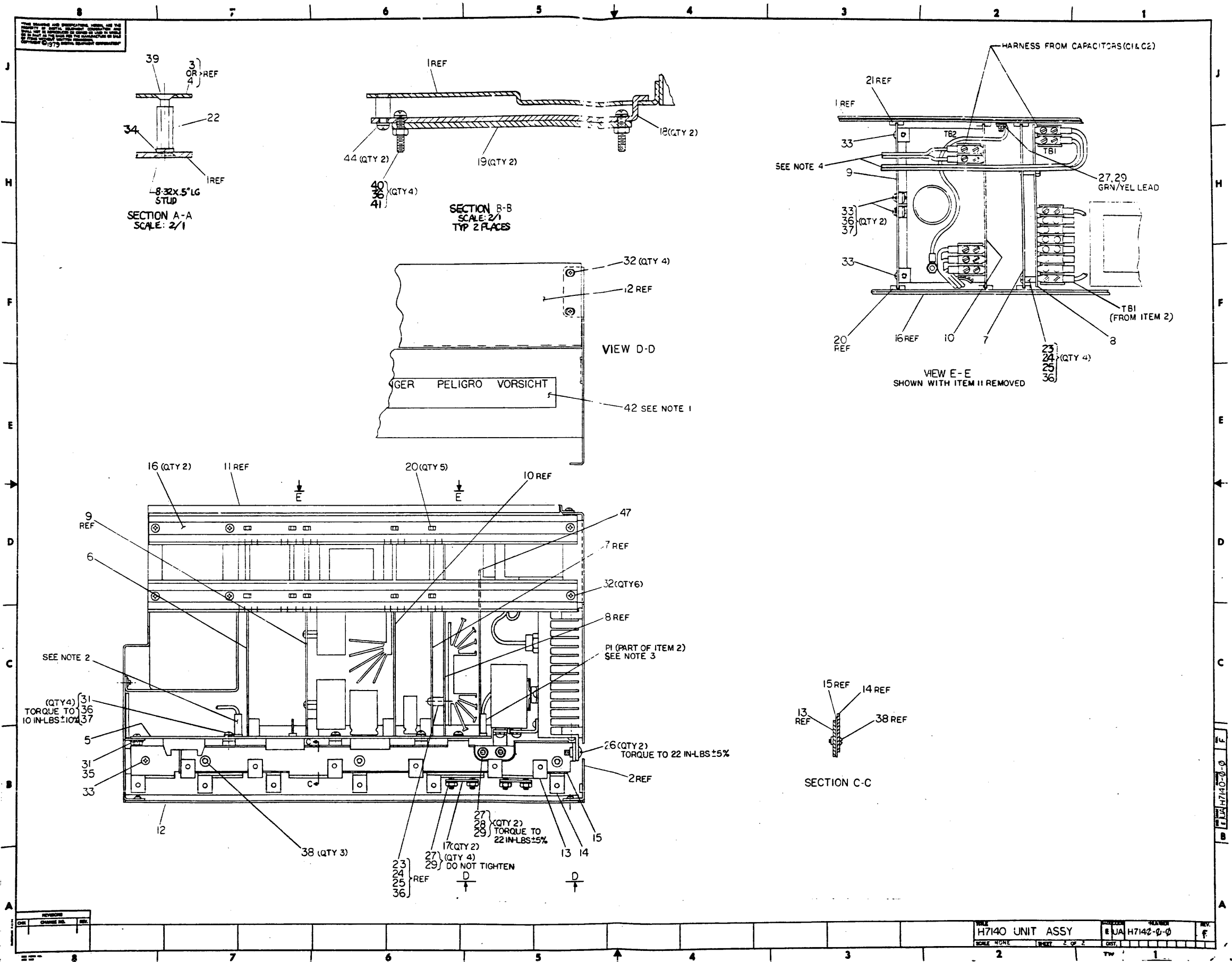
Field Maintenance Print Set

Digital Equipment Corporation

SIZE B	CODE TC	NUMBER H7140-0-1	REV. *
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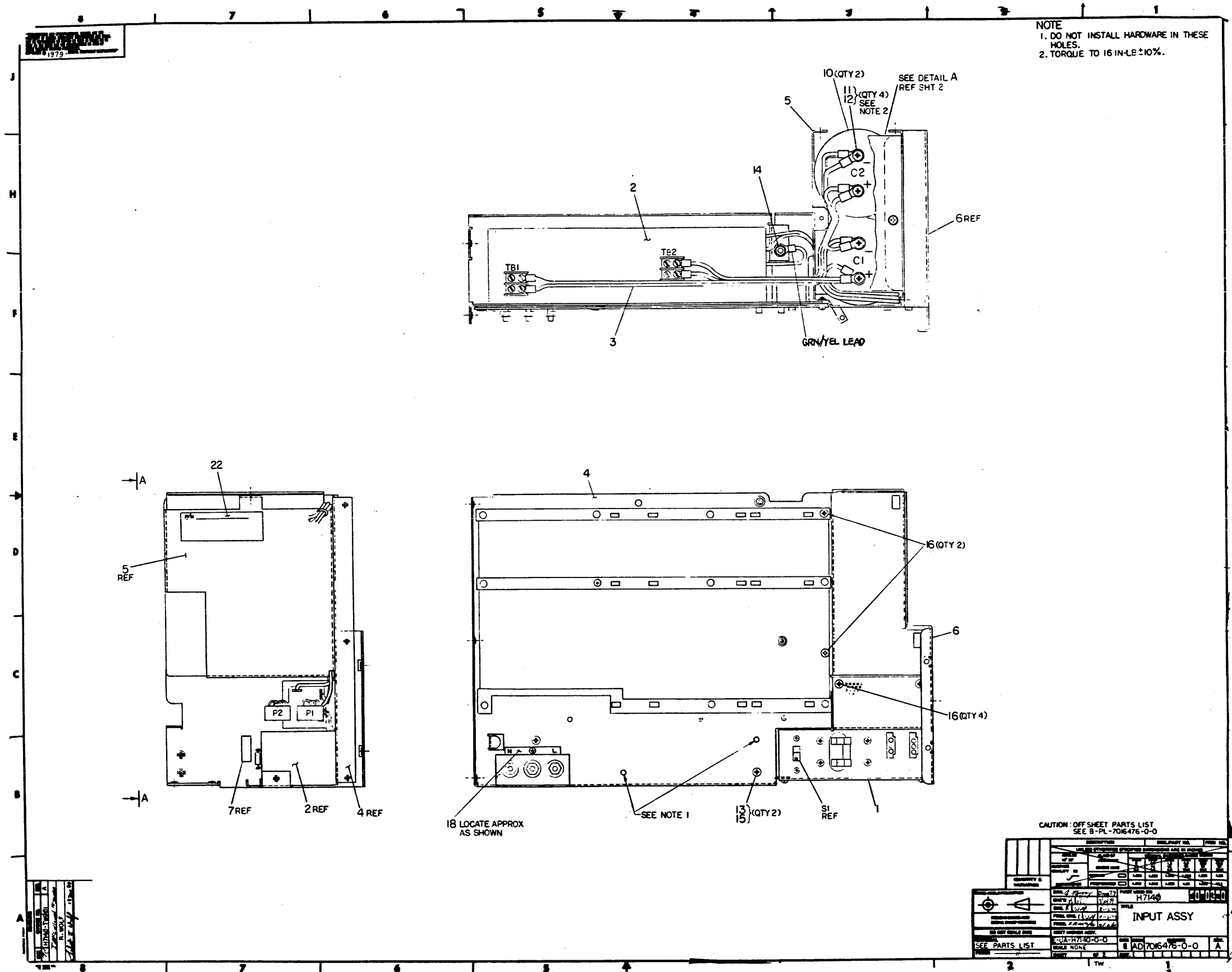
REVISIONS	REV		USED ON OPTION/MODEL	DRN.	DATE	TITLE: UNIT ASSEMBLY digital								
	CHG. NO.			M. CARROLL	10/24/79									
	DATE			CHK'D	DATE									
					<i>[Signature]</i>	12-1-79								
					PROJ. ENG.	DATE								
					<i>[Signature]</i>	12/3/79								
					FIELD SERV.	DATE								
DRB 124			SHEET 1 OF 1	<i>W. Macy</i>	11/16/79									
				DIST.	B	TC	NUMBER H7140-0-1				REV. *			

TH

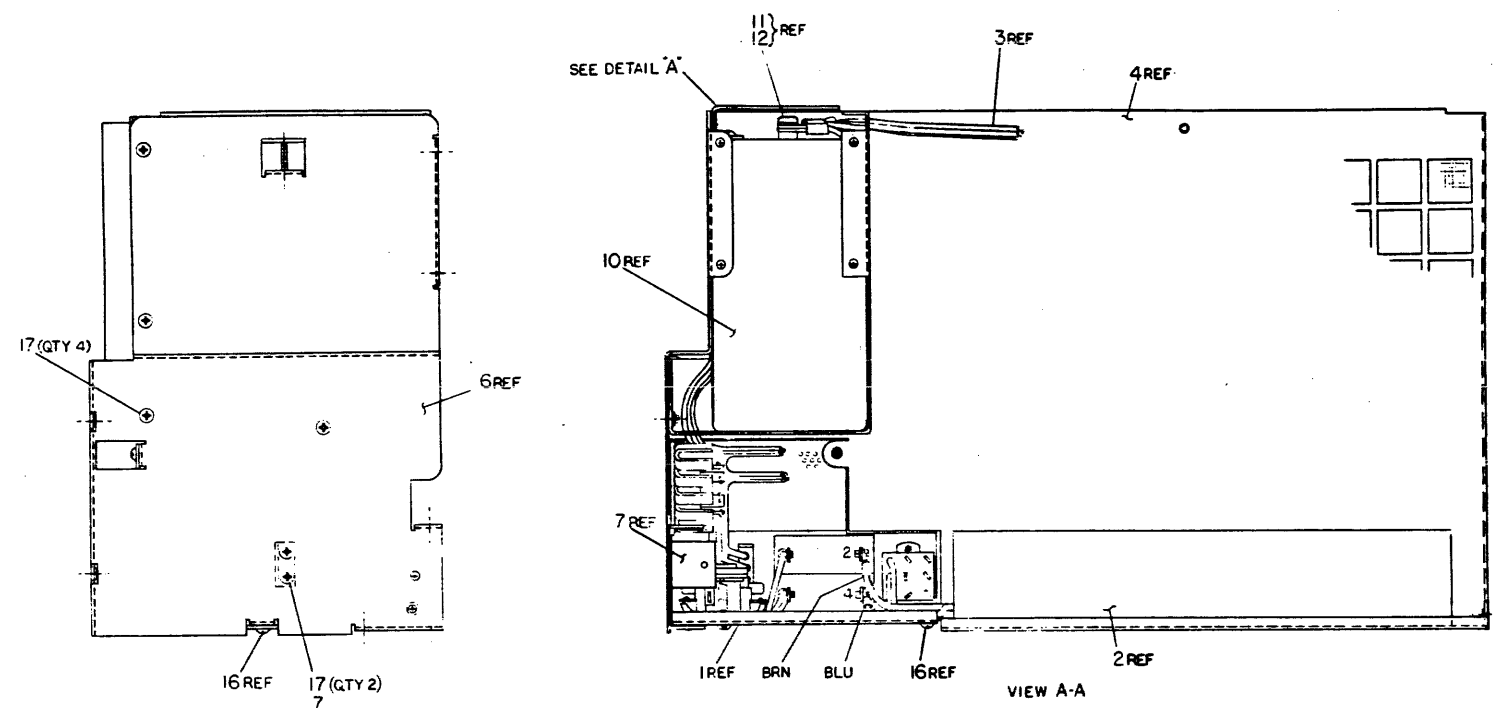


DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:				
MADE BY DATE		CHECKED DATE		SECTION		H7140-AA	H7140-AB	H7140-BA	H7140-BB											
ENG DATE		PROD DATE		ISSUED SECTION																
																REF DESIGNATION				
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																	
1	E-AD-7016476-0-0	7016476-00	INPUT ASSY	1	1	1	1													
2	E-AD-7016054-0-0	7016054-00	OUTPUT PANEL ASSY	1	1	1	1													
3	D-AD-7016478-0-0	7016478-00	A.C. POWER CORD ASSY (120V)	1	-	1	-													
4	D-AD-7016478-1-0	7016478-01	A.C. POWER CORD ASSY (220V - 240V)	-	1	-	1													
5	E-UA-5413615-00	5413615-00	MOTHER BOARD, H7140	1	1	1	1													
6	D-UA-5413605-00	5413605-00	BIAS & INTERFACE BOARD	1	1	1	1													
7	D-UA-5413601-00	5413601-00	LOGIC INVERTER CONTROL BOARD	1	1	1	1													
8	D-UA-5413599-00	5413599-00	LOGIC INVERTER BOARD	1	1	1	1													
9	D-UA-5413607-00	5413607-00	MEMORY REGULATOR BOARD	1	1	0	0													
10	D-UA-5413603-00	5413603-00	MEMORY INVERTER BOARD	1	1	1	1													
11	D-MD-7422396-0-0	7422396-00	COVER, TOP	1	1	1	1													
12	D-MD-7421436-0-0	7421436-00	COVER, PWR SUPPLY, BOTTOM	1	1	1	1													
13	D-MD-7422042-0-0	7422042-00	BUS, +5V	1	1	1	1													
14	D-MD-7422041-0-0	7422041-00	BUS BAR, RETURN	1	1	1	1													
15	D-MD-7422044-0-0	7422044-00	INSULATOR, BUS	1	1	1	1													
16	D-MD-7421437-0-0	7421437-00	BRACKET, CARD GUIDE MTG	2	2	2	2													
17	D-MD-7422731-0-0	7422731-00	BRACKET, MOUNTING	2	2	2	2													
18	C-MD-7423066-0-0	7423066-00	BRACKET, CABLE ROUTING	2	2	2	2													
19	B-MD-7423067-0-0	7423067-00	CLAMP, CABLE	2	2	2	2													
20		1212405-11	CARD GUIDE, NYLON (SHORT)	5	5	5	5													
21		1212405-04	CARD GUIDE, NYLON (LONG)	5	5	5	5													
22		9009246-00	SPACER HEX #8-32 X .75 LG	1	1	1	1													
23		9006844-00	SPACER, HEX A.L. #6-32 X .375 LG	4	4	4	4													
24		9007794-01	SCR, PAN, PHIL #6-32 X 11/16 LG	4	4	4	4													
25		9008957-00	NUT, HEX #6-32 X 1/4 AF	4	4	4	4													
26		9010119-00	SCR PHL TRUSS HD #10-32 X .50 LG	2	2	2	2													
27		9009005-00	NUT, HEX #10-32	7	7	7	7													
ECO. NO. H7140-TW001 H7140-TW002 H7140-TW003 H7140-TW004 H7140-TW005																				
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								SHEET 1 OF 2				INSERTION PARTS LIST DATA BASE REV								

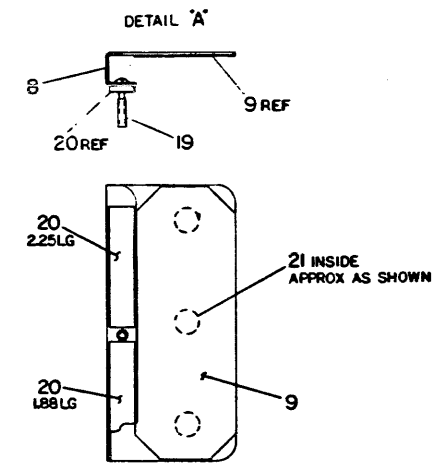
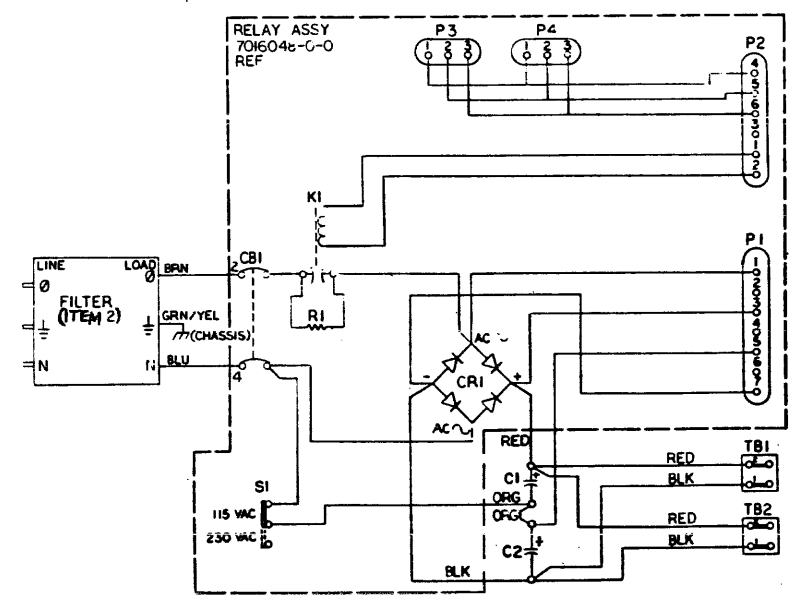
DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:							
MADE BY DATE		A. MOWRY 8/15/79		CHECKED DATE		F. Mowry 8/17/79		SECTION															
ENG DATE		Robert J. Way 8/17/79		PROD DATE		F. Mowry 8/17/79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	H7140-AA	H7140-AB	H7140-BA	H7140-BB										REF DESIGNATION						
28		9006664-00	WASHER, FLAT #10	2	2	2	2																
29		9007906-00	WASHER, SPLIT, LOCK #10	7	7	7	7																
30		9006037-01	SCR PHL PAN HD #8-32 X .38 LG	2	2	2	2																
31		9006022-01	SCR PHL PAN HD #6-32 X .38 LG	5	5	5	5																
32		9009796-00	SCR PHL FLAT HD #6-32 X 1/4 LG SELF TAP	14	14	14	14																
33		9009798-00	SCR PHL PAN HD #6-32 X 5/16 LG SELF TAP	11	11	11	11																
34		9006690-00	WASHER, SPLIT, LOCK #8	3	3	3	3																
35		9009243-00	NUT, KEP #6-32	1	1	1	1																
36		9007801-00	WASHER, SPLIT, LOCK #6	14	14	14	14																
37		9006656-00	WASHER, FLAT #6	6	6	6	6																
38		9008212-00	SCR NYLON SLTD PAN HD #6-32 X 7/16 LG	3	3	3	3																
39		9006039-02	SCR PHL FLAT HD #8-32 X .5 LG	1	1	1	1																
40		9009587-01	SCR PHL PAN HD #6-32 X .62 SELF TAP	4	4	4	4																
41		9008957-00	NUT, HEX #6-32	4	4	4	4																
42		3615037-02	LABEL, "DANGER HIGH CURRENT"	1	1	1	1																
43		3616930-00	LABEL, DANGER STORED HIGH VOLTAGE	1	1	1	1																
44		9009791-00	SCREW, SEMS, PHL PAN HD #6-32 X 5/16 LG	4	4	4	4																
45		9009087-00	FOAM, TAPE, SINGLE SIDED 1/8 X 2.10	2.25	2.25	2.25	2.25																
46	D-UA-5413607-00	5413607-YA	MEMORY REGULATOR BOARD	0	0	1	1																
47	B-MD-7424586-0-0	7424586-00	INSULATOR, HEATSINK	1	1	1	1																
E.C.O. NO.																							
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				SHEET 2 OF 2				INSERTION PARTS LIST DATA BASE REV															



7016476-0-0

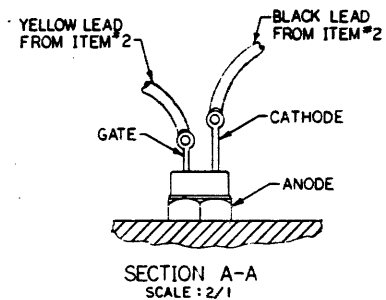


VIEW A-A

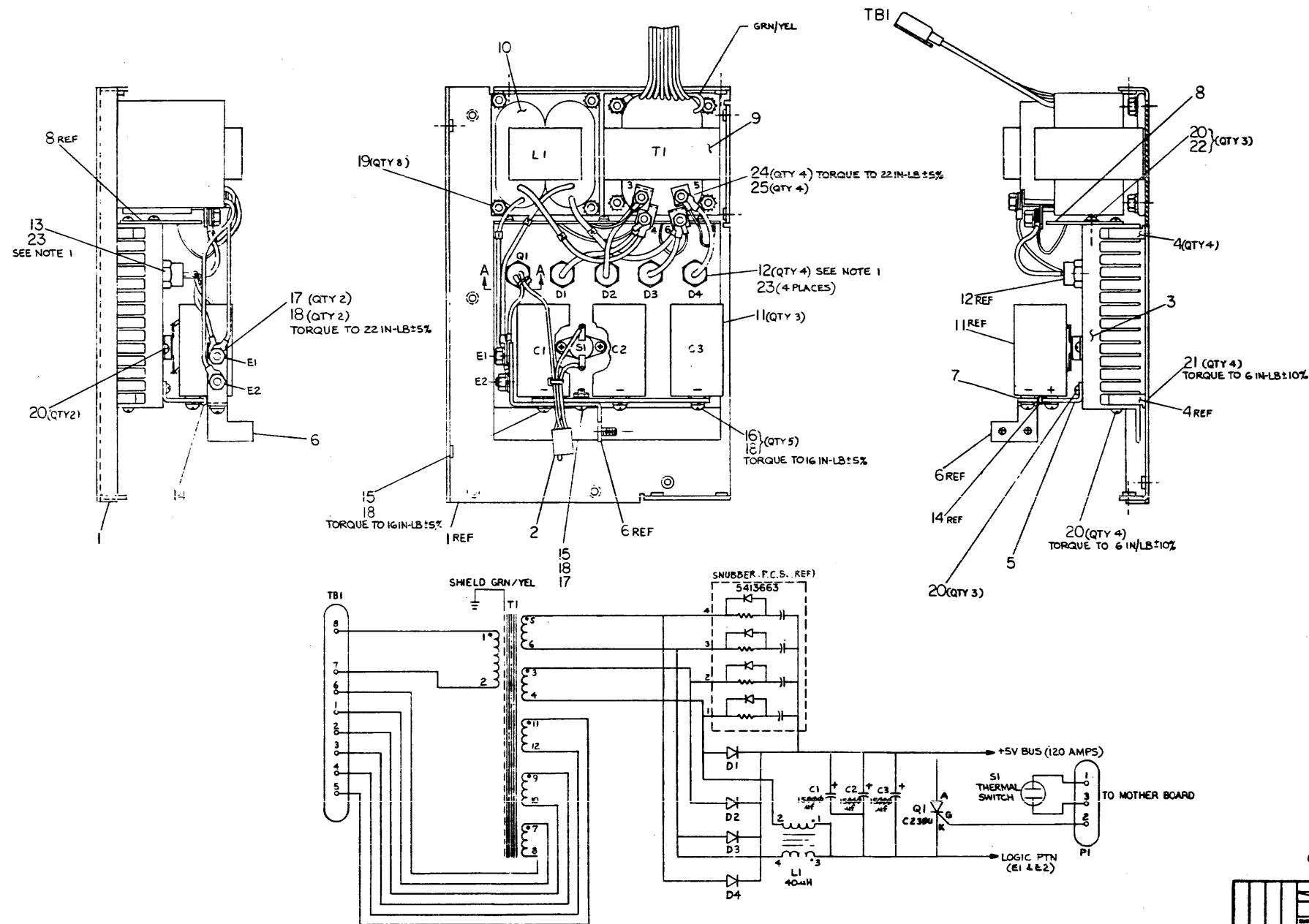


DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY A. MOWRY DATE 04-09-79		CHECKED <i>gk</i> DATE 8/10/79		SECTION															
ENG <i>Robert J. Woy</i> DATE 8-10-79		PROD <i>F. MUNIZ /a</i> DATE 8/10/79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
1	E-AD-7016048-0-0	7016048-00	RELAY ASSY	1															
2	C-IA-7016898-0-0	7016898-00	FILTER, RFI, ASSY	1															
3	D-IA-7016477-0-0	7016477-00	HARNESS, 300V	1															
4	D-IA-7016926-0-0	7016926-00	CHASSIS ASSY, REAR	1															
5	D-MD-7421433-0-0	7421433-00	BRACKET, CAPACITOR	1															
6	D-MD-7421438-0-0	7421438-00	PANEL, SIDE	1															
7	B-MD-7423546-0-0	7423546-00	BLOCK, MTG	1															
8	B-MD-7422382-0-0	7422382-00	CLAMP, CAPACITOR	1															
9	B-MD-7422401-0-0	7422401-00	INSULATOR, CAPACITOR	1															
10		1014336-00	CAPACITOR, 4500 uf/200 VDC, E	2															
11		9006072-01	SCR, PHL PAN HD SS #10-32 x .438 LG	4															
12		9007906-00	WASHER, SPLIT, LOCK #10	4															
13		9006037-01	SCR, PHL PAN HD SS #8-32 x .375 LG	2															
14		9006565-00	NUT, KEP CS/CAD #10-32 x 3/8 AF	1															
15		9006690-00	WASHER, SPLIT, LOCK #8	2															
16		9009708-00	SCREW, PHL PAN HD SELF TAP #6-32 x .312	6															
17		9009796-00	SCR, PHL FLAT HD SELF TAP #6-32 x .250	6															
18		3617016-00	LABEL, N-GROUND-L	1															
19		9010133-00	SCREW, PHILL PAN HD #8-32 x .88 LG	1															
20		9009342-00	FOAM TAPE ADH. BACK .50 x .125	.35	FT														
21		9009157-00	ADHESIVE, PERMABOND #101	A/R															
22		9009255-00	LABEL, POWER SUPPLY	1															
E.C.O. NO. H7140-TW001																			
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

INTERCONNECTION TABLE		REMARKS
FROM	TO	
D1	T1-4	
L1-2		
WIRE #1 ITEM 8		
D2	T1-3	
WIRE #2 ITEM 8		
D3		
L1-4	T1-6	
WIRE #3 ITEM 8		
D4		
WIRE #4 ITEM 8		
T1-GRN/YEL	MTD STUD	
YEL LEAD ITEM 2	Q1-GATE	
BLK LEAD ITEM 2		
Q1-CATHODE	E1	
L1-3		
L1-1	E2	



NOTES:
1. ITEMS 12 & 13 (D1-D4 & Q1) MUST SEAT FLUSH ON HEATSINK (ITEM 3). USE ITEM 23 (DINTCHPND) UNDER ITEMS 12 & 13. TORQUE TO 25 IN-LBS MIN. UNTIL FULLY SEATED.



CAUTION: OFF SHEET PARTS LIST
SEE B-PL-7016054-0-0

ITEM NO.	DESCRIPTION	QUANTITY	REMARKS
1	...	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...
11	...	...	...
12	...	...	...
13	...	...	...
14	...	...	...
15	...	...	...
16	...	...	...
17	...	...	...
18	...	...	...
19	...	...	...
20	...	...	...
21	...	...	...
22	...	...	...
23	...	...	...
24	...	...	...
25	...	...	...

OUTPUT PANEL ASSY

SEE PARTS LIST

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:							
MADE BY DATE		CHECKED DATE		SECTION		7016054-00	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION											
ENG DATE		PROD DATE		ISSUED SECTION																	
A. Mowry 07/02/79		7/29/79																			
Robert J. Wolf 7-26-79		Manuel Hidalgo (R.J.W.) 7-31-79																			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															REF DESIGNATION			
1	D-MD-7421434-0-0	7421434-00	CHASSIS, SIDE	1																	
2	D-IA-7016511-0-0	7016511-00	OVERTEMP CABLE & SWITCH ASSY	1																	
3		1216648-00	HEAT SINK	1																	
4		1216965-00	MTG BLOCK, INSULATED	4																	
5	B-MD-7422038-0-0	7422038-00	CAP., BRKT POS.	1																	
6	B-MD-7422037-0-0	7422037-00	BRKT, RETURN BUS	1																	
7	B-MD-7422036-0-0	7422036-00	BRKT, CAP NEG.	1																	
8	D-UA-5413663-0-0	5413663-00	SNUBBER P.C.B.	1																	
9	C-IA-7016056-0-0	7016056-00	XFORMER, PWR, HIGH FREQ ASSY	1	T1																
10	C-IA-7016055-0-0	7016055-00	CHOKE, OUTPUT DOUBLE SECTION ASSY	1	L1																
11		1014338-00	CAPACITOR, 15,000 MFD 7.5V $\pm$ 20%	3	C1	C2	C3														
12		1114197-00	RECTIFIER PLU=45 I=60	4	D1	D2	D3	D4													
13		1109978-00	RECTIFIER, C230V SCR @ 25V I = 25A	1	Q1																
14		9007036-00	GROMMET, CATERPILLAR	.33	FT																
15		9006071-01	SCR PHL PAN HD #10-32 X .38	2																	
16		9006070-01	SCR PHL PAN HD #10-32 X .31	5																	
17		9009005-00	NUT, HEX #10-32 X $\frac{1}{4}$ AF	3																	
18		9007906-00	WASHER, SPLIT LOCK #10	9																	
19		9006563-00	NUT, KEP #8-32 X 11/32 AF	8																	
20		9009708-00	SCR, PHL PAN HD SELF TAP #6-32 X .31	12																	
21		9009796-00	SCR PHL (FLT) HD SELF TAP #6-32 X .25	4																	
22		9009882-00	WASHER, LOCK INT TOOTH #6	3																	
23		9008268-00	COMPOUND, THERMAL JOINT	A/R																	
24		9006561-00	NUT, HEX #8-32 x 5/16 AF	4																	
25		9006690-00	WASHER, LOCK, S.S. #8	4																	
E.C.O. NO.																					
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								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV									

TW

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY DATE A. MOWRY 03/27/79		CHECKED DATE 7/27/79		SECTION															
ENG DATE Robert J. Wref 7-27-79		PROD DATE Manuel Hildner (R.J.W.) 7-31-79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
1	D-IA-7016049-0-0	7016049-00	HARNESS, A.C. INPUT	1															
2	D-MD-7422040-0-0	7422040-00	BRACKET, INPUT	1															
3		1216688-00	HEAT SINK	1															
4		1216206-00	RELAY, PWR 12V COIL. SPST 30A	1															
5		1212124-01	CKT BKR, 2 P SERIES TRIP, 20A 240V	1															
6	C-IA-7016923-0-0	7016923-00	SWITCH ASSY	1															
7		1116216-00	BRIDGE RECTIFIER IF = 30A, 600V VR	1															
8		9006966-00	TERMINAL, P.C.B. 2 POS INS, TURRET	2															
9		1314848-00	RESISTOR 3 OHM 5% 7 WATT	1															
10		9000039-06	SCR, PHIL, FLAT HD #4-40 x .187	2															
11		9006020-01	SCR, PHIL, PAN HD #6-32 x .250	6															
12		9006021-01	SCR, PHIL, PAN HD #6-32 x .312	1															
13		9009243-00	NUT, KEP #6-32 x 5/16 AF S.S.	1															
14		9007801-00	WASHER, LOCK SS #6	7															
15		9107560-03	WIRE BUSS #18 AWG	.21	FT														
16		9007036-00	GROMMET, CATERPILLAR	.25	FT														
17		9009157-00	ADHESIVE, PERMABOND	A/R															
18		9007031-00	TIE, CABLE SST1-M	3															
19		9009255-00	LABEL, POWER SUPPLY	1															
20		3615680-00	LABEL, SWITCH POSITION, ADH BACK	1															
E.C.O. NO.																			
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				RELAY ASSY				E-AD-7016048-0-0				B	PL	7016048-0-0		*			
				SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV											

TW

8 7 6 5 4 3 2 1

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0-0-826902090 2

PARTS LEGEND

PART NO.	VARIATION
7016478-00	120V (H7140AA)
7016478-01	220V-240V (H7140AB)

NOTES:

1. OUTSIDE JACKET OF ITEM 1 OR 2 (LINE CORD) TO EXTEND APPROX .25 IN. BEYOND CLAMPING AREA OF ITEM 4 (CABLE CLAMP).

5REF

3

A

8 OR 9

H7140AA

10 (FARSIDE)

1 OR 2

SEE NOTE 1

5 (QTY 2)

3 REF

4 REF

4 (QTY 2)

6 (QTY 2)

7 (QTY 2)

SECTION A - A
SCALE: 2/1

QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	LABEL, PWR SUPPLY	9009255-00	10
1	LABEL, H7140AB (220-240V)	3616977-01	9
1	LABEL, H7140AA (120V)	3616977-00	8
2	WASHER, FLAT #8-32X1.875	9006660-00	7
2	NUT, KEP #8-32X1.875 AF	9006563-00	6
2	SCR, FLAT, PHIL #8-32X1.875 LG	9006042-02	5
2	CLAMP, CABLE	1215566-00	4
1	COVER, A.C.	D-MD-74220480-0	3
1	CORD ASSY, LINE (220-240V)	D-1A-7016907-1-0	2
1	CORD ASSY, LINE (120V)	D-1A-7016907-0-0	1

7016478-01

7016478-00

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
ANGLES 30° 30'	OVER 12.0 TO 48.0
SURFACE QUALITY IN	OVER 12.0 TO 48.0
MICROINCHES	OVER 12.0 TO 48.0

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN. 5-16-79

CHK'D 2-18-79

ENG. 8-10-79

PROJ. ENGR. 8-10-79

PROD. 8-10-79

FIRST USED ON H7140

TITLE POWER CORD ASSY

SIZE CODE NUMBER REV.

D AD 7016478-0-0 *

SHEET 1 OF 1

THW

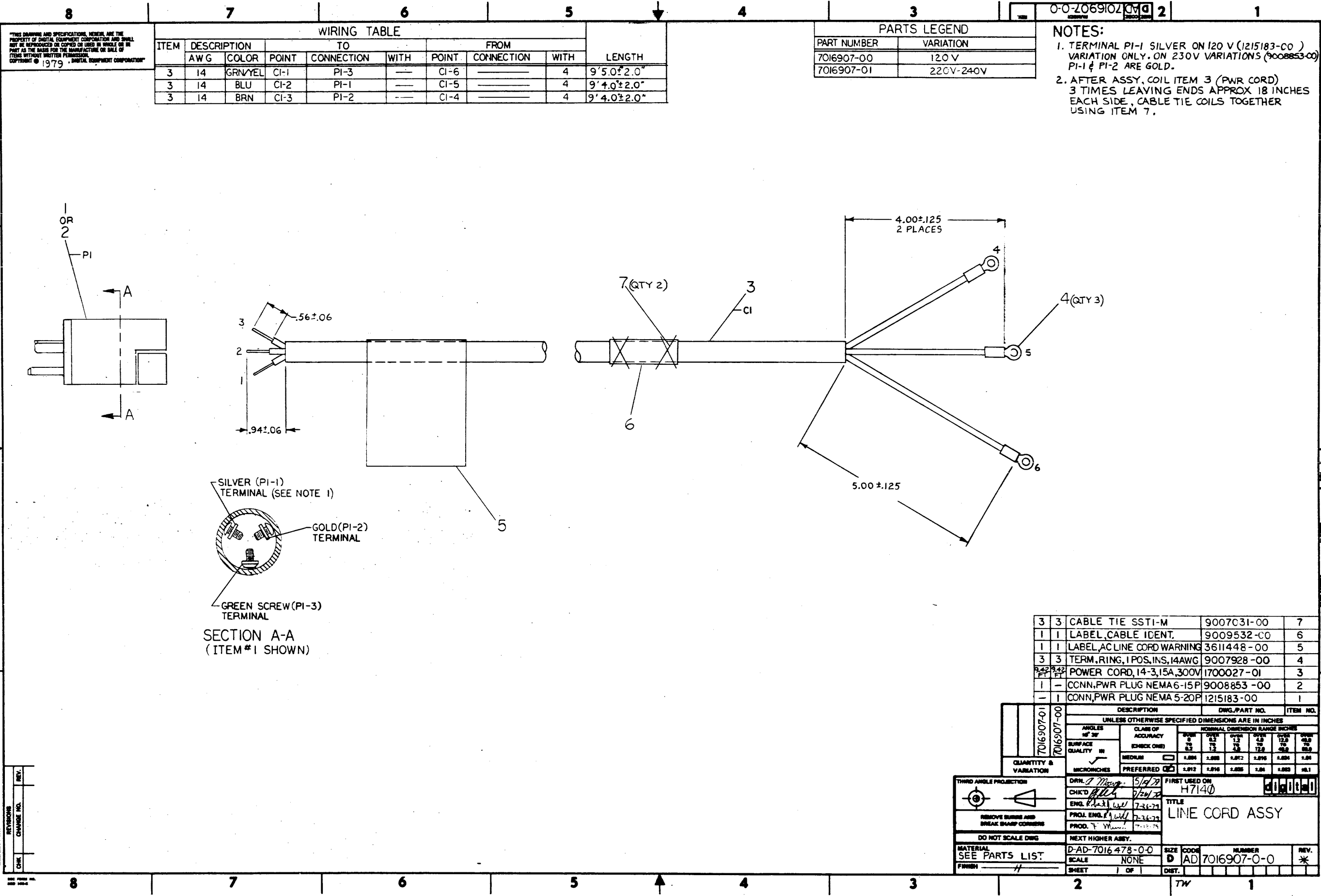
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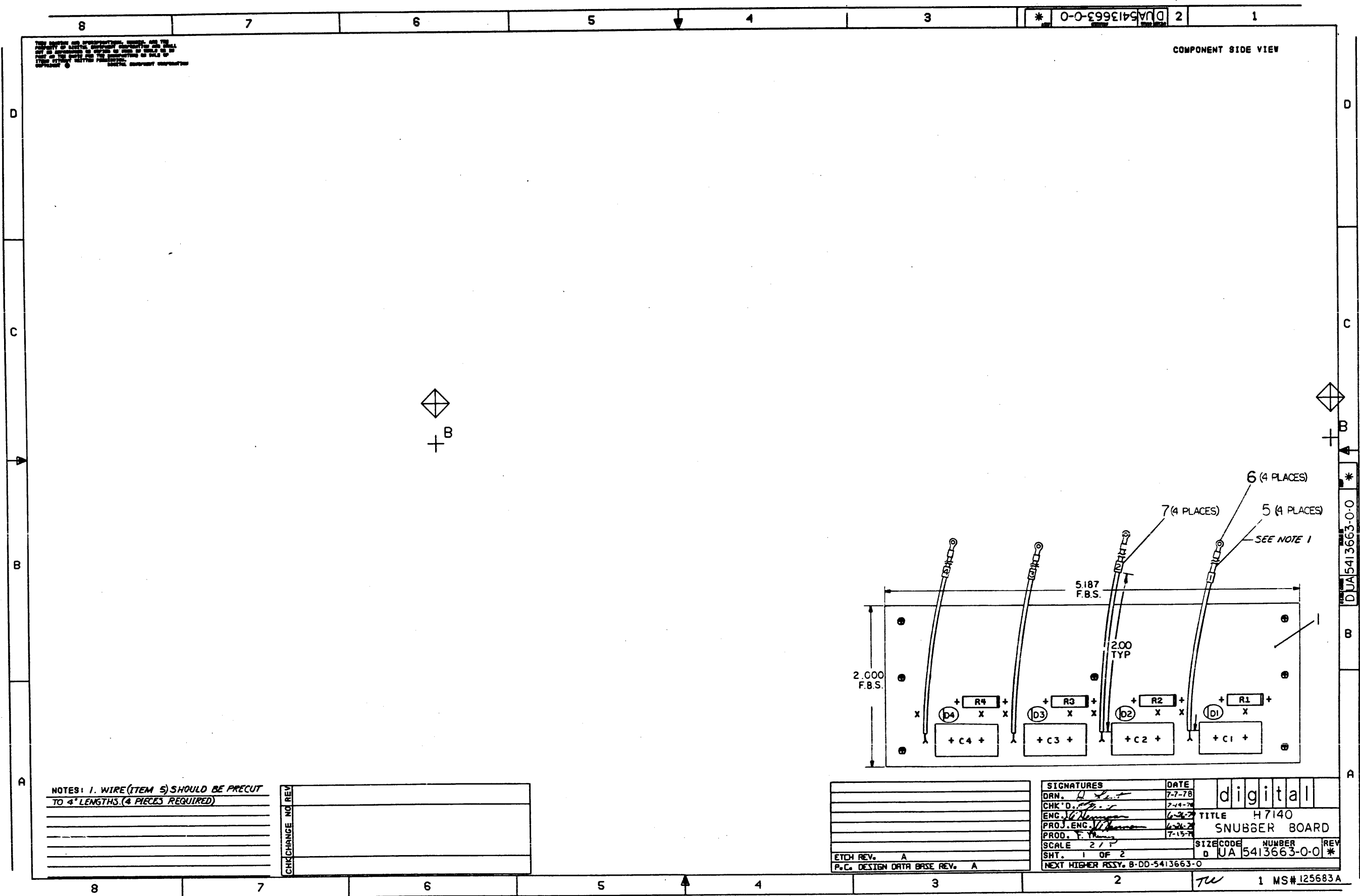
NOTES:

1. OUTSIDE JACKET OF ITEM 1 OR 2 (LINE CORD)
TO EXTEND APPROX. 25 IN. BEYOND
CLAMPING AREA OF ITEM 4 (CABLE CLAMP).

1	1	LABEL, PWR SUPPLY	9009255-00	10
1	-	LABEL, H7140AB (220-240V)	3616977-01	9
-	1	LABEL, H7140AA (120V)	3616977-00	8
2	2	WASHER, FLAT*3.3750.DX.187	9006660-00	7
2	2	NUT, KEP #8-32X 1/32AF	9006563-00	6
2	2	SCR, FLAT, PHIL #8-32X 1" LG	9006042-02	5
2	2	CLAMP, CABLE	1215566-00	4
1	1	COVER, A.C.	D-MD-74220480-0	3
1	-	CORD ASSY, LINE (220-240V)	D-1A-7016907-1-0	2
-	1	CORD ASSY, LINE (120V)	D-1A-7016907-0-0	1

7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01 7016478-00		7016478-01	
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NOTES: 1. WIRE (ITEM 5) SHOULD BE PRECUT TO 4' LENGTHS (4 PIECES REQUIRED)

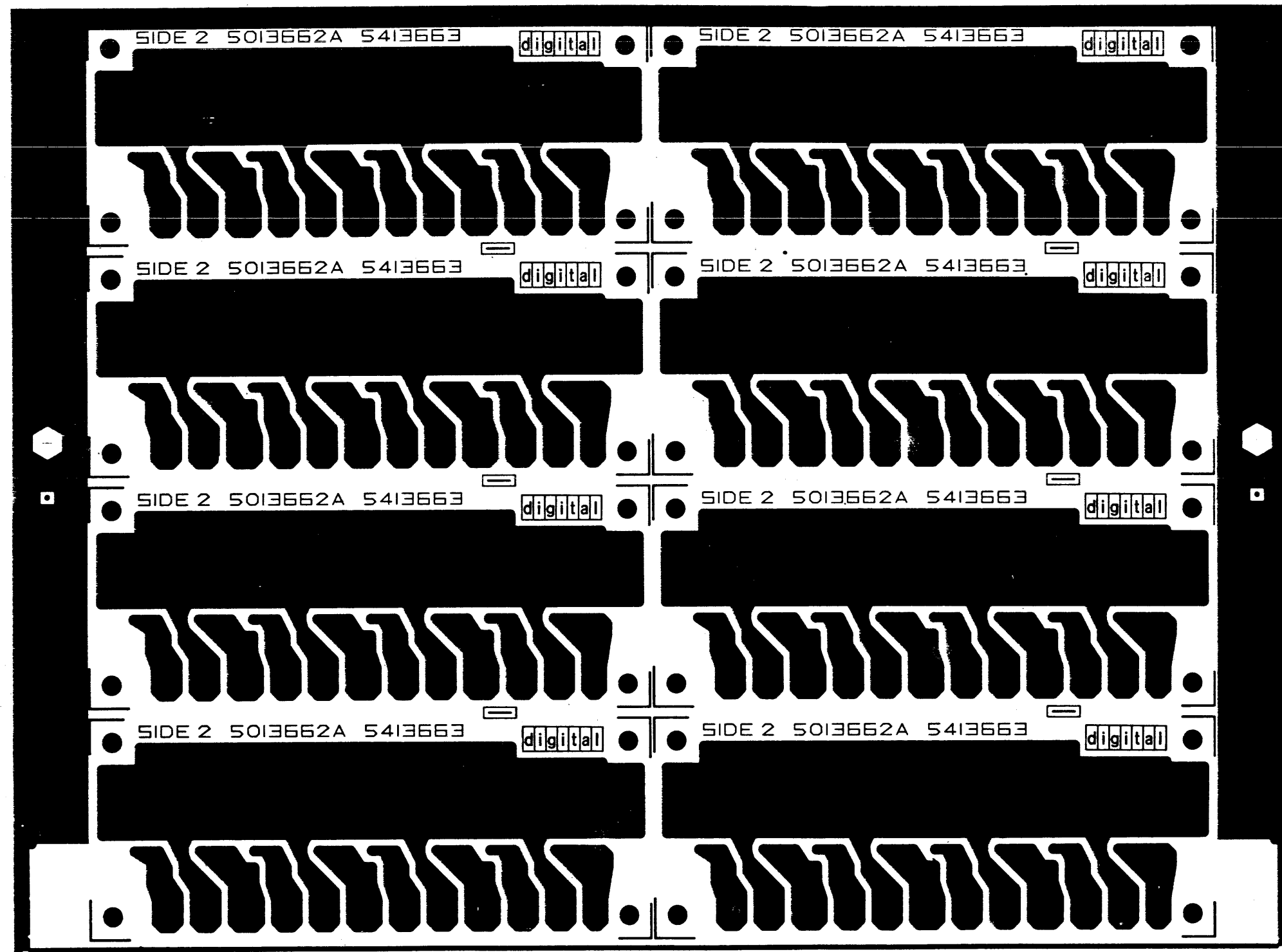
CHK	CHANGE	NO	REV

ETCH REV.	A
P.C. DESIGN DATA BASE REV.	A

SIGNATURES		DATE		digital
DRN. <i>A. J. Smith</i>		7-7-78		
CHK'D. <i>[Signature]</i>		7-14-78		TITLE H7140
ENG. <i>[Signature]</i>		6-24-78		
PROJ. ENG. <i>[Signature]</i>		6-24-78		SNUBBER BOARD
PROD. <i>F. M. [Signature]</i>		7-15-78		
SCALE 2 / 1		SIZE CODE	NUMBER	REV
SHT. 1 OF 2		0 UA	5413663-0-0	*
NEXT HIGHER ASSY. B-DD-5413663-0				

1 MS# 125683A

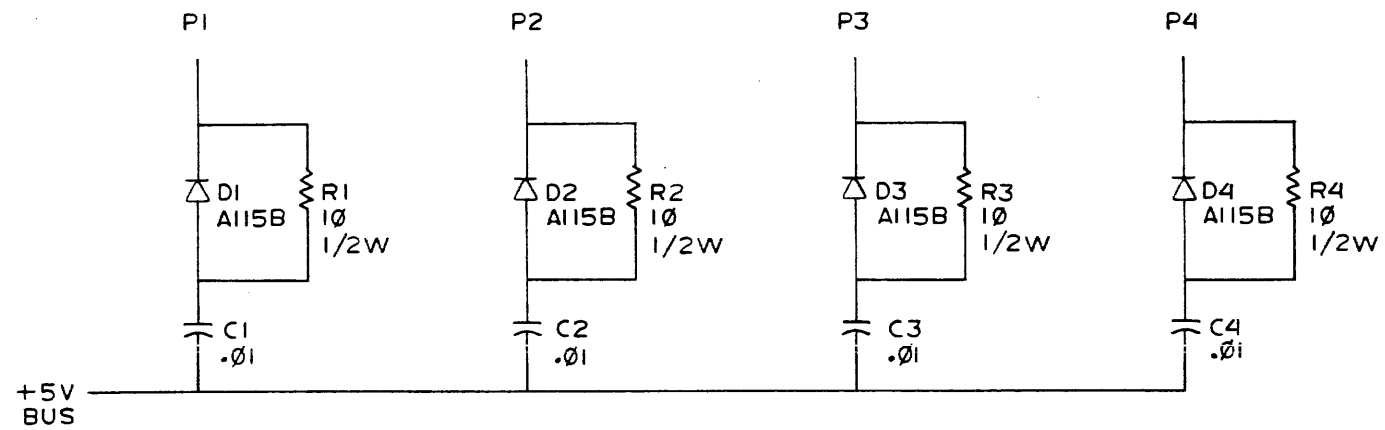
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER		REV.
H7140 SNUBBER BOARD		D UA	5413663-0-0		*
SCALE 2/1		SHEET 2 OF 2		DIST.	

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REVISIONS	
CHK	CHANGE NO.
1	5413663 - TW001
2	5413663 - 17-SEP-81
3	R. HEATON
4	(one) 12-3-81

DEC FORM NO.
ORC 111-A

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>James Angel</i>	DATE 5-23-79		
CHK'D. <i>James</i>	DATE 6-20-79		
ENG. <i>W. Hannon</i>	DATE 6/24/79		
PROJ. ENG. <i>W. Hannon</i>	DATE 6/24/79		
PROD. <i>F. Munoz</i>	DATE 7-13-79		
NEXT HIGHER ASSY.		TITLE	
		H7140 SNUBBER BOARD	
FIRST USED ON OPTION/MODEL		SIZE CODE	NUMBER
		C CS	5413663-0-1
SCALE NONE			REV. A
SHEET 1 OF 1		DIST.	

TW

AUTOMATED BY PRTLST.3L(32)

PARTS LIST

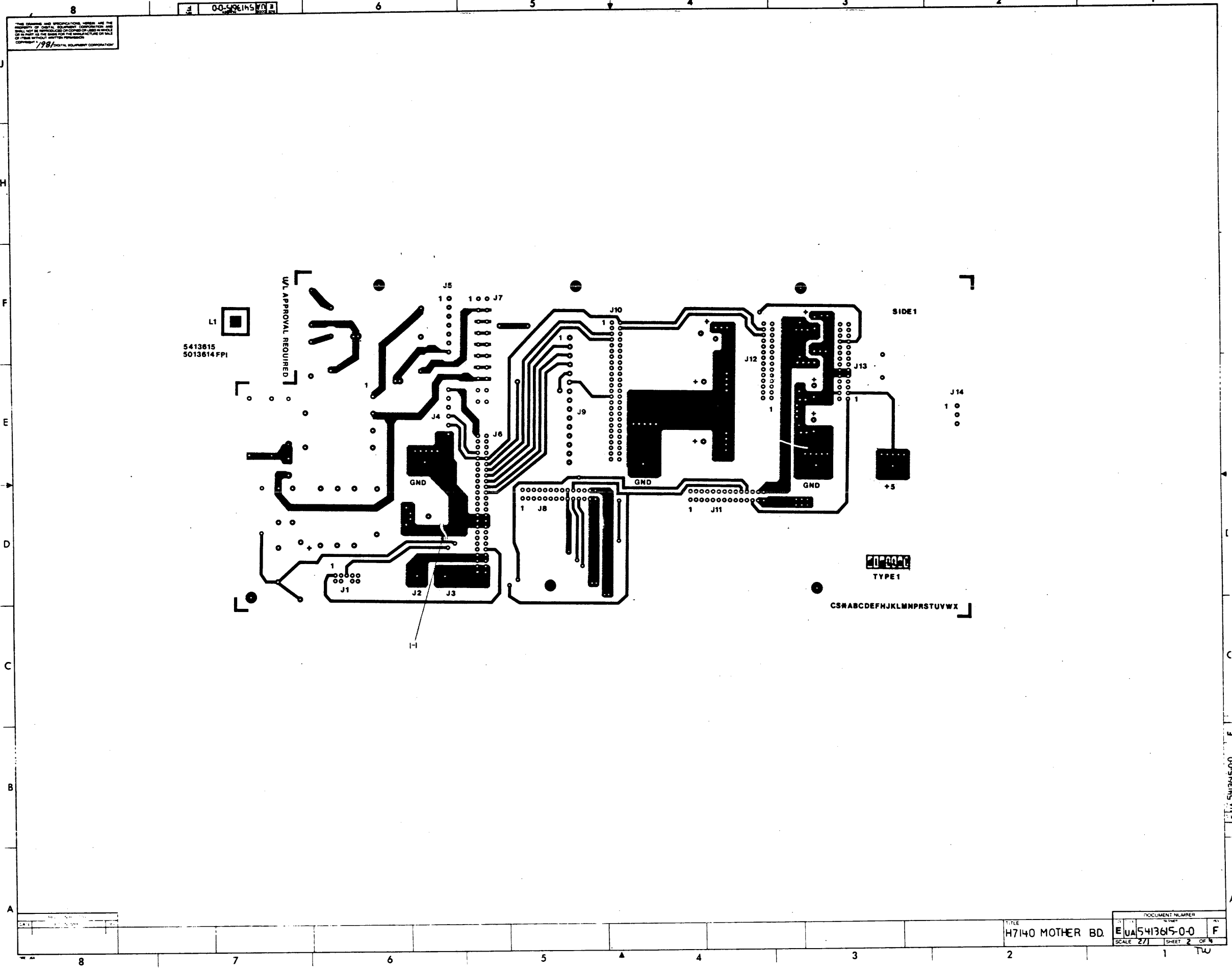
SHEET A1 OF A1

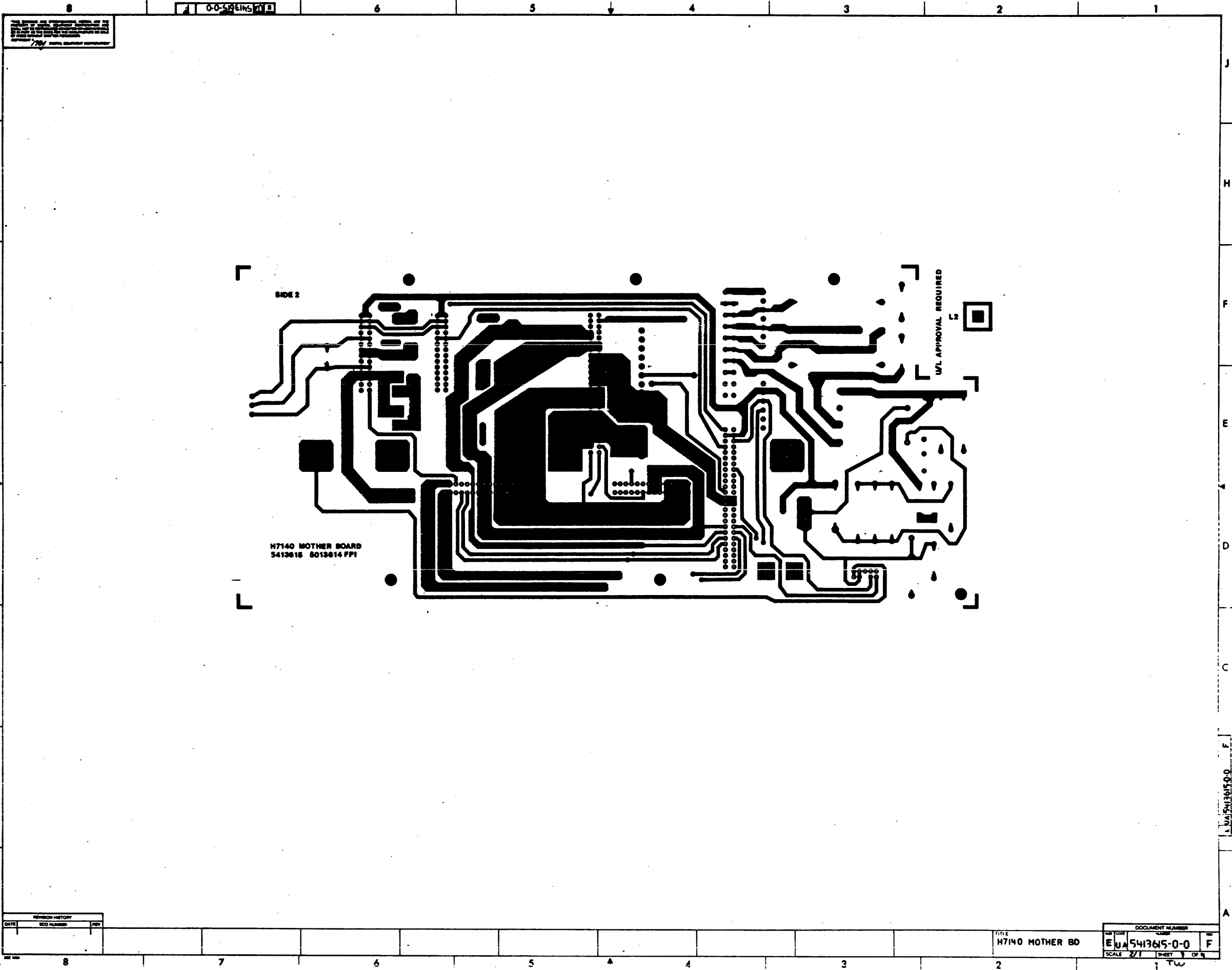
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-MD-5013662-0-0	5013662-00	DRILL & ETCH BD	1		
2	2		1011847-01	.01 MFD 400V 10% POLYPROP	4		C1-C4
3	3		1112594-01	A115B PIV=200 I= 3A	4		D1-D4
4	4		1300168-00	10 1/2W 5% CC	4		R1-R4
5	5		9107801-33	WIRE, STRND, 20AWG IPVC UL1431	A/R		
6	6		9007930-00	TERM RING 1POS INSULATED, 22-16	4		
7	7		9008356-01	WIRE IDENTIFIER, (1-48)	1		

0 NOTE: ITEM #5, 1.33' IS USED.

REVISION HISTORY		BASIC PART NO: 5413663		DRN: K.FRIEDGEN		DATE: 22-MAY-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: J.CASEY	DATE: 19-JUL-79	TITLE		PARTS LIST			
---	INITIAL	*	SECTION VARIATION INDEX			SNUBBER BOARD ASSY					
			[A] 00								
			[B]								
			[C]	DES.ENG: J.A.HERRMANN	DATE: 22-MAY-79						
			[D]								
			[E]								
			[F]	RESP.ENG.: J.A.HERRMANN	DATE: 22-MAY-79			DOCUMENT NUMBER			
			[H]								
			[J]								
			[K]	MFG.ENG.: F.MUNIZ	DATE: 19-JUL-79	K	PL	5413663-0-DBP	REV		
			[L]								
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT			
			[N]	D-UA-5413663-0-0	D-MD-5413663-0-0	13663.PLS		8			

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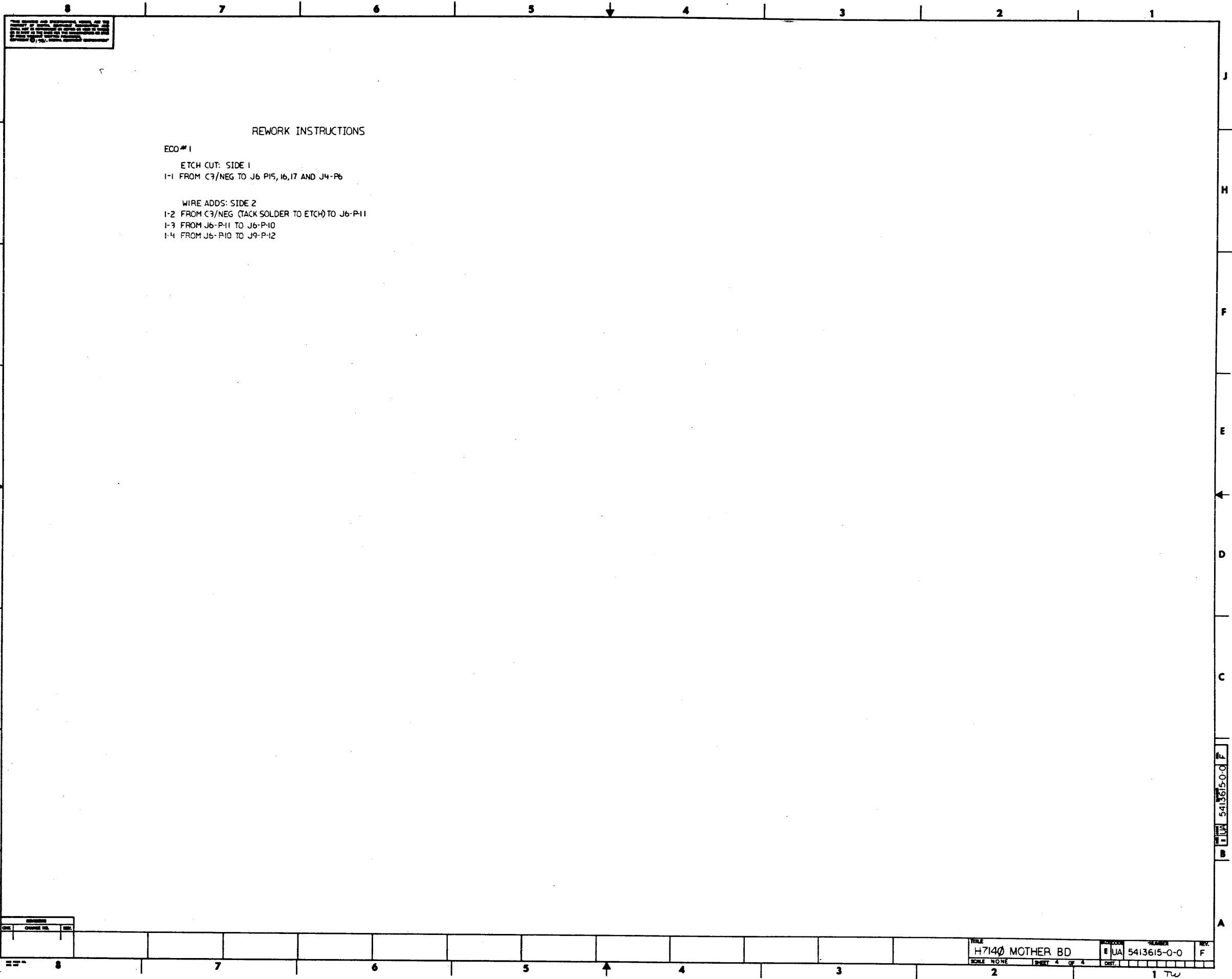


REVISION HISTORY		
DATE	ECO NUMBER	BY

TITLE
H7140 MOTHER BD

DOCUMENT NUMBER		

5413615-00 F



REVISIONS
1. 10/1/80
2. 10/1/80
3. 10/1/80
4. 10/1/80
5. 10/1/80
6. 10/1/80
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REWORK INSTRUCTIONS
ECO#1
ETCH CUT: SIDE 1
1-1 FROM C3/NEG TO J6 P15,16,17 AND J4-P6

WIRE ADDS: SIDE 2
1-2 FROM C3/NEG (TACK SOLDER TO ETCH) TO J6-P11
1-3 FROM J6-P11 TO J6-P10
1-4 FROM J6-P10 TO J9-P12

REVISIONS		
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TITLE		PART NO.		REV.	
H7140 MOTHER BD		E UA 5413615-0-0		F	
SCALE NONE		SHEET 4 OF 4		REV. 1	
2		1 TW			

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REVISIONS

REV.	DATE	BY	CHKD.	DESCRIPTION
1	11-2-78	R. WOLF		INITIAL DESIGN
2	11-2-78	R. WOLF		REVISIONS
3	11-2-78	R. WOLF		REVISIONS
4	11-2-78	R. WOLF		REVISIONS
5	11-2-78	R. WOLF		REVISIONS
6	11-2-78	R. WOLF		REVISIONS
7	11-2-78	R. WOLF		REVISIONS
8	11-2-78	R. WOLF		REVISIONS

REVISIONS

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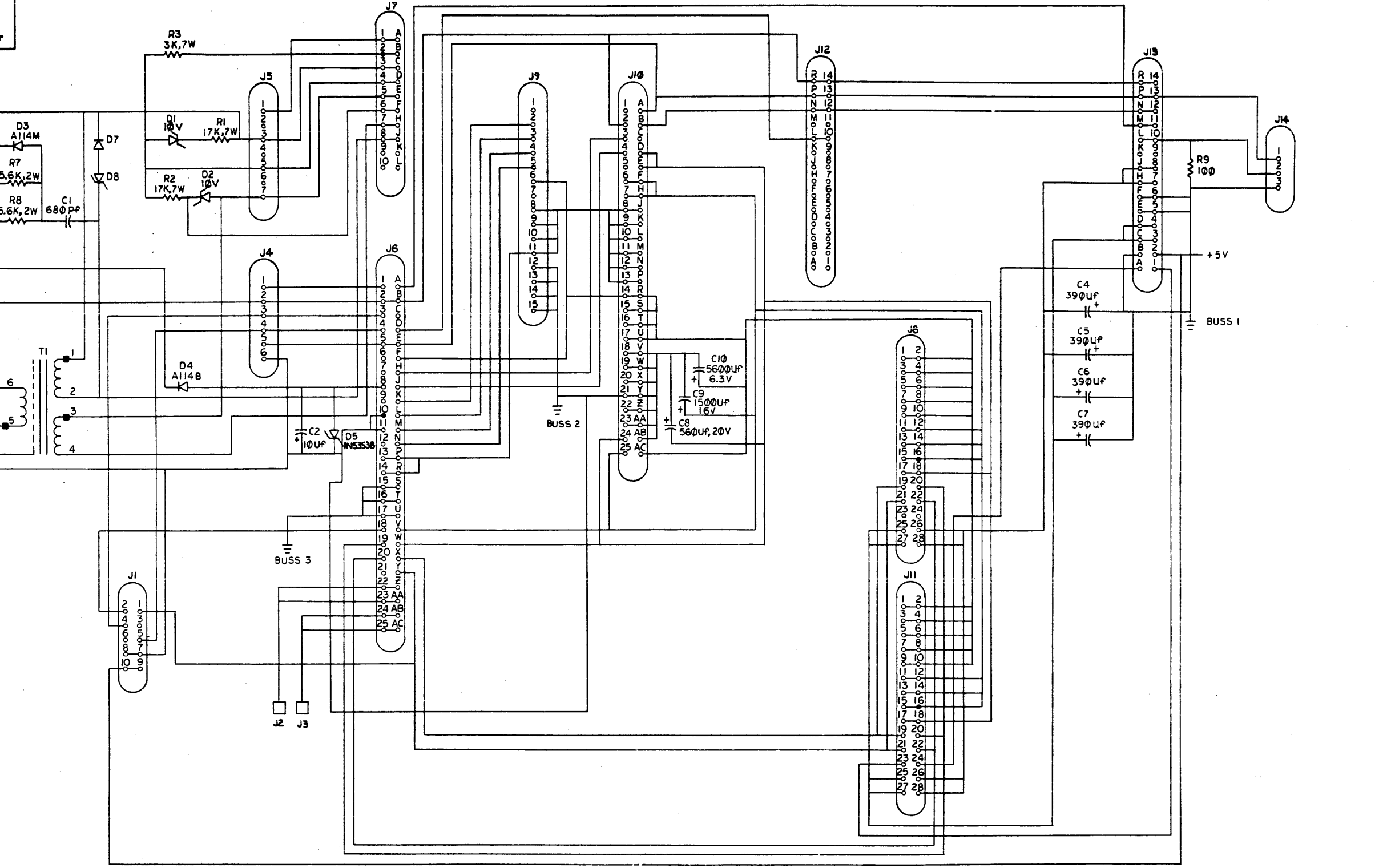
REVISIONS

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REVISIONS



DRN. NO.	11-2-78	FIRST USED ON	H7140
CHKD.	R. WOLF	TITLE	H7140 MOTHER BOARD
ENG.	R. WOLF	PROJ. ENG.	R. WOLF
PROD. F.M.	R. WOLF	PROD. F.M.	R. WOLF
NEXT HIGHER ASSY.		SIZE CODE	D CS 5413615-0-1
SCALE	1 OF 1	NUMBER	REV. F
SHEET	1 OF 1	DIST.	

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5013614-0-0	5013614-00	DRILL & ETCH BD	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	C2
3	3		1012607-00	560 MFD 20V H% 672D AL EL	1	C8
4	4		1012607-06	390 MFD 20V H% 67D AL EL	4	C4-C7
5	5		1013280-00	680.0 MMF1000V 5%200PPM	1	C1
6	6		1014229-00	1500 MFD 16V +75-10% AL EL	2	C9,C3
7	7		1016169-00	5600 MFD 6.3V +75,-10% AL EL	1	C10
8	8		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1	D5
9	9		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	2	D1,D2
10	10		1112594-01	A115B PIV=200 I= 3A	1	D6
11	11		1112595-01	A114B PIV=200 I= 1A	1	D4
12	12		1112595-02	A114M PIV=600 I= 1A	1	D3
13	13		1215341-01	HEADER 10POS VERTICAL	1	J1
14	14		1211004-00	SOCKET,100 28POS BOTTOM MOUNT	4	J12,J13,J11,J8
15	15		1211004-04	SOCKET,100 40POS	1	J7
16	16		1211004-05	SOCKET,100 50POS	2	J6,J10
17	17		1216122-01	HEADER,156 7POS KEYED	1	J5
18	18		1216122-02	HEADER,156 15POS KEYED	1	J9
19	19		1216122-04	HEADER,156 3POS	1	J14
20	20		1216122-05	HEADER,156 6POS	1	J4
21	21		1300229-00	100.0 .25 W 5.0 % CC	1	R9
22	22		1300348-00	680.0 2.0 W 5.0 % CC	3	R4-R6
23	23		1300456-00	5.60 K 2.0 W10.0 % CC	2	R7,R8
24	24		1316207-00	3.0 K 7W+,-5% WW	1	R3
25	26		1316209-00	17.0 K 7W+,-5% WW	2	R1,R2
26	27		1616215-00	XFMR P=240/360 S=5V	1	T1
27	28		7422391-00	SUPPORT,MOTHER BOARD	1	
28	29		9008219-00	TERM QUICK 1POS ADAPTER	2	J2,J3
29	31		9009000-00	FYELET, ROLLED FLANGE, .121 OD X	5	
30	32		9107688-55	WIRE(WRAP)24AWG UL1327 A/R		

REVISION HISTORY			BASIC PART NO: 5413615		OPN: M.CICCONE		DATE: 27-MAR-79		D I G I T A L				
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: E.T.GERRY		DATE: 27-MAR-79		TITLE PARTS LIST				
---	INITIAL	D	SECTION VARIATION INDEX		DES.ENG: R.WOLF		DATE: 27-MAR-79		MOTHER BOARD				
R.W.	TW001	E	[A] 00		RESP.ENG.: R.WOLF		DATE: 27-MAR-79		DOCUMENT NUMBER				
			[B]		MFG.ENG.: P.WAITKUS		DATE: 6-AUG-79		SIZE	CODE	NUMBER	REV	
			[C]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K	PL	5413615-0-DBP	E	
			[D]		ID-UA-5413615-0-0						FILE NAME:	EDIT #	
			[E]								Z0376E.PLS	7	
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TW

AUTOMATED BY PHTLST.3J(25)

P A R T S L I S T

SHEET A2 OF A2

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

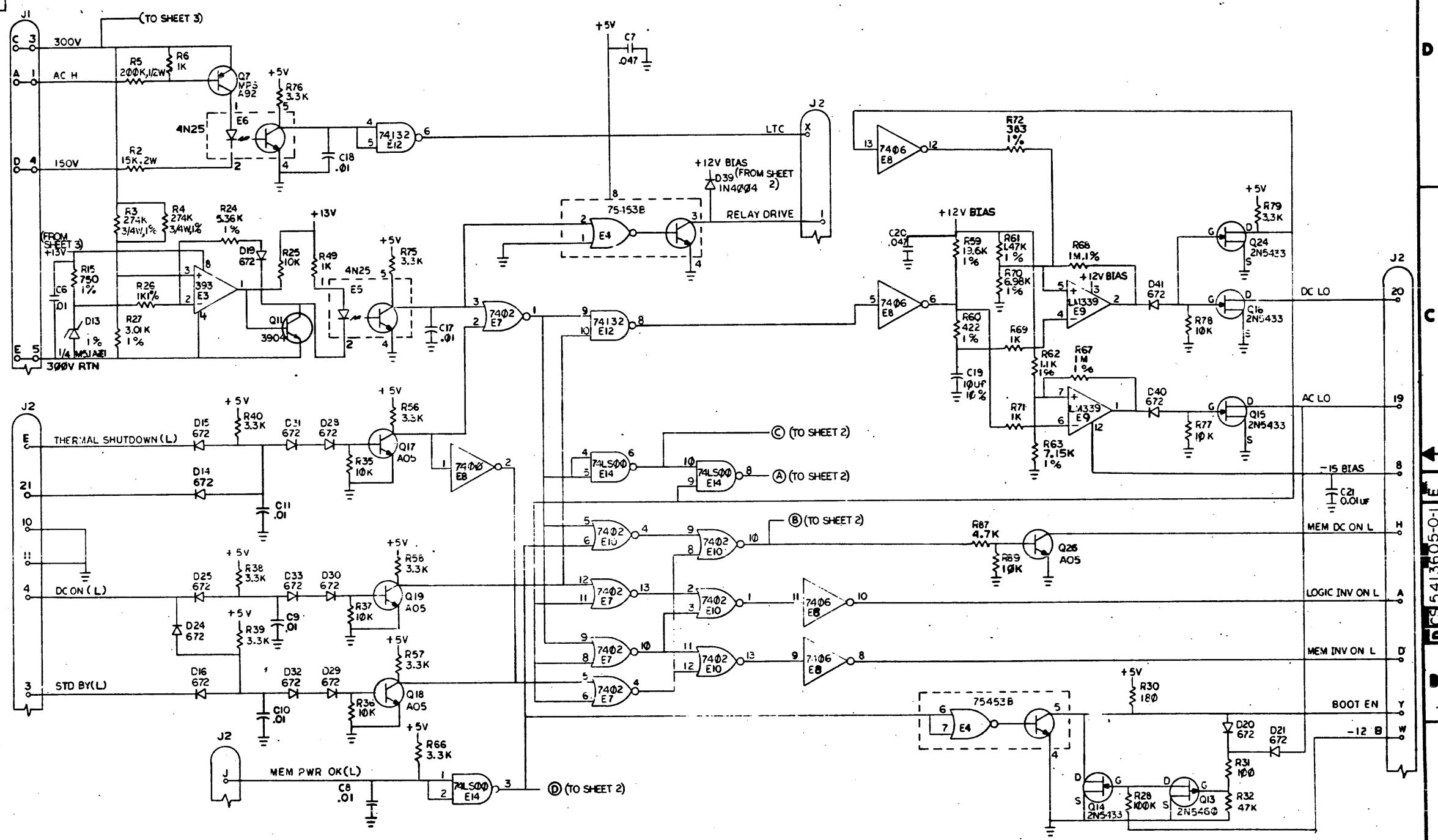
REFERENCE DESIGNATOR

31 NOTE: FOR ITEM #32, 46" IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MOTHER BOARD		K	PL	5413615-0-DBP	E

TW

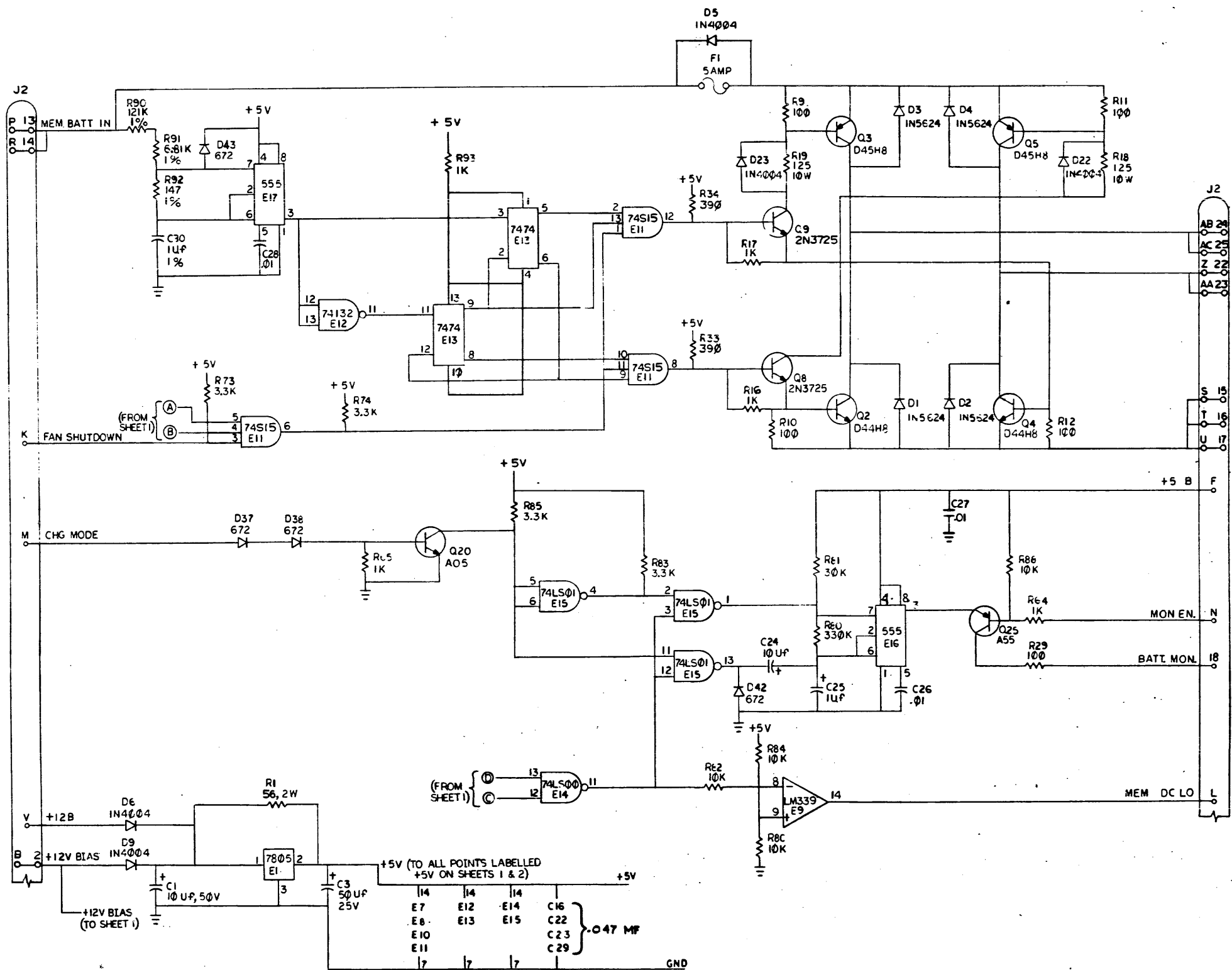
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DESIGNED BY	5413605-TW001 B
CHECKED BY	R. NICKERSON
APPROVED BY	R. NICKERSON
DATE	24 APR 80
BY	R. WOLF
FOR	5413605-TW003 D
DATE	24 APR 80
BY	R. WOLF
FOR	5413605-TW004 E
DATE	24 APR 80
BY	R. WOLF
FOR	5413605-TW005 F
DATE	24 APR 80
BY	R. WOLF

DRN. No.	5413605-0-1	FIRST ISSUE ON	20-00-00
CHK'D			
ENG.			
PROJ. ENG.			
PROD. V. M.			
NEXT HIGHER ASST.			
SCALE			
SHEET	1	OF	3
TITLE		BIAS AND INTERFACE BOARD	
SIZE	CODE	NUMBER	REV.
D	CS	5413605-0-1	E

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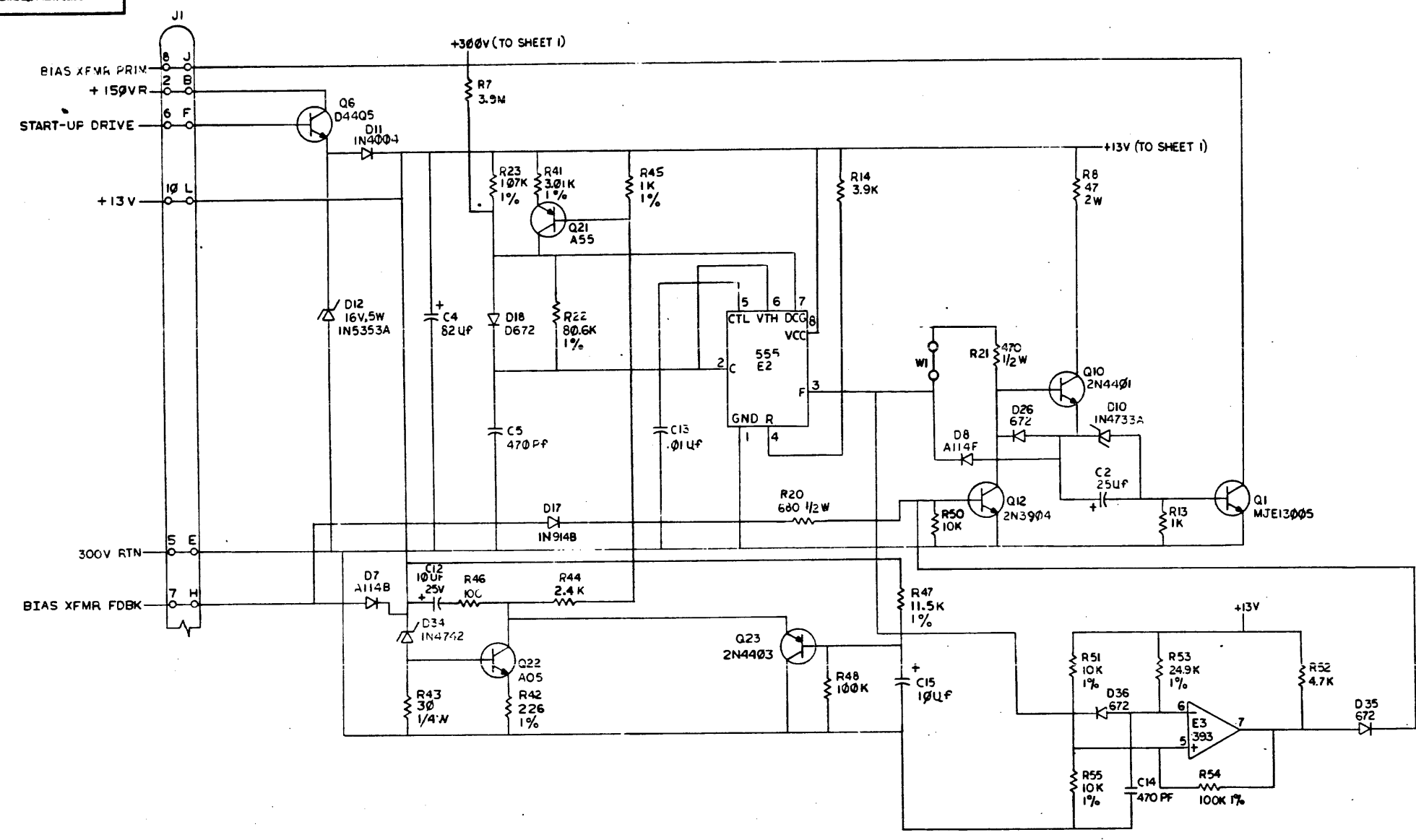
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CHK	CHANGE NO.	REV.

TITLE		PART CODE		NUMBER		REV.
BIAS AND INTERFACE BOARD		D	CS	5413605-0-1		E
SCALE		SHEET 2 OF 3		DWT.		

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1978

DCS 5413605-0-1 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		DCS 5413605-0-1	REV.
BIAS AND INTERFACE BOARD		E	
SCALE		SHEET 3 OF 3	REV.

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013604-0-0	5013604-00	DRILL & ETCH BD	1	
2	2		1000024-00	470.0 MMF 100V 5%200PFM MICA	2	C5,C14
3	3		1000070-00	10 MFD 50V+100-10% AL EL	1	C1
4	4		1000075-00	25 MFD 25V +75-10% AL EL	1	C2
5	5		1001610-00	.01 MFD 50V +80-20% 25U CER	12	C6,C8-C11,C13,C17,C18,C21, C26-C28
6	6		1001776-00	1 MFD 35V 10% S.TANT	1	C25
7	7		1001796-00	50 MFD 25V +75-10% AL EL	1	C3
8	8		1010866-02	10 MFD 25V +50-20% S.TANT	4	C12,C15,C19,C24
9	9		1012784-00	.047 MFD 50V +80-20% CER	6	C7,C16,C20,C22,C23,C29
10	10		1013252-00	82 MFD 50V+100-10% AL EL	1	C4
11	11		1016138-00	1 MFD 50V 1% M.POLYCARB	1	C30
12	12		1105275-00	D 672 TR= 15NS PIV= 60V SI	24	D14-D16,D18-D21,D24-D26,D28-D33, D35-D38,D40-D43
13	13		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	7	D5,D6,D9,D11,D22,D23,D39
14	14		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D13
15	15		1109502-00	1N 4742 VZ= 12.0 10% 1W Y	1	D34
16	16		1109517-00	1N 914B TR= 4NS PIV= 75V SY	1	D17
17	17		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	1	D10
18	18		1110420-00	1N 5624 PIV=200 I= 5A	4	D1-D4
19	19		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1	D12
20	20		1112595-00	A114F PIV= 50 I= 1A	1	D8
21	21		1112595-01	A114B PIV=200 I= 1A	1	D7
22	22		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	1	F1
23	23		1216112-02	HEADER,100 40POS RT ANGLE	1	J1
24	24		1216112-03	HEADER,100 50POS RT ANGLE	1	J2
25	25		1300229-00	100.0 .25 W 5.0 % CC	7	R9-R12,R29,R31,R46
26	26		1300309-00	390.0 .25 W 5.0 % CC	2	R33,R34
27	27		1300315-00	470.0 .50 W 5.0 % CC	1	R21
28	28		1300347-00	680.0 .50 W 5.0 % CC	1	R20

REVISION HISTORY		BASIC PART NO: 5413605		DRN: J.FERGUSON	DATE: 16-OCT-80	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: F.GAROFALO	DATE: 16-OCT-80	TITLE PARTS LIST			
---	INITIAL	E	SECTION VARIATION INDEX	DES.ENG: R.WOLF	DATE: 16-OCT-80	BIAS AND INTERFACE BD			
			[A] 00	RESP.ENG.: R.WOLF	DATE: 16-OCT-80	DOCUMENT NUMBER			
			[B]	MFG.ENG.: J.COMELLA	DATE: 16-OCT-80	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	K	PL	5413605-0-DBP	E
			[D]	D-UA-5413605-0-0	B-DD-5413605-0-0	FILE NAME:		EDIT #	
			[E]			Z0402.PLS		11	
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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
29	29		1300365-00	1.0 K .25 W 5.0 % CC	10		R6,R13,R16,R17,R49,R64,R65,R69,
30	30		1300439-00	3.30 K .25 W 5.0 % CC	14	CONT	R71,R93
31	31		1300444-00	3.90 K .25 W 5.0 % CC	1	CONT	R38-R40,R56-R58,R66,R73-R76,R79,
32	32		1300447-00	4.70 K .25 W 5.0 % CC	2		R83,R85
33	33		1300479-00	10.0 K .25 W 5.0 % CC	12		R14
							R52,R87
						CONT	R25,R35-R37,R50,R77,R78,R82,R84,
34	34		1301322-00	180.0 .25 W 5.0 % CC	1		R86,R88,R89
35	35		1302091-00	330.0 K .25 W 5.0 % CC	1		R30
36	36		1302177-00	47.0 K .25 W 5.0 % CC	1		R80
37	37		1302334-00	15.0 K 2.0 W 5.0 % CC	1		R32
38	38		1302394-00	30.0 K .25 W 5.0 % CC	1		R2
39	39		1302466-00	100.0 K .25 W 5.0 % CC	2		R81
40	40		1302479-00	200.0 K .50 W 5.0 % CC	1		R28,R48
41	41		1302644-00	226.0 .25 W 1.0 % RN55D-F10	1		R5
42	42		1302645-00	1.10 K .25 W 1.0 % RN55D-F10	1		R42
43	43		1302748-00	1.0 K .25 W 1.0 % RN55C-F 5	2		R62
44	44		1302751-00	30.0 .25 W 5.0 % CC	1		R26,R45
45	45		1302836-00	56.0 2.0 W 5.0 % CC	1		R43
46	46		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1		R1
47	47		1302874-00	147.0 .25 W 1.0 % RN55D-F10	1		R47
48	48		1302955-00	750.0 .25 W 1.0 % RN55D-F10	1		R92
49	49		1303067-00	422.0 .25 W 1.0 % RN55D-F10	1		R15
50	50		1303177-00	2.40 K .25 W 5.0 % CC	1		R60
51	51		1303305-00	6.98 K .25 W 1.0 % RN55D-F10	1		R44
52	52		1303322-00	274.0 K .75 W 1.0 % RN65D-F10	2		R70
53	53		1303438-00	121.0 K .25 W 1.0 % RN55D-F10	1		R3,R4
54	54		1304870-00	6.81 K .25 W 1.0 % RN55D-F10	1		R90
55	55		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1		R91
56	56		1305125-00	383.0 .25 W 1.0 % RN55D-F10	1		R61
57	57		1305253-00	7.15 K .25 W 1.0 % RN55D-F10	1		R72
58	58		1305357-00	125.0 10.0 W 5.0 % WW	2		R63
59	59		1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1		R18,R19
60	60		1305405-00	24.90 K .25 W 1.0 % RN55D-F10	1		R59
61	61		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1		R53
62	62		1313775-00	80.60 K .25 W 1.0 % RN55D-F10	1		R24
63	63		1313843-00	107.0 K .25 W 1.0 % RN55D-F10	1		R22
64	64		1314023-00	47.0 2.0 W 5.0 % CC	1		R23
65	65		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	2		R8
66	66		1314121-00	1.0 M .25 W 1.0 % RN55D-F10	2		R27,R41
67	67		1314387-00	3.90 M .25 W 5.0 % CC	1		R67,R68
68	68		1509524-00	2N 3904 NPN 310MW SI 40 40 M	2		R7
69	69		1510233-00	2N 5460 FET 310MW SIP CHNNL	1		Q11,Q12
70	70		1510705-00	XA 05 NPN 500MW SI 60 50 P	6		Q13
71	71		1510706-00	XA 55 PNP 500MW SI 60 50 P	2		Q17-Q20,Q22,Q26
72	72		1510707-00	D 44H8 NPN 25W SI 60Q2A	2		Q21,Q25
73	73		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2		Q2,Q4
							Q3,Q5

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							BIAS AND INTERFACE BD		K	PL	5413605-0-DBP	E

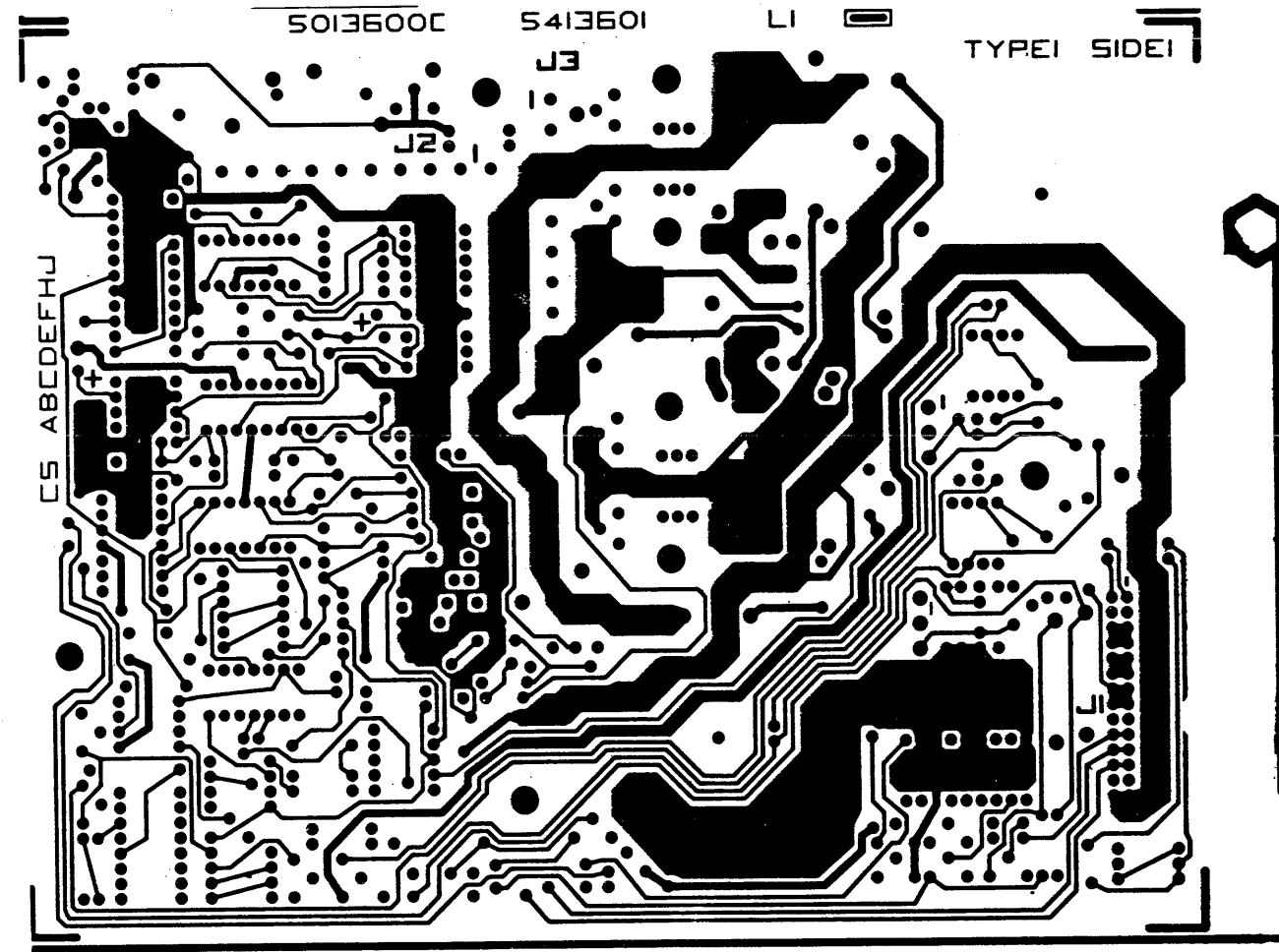
TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
74	74	1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	2	Q8,Q9
75	75	1511686-00	DEC5433 FET N 350MW 10 25 1A	4	Q14-Q16,Q24
76	76	1513489-00	2N 4401 NPN 350MW SI 40 20	1	Q10
77	77	1513490-00	2N 4403 PNP 350MW SI-40 30	1	Q23
78	78	1514271-01	D 44Q5 NPN 31W SI225 30	1	Q6
79	79	1516119-00	NPN 600MW SI400 40	1	Q1
80	80	1516121-00	MPS A92 FNP 625MW SI300 25	1	Q7
81	81	1905547-00	7474 FF-D DUAL,EDGE TRIGG	1	E13
82	82	1909004-00	DEC 7402 NOR GATE-QUAD 2IN	2	E7,E10
83	83	1910538-00	74S15 AND GATE-TRIPLE 3IN	1	E11
84	84	1910741-00	7406 INVERTER GATE-HEX 1I	1	E8
85	85	1911036-00	75453 DRIVER,PERIPH,DUAL,	1	E4
86	86	1911637-00	74132 NAND GATE-QUAD 2 IN	1	E12
87	87	1911944-00	555CN TIMER,FUNCT,BLOCK	3	E2,E16,E17
88	88	1912108-00	339 VOLT CMPRTR,QUAD	1	E9
89	89	1912536-01	7805 VOLT REG,FIX +5V	1	E1
90	90	1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	E14
91	91	1912800-00	LS01 NAND-GATE-QUAD 2IN,P	1	E15
92	92	1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E3
93	93	1914194-00	OPTP-COUPLED ISOLATOR	2	E5,E6
94	94	C-MD-7422046-0-0	7422046-00 HEAT SINK,SINGLE	3	
95	95	B-MD-7422047-0-0	7422047-00 HEAT SINK,DOUBLE	2	
96	96	9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	7	
97	97	9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	7	
98	98	9006688-00	WASHER, LOCK, S.S. #4	7	
99	99	9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	2	
100	100	9007201-00	TRANSIPADS #10253	2	
101	101	9008268-00	COMPOUND, THERMAL JOINT	A/R	
102	102	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
103	103	9009769-00	WASHER, RECTANGULAR .405X.225X.0	7	
104	104	9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	7	
105	105	1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2	R51,R55
106	106	1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	R54

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							BIAS AND INTERFACE BD		K	PL	5413605-0-DBP	E

TW

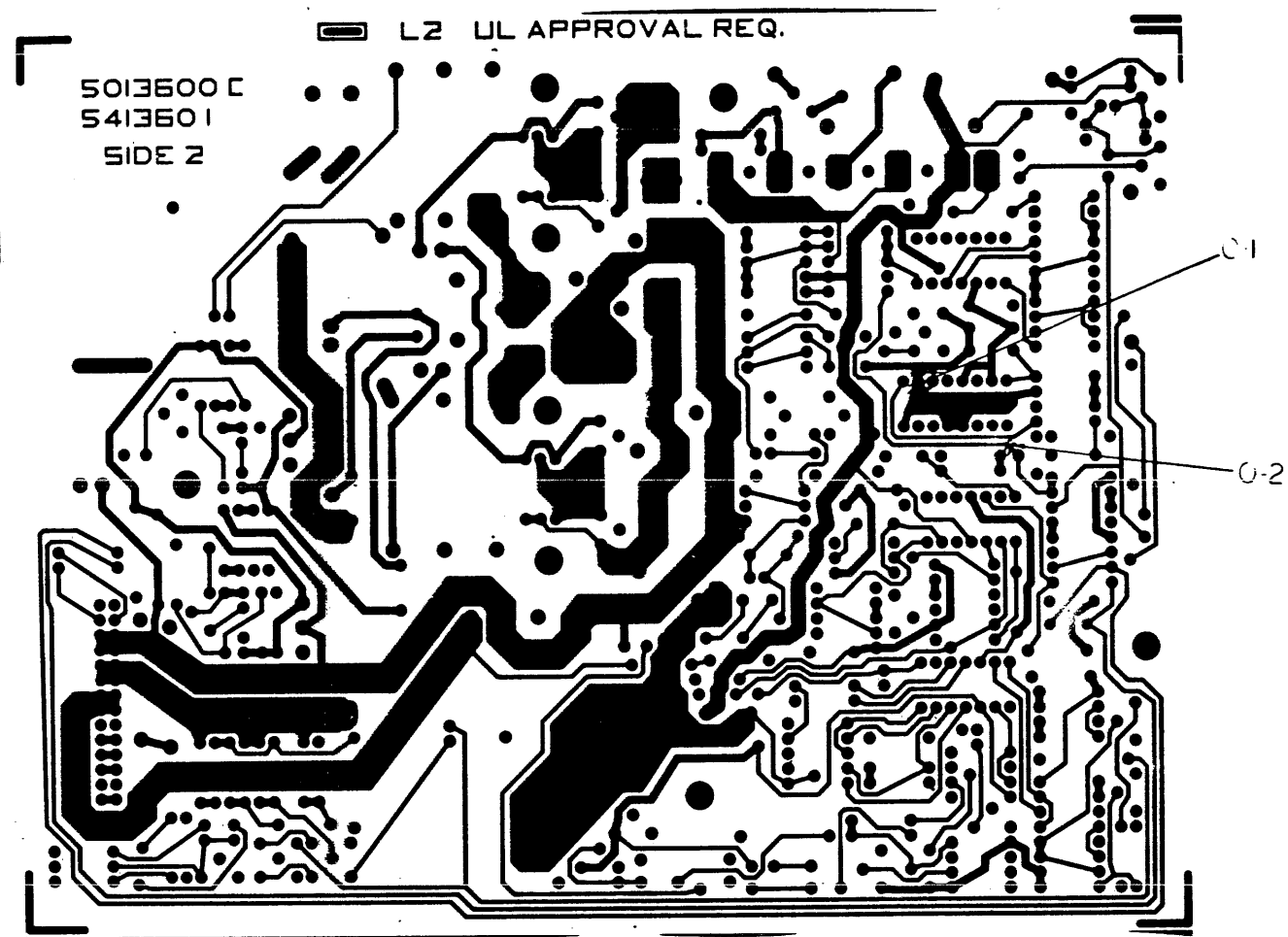
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REVISIONS		
CHK	CHANGE NO	REV

TITLE		LOGIC INVERTER CONTROL BOARD	SIZE CODE	D UA	NUMBER	5413601-0-0	REV.	C
SCALE		2/1	SHEET 2 OF 4		DIST.			

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REVISIONS		
CHK	CHANGE NO	REV

TITLE		LOGIC INVERTER CONTROL BOARD	SIZE CODE	NUMBER	REV.
SCALE 2/1		SHEET 3 OF 4	D JA	5413601-0-0	C

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REWORK INSTRUCTIONS:

ETCH CUTS SIDE 2

- 0-1 CUT ETCH ON BOTH SIDES OF E3-10 (2 CUTS)
0-2 FROM R74 TO Q18/BASE (CUT NEAR BASE)

WIRE ADD SIDE 1

- 0-3 FROM R123 TO C31
0-4 FROM D49/CATHODE TO D29, CATHODE
0-5 FROM E3-B TO C22
0-6 FROM E3-10 TO R74.

REWORK INSTRUCTIONS: (ECO*):

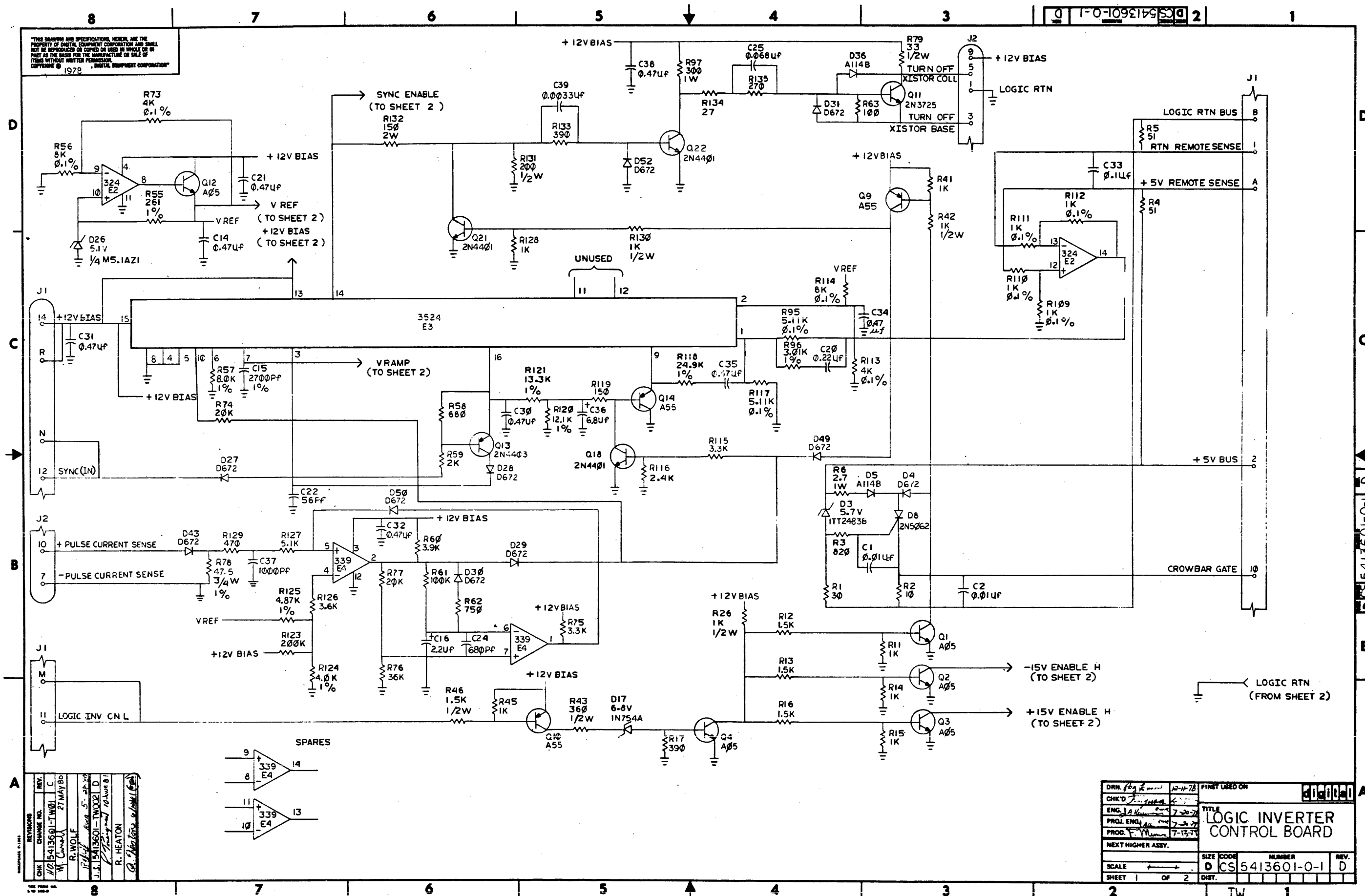
COMPONENT DELETE SIDE 1

1-1 DELETE C12

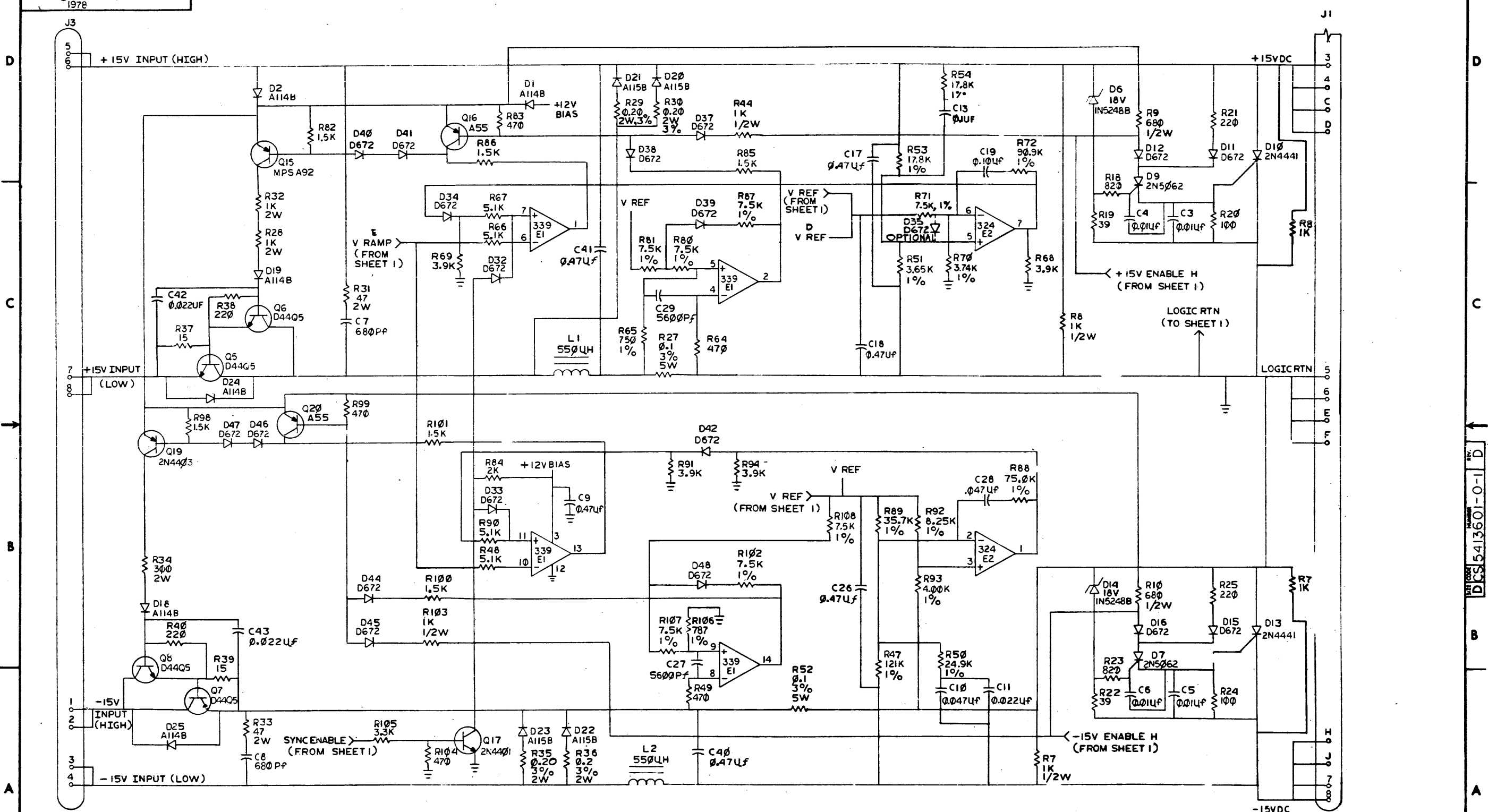
REVISION HISTORY		
DATE	ECO NUMBER	REV.

TITLE LOGIC INVERTER
CONTROL BOARD

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	UA	541360I-0-0	C
SCALE NONE		SHEET 4 OF 4	



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REVISIONS		
CHK	CHANGE NO.	REV.

										TITLE		SIZE CODE		NUMBER		REV.	
										LOGIC INVERTER CONTROL BOARD		D CS		5413601-0-1		D	
										SCALE		SHEET 2 OF 2		DWT.			

8 7 6 5 4 3 2 1 TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-MD-5013600-0-0	5013600-00	DRILL & ETCH BD	1		
2	2		1010978-24	.01 MFD 50V 10%	6		C1-C6
3	3		1013280-00	680.0 MMF 1000V 5%200PPM MICA	2		C7,C8
4	4		1010279-01	.47 MFD 25V 20%	14		C9,C14,C18,C21,C30-C32,C34,C35,
						CONT	C38,C17,C26,C40,C41
5	5		1010978-32	.047 MFD 50V 10%	2		C10,C28
6	6		1011683-00	.022 MFD 50V 10%	1		C11
7	7		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1		C15
8	8		1002627-00	2.2MFD 20V 10% S.TANT	1		C16
9	9	BLANK		*** THIS ITEM IS NOT USED ***	-		
10	10		1010978-36	.1 MFD 50V 10%	3		C19,C33,C13
11	11		1010274-00	.22 MFD 50V +80-20% 25U CER	1		C20
12	12		1000012-00	56.0 MMF 100V 5%200PPM MICA	1		C22
13	13		1013466-08	680.0 MMF 50V 10% X7R CER	1		C24
14	14		1000052-00	.068 MFD 100V 10% MYLR	1		C25
15	15		1012783-00	.022 MFD 50V +80-20% CER	2		C43,C42
16	16		1011740-00	5600.0 MMF 50V 10% CER	2		C27,C29
17	17		1005306-00	6.8MFD 35V 10% S.TANT	1		C36
18	18		1013466-09	1000.0 MMF 50V 10% X7R CER	1		C37
19	19		1011740-01	3300.0 MMF 50V 10% CER	1		C39
20	20		1112595-01	A114B PIV=200 I= 1A	8		D1,D2,D5,D18,D19,D24,D25,D36
21	21		1111205-00	SCREENED VZ= 5.7 2% .40W	1		D3
22	22		1105275-00	D 672 TR= 15NS PIV= 60V SI	28		D4,D11,D12,D15,D16,D27-D34,
						CONT	D37-D50,D52
23	23		1110766-00	1N 5248B VZ= 18.0 5% .50W	2		D6,D14
24	24		1110968-00	2N 5062 SCRA100V I=.8A T092	3		D7-D9
25	25		1109991-00	1N 754A VZ= 6.8 5% .40W	1		D17
26	26		1112594-01	A115B PIV=200 I= 3A	4		D20-D23
27	27		1105871-00	1/4M5,1AZ1 = 5.1 1% .25W N	1		D26
28	28		1105873-00	*** THIS ITEM IS NOT USED ***	-		

REVISION HISTORY			BASIC PART NO: 5413601			DRN: J.LENT			DATE: 3-JAN-79			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GERRY			DATE: 19-JUL-79			TITLE PARTS LIST		
---	INITIAL	B	SECTION VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE: 19-JUL-79			LOGIC INVERTER CONTROL BD		
---	INITIAL	B	[A] 00											
RW	5413601-TW001	IC	[B]											
RH	5413601-TW002	D	[C]											
			[D]											
			[E]											
			[F]			RESP.ENG.: J.A.HERRMANN			DATE: 19-JUL-79			DOCUMENT NUMBER		
			[H]											
			[J]									SIZE CODE NUMBER REV		
			[K]			MFG.ENG.: F.MUNIZ			DATE: 19-JUL-79			K PL 5413601-0-DBP D		
			[L]											
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
			[N]			D-UA-5413601-0-0						Z0400.PLS 22		
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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
29	29		121172R-00	SOCKET 1POS STRIP FORM	14	J2,J3
30	30		1216112-01	HEADER,100 28POS RT ANGLE	1	J1
31	31		1302751-00	30.0 .25 W 5.0 % CC	1	R1
32	32		1301317-00	10.0 .25 W 5.0 % CC	1	R2
33	33		1301775-00	820.0 .25 W 5.0 % CC	3	R3,R18,R23
34	34		1312928-00	51.0 .25 W 5.0 % CC	2	R4,R5
35	35		1310382-00	2.70 1.0 W 5.0 % CC	1	R6
36	36		1300364-00	1.0 K .50 W 5.0 % CC	7	R7,R8,R26,R42,R44,R103,R130
37	37		1300347-00	680.0 .50 W 5.0 % CC	2	R9,R10
38	38		1300365-00	1.0 K .25 W 5.0 % CC	6	R11,R14,R15,R41,R45,R128
39	39		1300391-00	1.50 K .25 W 5.0 % CC	9	R12,R13,R16,R82,R85,R86,R98, R100,R101
40	40		1300309-00	390.0 .25 W 5.0 % CC	2	CONT R17,R133
41	41		1302377-00	39.0 .25 W 5.0 % CC	2	R19,R22
42	42		1300229-00	100.0 .25 W 5.0 % CC	3	R20,R24,R63
43	43		1300271-00	220.0 .25 W 5.0 % CC	4	R21,R25,R38,R40
44	44		1305872-00	.10 5.0 W 3.0 % WW	2	R27,R52
45	45		1301952-00	1.0 K 2.0 W 5.0 % CC	2	R28,R32
46	46		1311604-00	.20 3.0 W 3.0 % WW	4	R29,R30,R35,R36
47	47		1314023-00	47.0 2.0 W 5.0 % CC	2	R31,R33
48	48		1309855-00	300.0 2.0 W 5.0 % CC	1	R34
49	49		1301421-00	15.0 .25 W 5.0 % CC	2	R37,R39
50	50		1302955-00	750.0 .25 W 1.0 % RN55D-F10	1	R65
51	51		1302323-00	360.0 .50 W 5.0 % CC	1	R43
52	52		1300394-00	1.50 K .50 W 5.0 % CC	1	R46
53	53		1303438-00	121.0 K .25 W 1.0 % RN55D-F10	1	R47
54	54		1300316-00	470.0 .25 W 5.0 % CC	6	R49,R64,R83,R99,R104,R129
55	55		1305405-00	24.90 K .25 W 1.0 % RN55D-F10	2	R50,R118
56	56		1304835-00	/REPLACED BY 13-05337-00	1	R51
57	57		1312989-00	17.80 K .25 W 1.0 % RN55D-F10	2	R53,R54
58	58		1313151-00	3.60 K .25 W 5.0 % CC	1	R126
59	59		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1	R55
60	60		1305356-00	8.0 K .25 W .10 % RN55C-B 5	2	R56,R114
61	61		1305129-00	8.0 K .25 W 1.0 % RN55D-F10	1	R57
62	62		1312930-00	5.10 K .25 W 5.0 % CC	5	R48,R66,R67,R90,R127
63	63		1300444-00	3.90 K .25 W 5.0 % CC	5	R60,R68,R69,R91,R94
64	64		1302466-00	100.0 K .25 W 5.0 % CC	1	R61
65	65		1301401-00	750.0 .25 W 5.0 % CC	1	R62
66	66		1304693-00	*** THIS ITEM IS NOT USED ***	-	
67	67		1302391-00	20.0 K .25 W 5.0 % CC	2	R77,R74
68	68		1312452-00	3.74 K .25 W 1.0 % RN55D-F10	1	R70
69	69		1313344-00	75.0 K .25 W 1.0 % RN55D-F10	1	R88
70	70		1311320-00	90.90 K .25 W 1.0 % RN55D-F10	1	R72
71	71		1304728-00	4.0 K .25 W .10 % RN55E-B 2	2	R73,R113
72	72		1300439-00	1.30 K .25 W 5.0 % CC	3	R75,R105,R115
73	73		1312932-00	36.0 K .25 W 5.0 % CC	1	R76
74	74		1301459-00	47.50 .75 W 1.0 % RN65D-F10	1	R78
75	75		1300195-00	33.0 .50 W 5.0 % CC	1	R79

D	I	G	I	T	A	L	TITLE	LOGIC INVERTER CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413601-0-DBP	D

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
76	76		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	7	R80,R81,R107,R108,R87,R102,R71
77	77		1302388-00	2.0 K .25 W 5.0 % CC	2	R59,R84
78	78		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R89
79	79		1305325-00	8.25 K .25 W 1.0 % RN55D-F10	1	R92
80	80		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	R93,R124
81	81		1305432-00	5.11 K .25 W .10% RN55E-B 2	2	R95,R117
82	82		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	R96
83	83		1300292-00	300.0 1.0 W 5.0 % CC	1	R97
84	84		1304865-00	1.0 K .25 W .10% RN55E-B 2	4	R109-R112
85	85		1300250-00	150.0 .25 W 5.0 % CC	1	R119
86	86		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	1	R120
87	87		1312565-00	13.30 K .25 W 1.0 % RN55D-F10	1	R121
88	88		1300202-00	*** THIS ITEM IS NOT USED ***	-	
89	89		4810004-48	*** THIS ITEM IS NOT USED ***	-	
90	90		1302381-00	200.0 .50 W 5.0 % CC	1	R131
91	91		1300257-00	150.0 2.0 W 5.0 % CC	1	R132
92	92		1301522-00	27.0 .25 W 5.0 % CC	1	R134
93	93		1301972-00	270.0 .25 W 5.0 % CC	1	R135
94	94		1510705-00	XA 05 NPN 500MW SI 60 50 P	5	Q1-Q4,Q12
95	95		1514271-01	D 44Q5 NPN 31W SI225 30	4	Q5-Q8
96	96		1510706-00	XA 55 PNP 500MW SI 60 50 P	5	Q9,Q10,Q14,Q16,Q20
97	97		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q11
98	98		1513490-00	2N 4403 PNP 350MW SI-40 30	2	Q13,Q19
99	99		1516121-00	MPS A92 PNP 625MW SI300 25	1	Q15
100	100		1513489-00	2N 4401 NPN 350MW SI 40 20	4	Q17,Q18,Q21,Q22
101	101		1505867-00	2N 4441 SCRD 50V & 8A	2	D10,D13
102	102		1616213-00	450.0 UH 4 A	2	L1,L2
103	103		1912108-00	339 VOLT CMPRTR,QUAD	2	E1,E4
104	104		1912107-00	324 OP AMP,QUAD	1	E2
105	105		1914250-00	3524 MODULATOR-REGULATING	1	E3
106	106		7422047-01	HEAT SINK DOUBLE	2	
107	107		1301424-00	680.0 .25 W 5.0 % CC	1	R58
108	108		9006039-01	SCREW,PAN,PHIL 8-32X 1/2 SS	2	
109	109		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	4	
110	110		9006690-00	WASHER, LOCK, S.S. #8	2	
111	111		1303177-00	2.40 K .25 W 5.0 % CC	1	R116
112	112		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	4	
113	113		9009769-00	WASHER, RECTANGULAR .405X.225X.0	4	
114	114		9006556-00	NUT,HEX 4-40X1/4 AF X 3/	4	
115	115		9006688-00	WASHER, LOCK, S.S. #4	4	
116	116		9010128-00	SCREW,TAPPING,TYPE PAN,PHIL,	4	
117	117		9007201-00	TRANSIPADS #10253	1	C23
118	118		9008260-00	COMPOUND, THERMAL JOINT	A/R	
119	119		1314516-00	200.0 K .25 W 5.0 % CC	1	R123
120	120		1313592-00	4.87 K .25 W 1.0 % RN55D-F10	1	R125
121	121		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
122	122		1000009-00	*** THIS ITEM IS NOT USED ***	-	
123	123		4810004-34	*** THIS ITEM IS NOT USED ***	-	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							LOGIC INVERTER CONTROL BD		K	PL	5413601-0-DBP	D

TW

AUTOMATED BY PRTLST,3G(17)

PARTS LIST

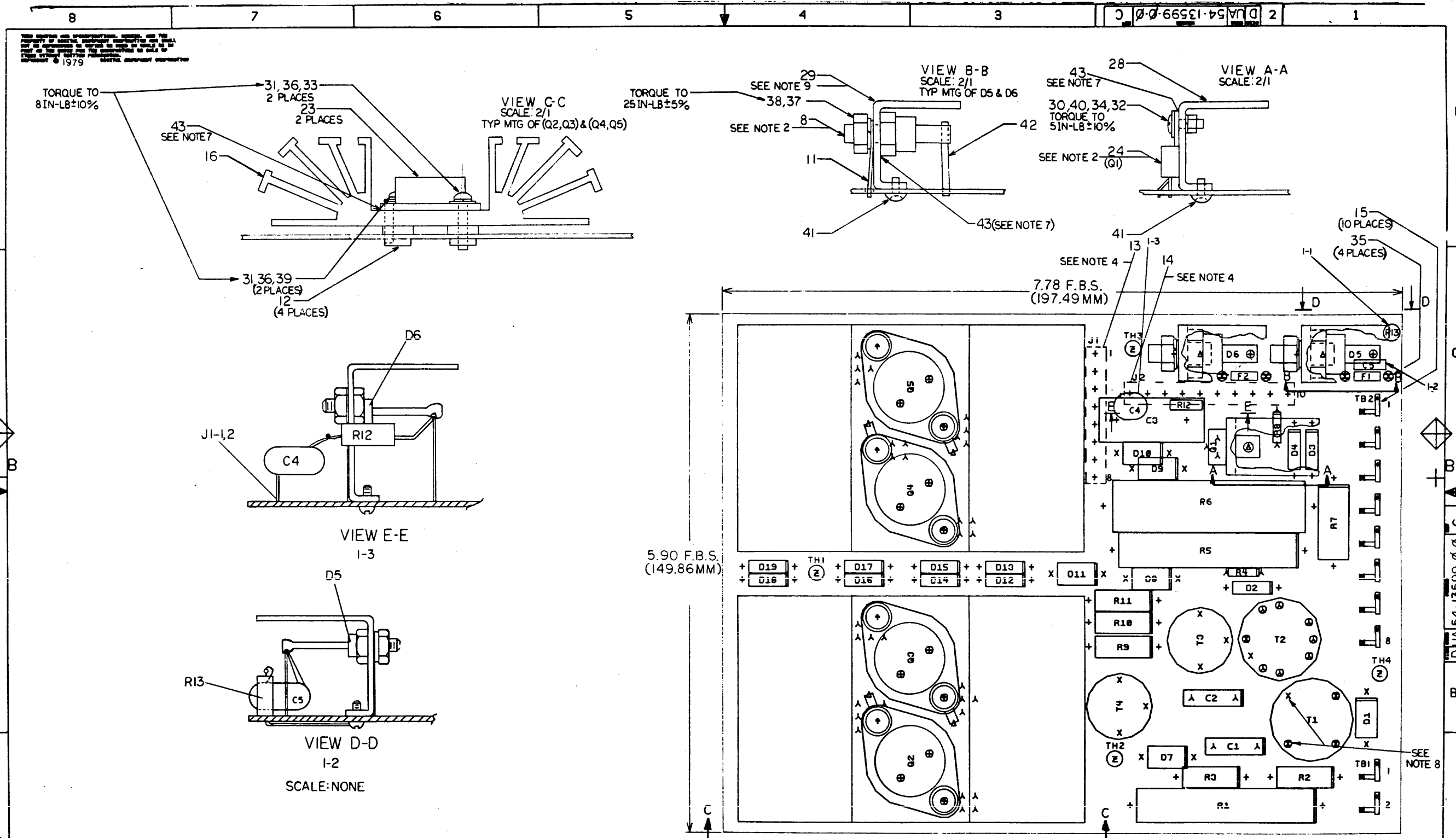
SHEET A4 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
124	124		1313794-00	787.0 .25 W 1.0 % RN55D-F10	1	R106

125 NOTE: ITEM #121; .52" IS USED.

D	I	G	I	T	A	L	TITLE	LOGIC INVERTER CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413601-0-DBP	D

TW



- NOTES:**
- 1 FOR STEP AND REPEAT DIM'S SEE 2.ML 39
 - 2 Q1,D5 & D6 MUST BE MOUNTED TO HEATSINKS BEFORE BEING ATTACHED TO P.C.B.
 - 3 FOR ASSM OF ITEM 23 SEE VIEW C
 - 4 J1 AND J2 TO BE MOUNTED ON SIDE 2
 - 5 RAISE R15 AND R6 .125 TO .150" OFF P.C.B.
 - 6 RAISE D1,7,8-11 AND R3,7,9-11 .05 TO .100"

CHECK	NO	REV	DATE	BY	APP
1	1	1	2-9-79	R. J. CHAPMAN	
2	1	1	2-11-79	R. J. CHAPMAN	
3	1	1	6-21-79	R. J. CHAPMAN	
4	1	1	6-21-79	R. J. CHAPMAN	
5	1	1	7-15-79	R. J. CHAPMAN	

- NOTES:**
- 7 USE THERMAL COMPOUND ITEM 43 BETWEEN Q2,Q3,Q4,Q5 - Q1,D5,D6, AND HEAT SINK.
 - 8 LARGER DIAMETER LEADS IN THESE TWO POSITIONS.
 - 9 TOP FIN OF ITEM 29 (HEATSINK) MUST BE INSTALLED PARALLEL TO EDGE OF BOARD

ETCH REV.	C
P.C. DESIGN DATA BRSE REV.	CL

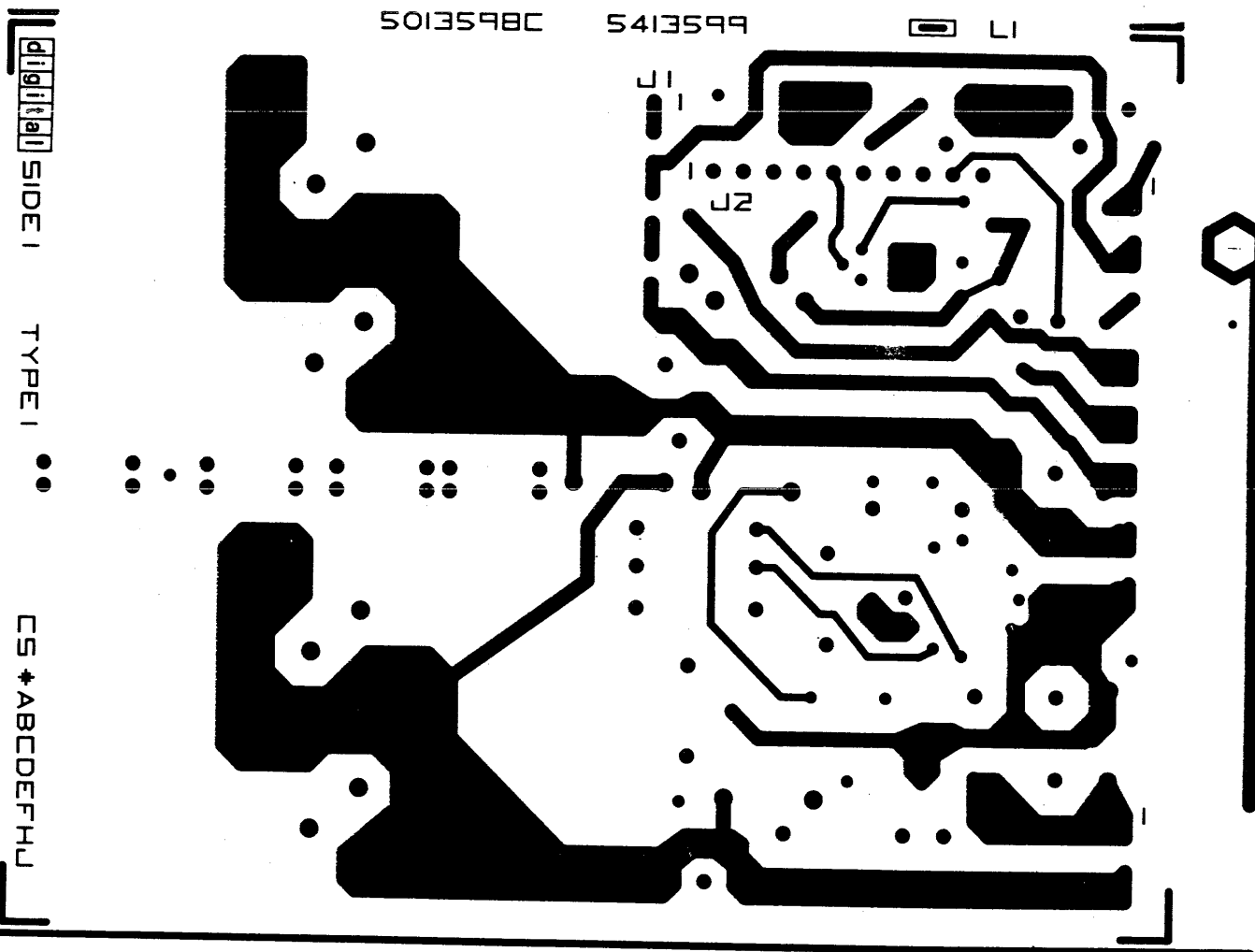
SIGNATURES	DATE	TITLE
DRN. <i>Don Felt</i>	2-9-79	digital
CHK'D. <i>Frank Ruffalo</i>	2-11-79	
ENC. <i>R. J. Chapman</i>	6-21-79	
PROJ. ENG. <i>R. J. Chapman</i>	6-21-79	
PROD. <i>F. M. M.</i>	7-15-79	
SCALE 2/T		
SHT. 1 OF 4		
NEXT HIGHER ASSY. B-DD-54-13599-0		

LOGIC INVERTER BD.

SIZE CODE 0 UA 54-13599-0-0 C

1 MS# 125679

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digital SIDE 1

TYPE I

CS + ABCDEFHJ

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE
LOGIC INVERTER BOARD

SIZE CODE
D UA

NUMBER
5413599-0-0

REV.
C

SCALE 1/1

SHEET 2 OF 4

DIST.

1

TW

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2 DUA 5413599-0-0 C

L2  UL APPROVAL REQUIRED

5013598 C
5413599

SIDE 2

REVISIONS		
REV	CHANGE NO	REV

TITLE
LOGIC INVERTER BOARD

SIZE/CODE
DUA

NUMBER
5413599-0-0

REV.
C

SCALE 2/1

SHEET 3 OF 4

DIST.

tw

8

C

0-0-66599-0-0

6

5

4

3

2

1

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REWORK INSTRUCTION (ECO 1)

COMPONENT ADDS: SIDE 1

- 1-1 INSTALL R13 BY DRILLING ONE .055" HOLE AS SHOWN. (HOLE IS UNDERNEATH R13)
- 1-2 C5 AND R13 ARE CONNECTED BY TWISTING ONE LEAD OF R13 WITH ONE LEAD OF C5 AND SOLDERING. THE OTHER LEAD OF R13 IS TACK SOLDERED TO THE ETCH ON SIDE 2 LEADING TO THE CATHODE OF D5. THE OTHER LEAD OF C5 IS CONNECTED TO THE ANODE OF D5. (SEE VIEW D-D)
- 1-3 R12 AND C4 ARE CONNECTED BY TWISTING ONE LEAD OF R12 WITH ONE LEAD OF C4 AND SOLDERING. THE OTHER LEAD OF R12 IS CONNECTED TO THE ANODE OF D6. THE OTHER LEAD OF C4 IS TACK SOLDERED TO J1-1 AND 2. (SEE VIEW E-E)

D

C

B

A

D

C

B

A

REVISION HISTORY		
DATE	ECO NUMBER	REV.

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DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
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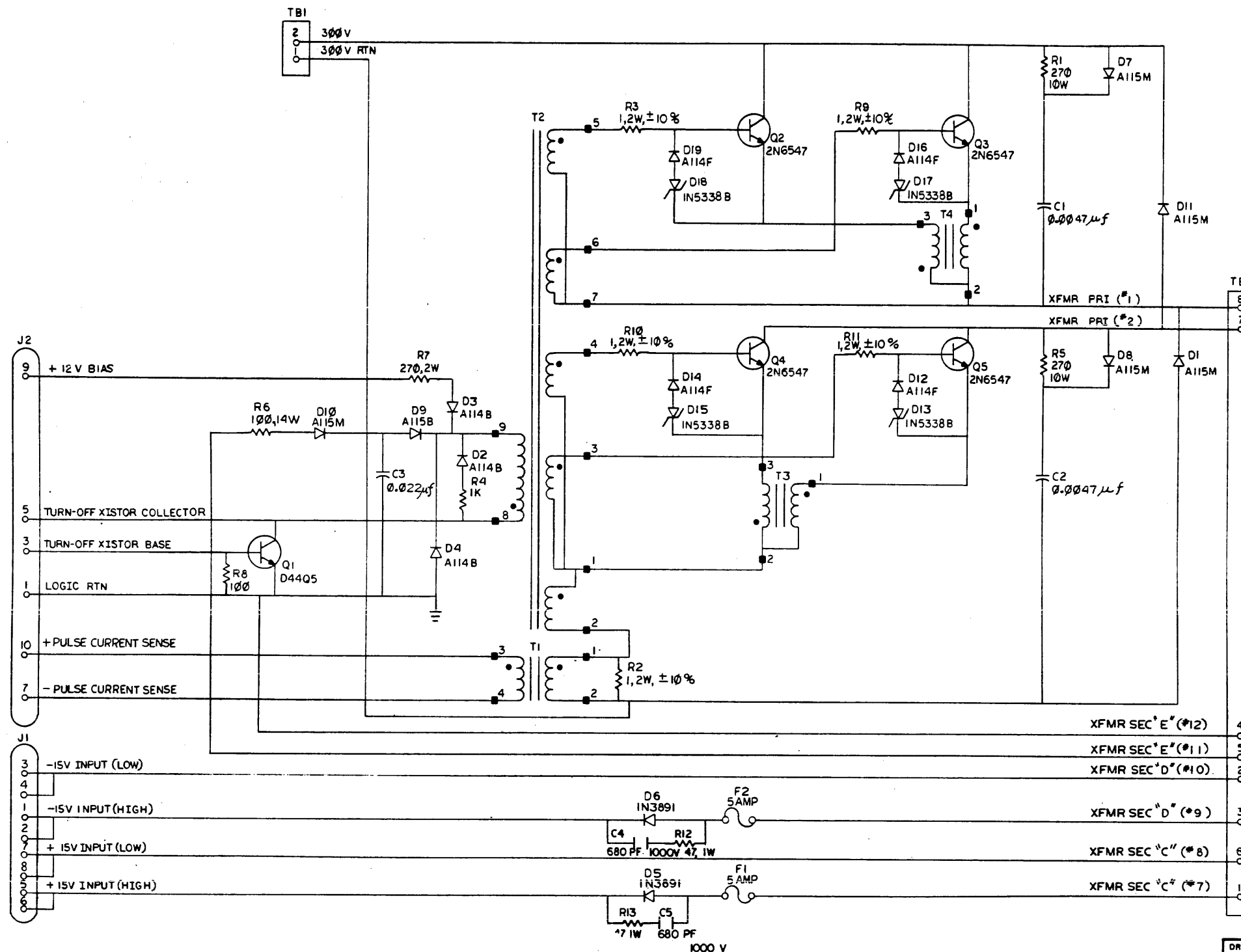
D	UA	54-13599-0-0	C
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SCALE 2/1	SHEET 4 OF 4
-----------	--------------

TITLE
LOGIC INVERTER BOARD

TW 1

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DRN. <i>[Signature]</i>	10-3178	FIRST USED ON	<i>[Signature]</i>
CHK'D <i>[Signature]</i>	6-2-78	TITLE	
ENG. <i>[Signature]</i>	6-2-78	LOGIC INVERTER BOARD	
PROJ. ENGR. <i>[Signature]</i>	6-2-78	REV. D	
PROD. <i>[Signature]</i>	7-18-78	NUMBER	
NEXT HIGHER ASSY.		REV. D	
SCALE		SIZE CODE	
SHEET 1 OF 1		DIST.	

REV.	CHANGE NO.	DATE	BY	CHKD.
1	1	10/26/78	R. WOLF	
2	2	11/14/78	R. HEATON	
3	3	12/11/78	R. HEATON	
4	4	1/11/79	R. HEATON	
5	5	2/1/79	R. HEATON	
6	6	2/1/79	R. HEATON	
7	7	2/1/79	R. HEATON	
8	8	2/1/79	R. HEATON	

SHEET A1 OF A2

REVISION HISTORY			BASIC PART NO: 5413599		DRN: K.FRIEDGEN		DATE: 20-JUL-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: F.GERRY		DATE: 20-JUL-79		TITLE PARTS LIST			
RR	5413599-TW001	C	[A] 00		DES.ENG: J.A.HERRMANN		DATE: 20-JUL-79		LOGIC INVERTER BD			
RH	5413599-TW002	D	[B]		RESP.ENG.: J.A.HERRMANN		DATE: 20-JUL-79		DOCUMENT NUMBER			
RH	5413599-TW002	D	[C]		MFG.ENG.: F.MUNIZ		DATE: 20-JUL-79		SIZE	CODE	NUMBER	REV
			[D]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[E]		D-UA-5413559-0-0				Z0399.PLS		18	
			[F]									
			[G]									
			[H]									
			[I]									
			[J]									
			[K]									
			[L]									
			[M]									
			[N]									

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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31	31		9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	8	
32	32		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
33	33		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4	
34	34		9006688-00	WASHER, LOCK, S.S. #4	1	
35	35		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	4	
36	36		9007801-00	WASHER, LOCK, S.S. #6	8	
37	37		9007906-00	WASHER, LOCK S.S. #10	2	
38	38		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	
39	39		9009676-00	TERM LUG 1POS SOLDER	4	
40	40		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
41	41		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	3	
42	42		9107560-03	WIRE,BUSS,18AWG	A/R	
43	43		9008268-00	COMPOUND, THERMAL JOINT	A/R	
44	44		1013280-00	680.0 MMF 1000V 5%200PPM MICA	2	C4,C5
45	45		1302199-00	47.0 1.0 W 5.0 % CC	2	R12,R13

46 NOTE: ITEM #42; .19' IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							LOGIC INVERTER BD		K	PL	5413599-0-DBF	D

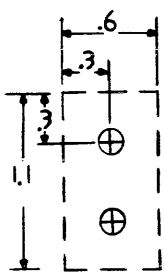
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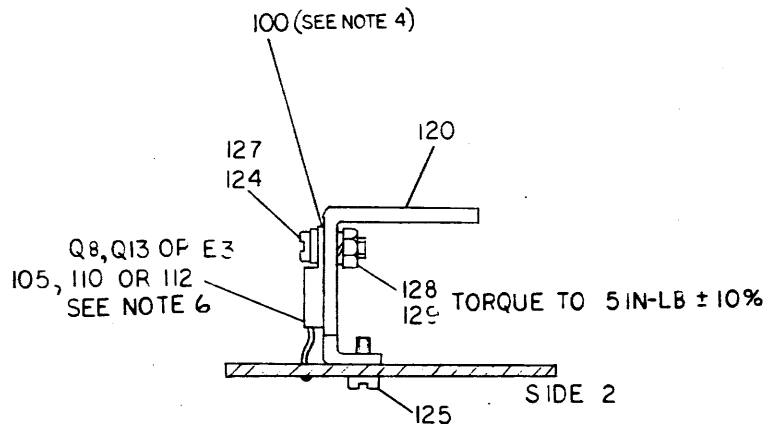
8 7 6 5 4 3 2 1

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



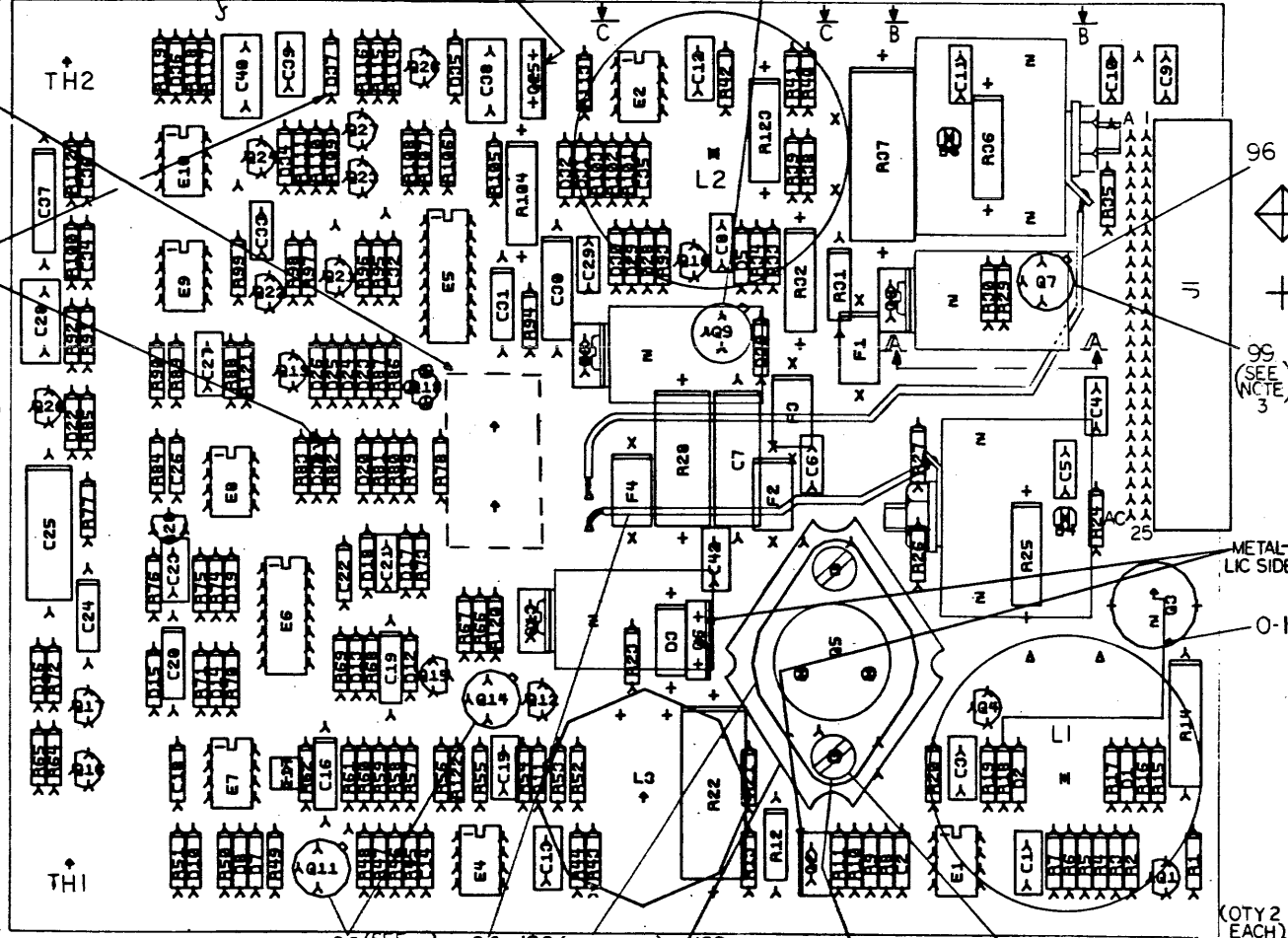
SECTION A-A
SCALE: 2/1
TYPICAL 3 PLACES

FOR -00 DIODE IS USED
FOR -YA JUMPER IS USED

5.90 F.B.S.
(149.86 MM)

7.78 F.B.S.
(197.49 MM)

97 TORQUE TO
137.25 IN-LB
136 ± 5%



- NOTES:
1. R4, R37 MUST BE PAISED .125" TO .150".
 2. D3 MUST BE PAISED .05" TO .10".
 3. USE TRANSIPADS (ITEM 99) UNDER Q7, Q9, Q11, Q14.
 4. USE THERMAL CONDUCT. PD (ITEM 100) BETWEEN E3, Q5, Q8, Q13, D4, D6 / HEAT SINK.

STEP 6	→ Y AXIS 5.025 STEP 1 TIMES
REPEAT	→ X AXIS 7.900 STEP 1 TIMES

CHG	NO	REV	DATE	BY	APP
5413607-0	1	E	12-27-79	R.WOLF	
5413607-0	2	F	2-5-80	R.WOLF	
5413607-0	3	G	10-5-80	R.WOLF	
5413607-0	4	H	10-9-80	R.WOLF	

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.

ETCH REV.	D-P1
-----------	------

SIGNATURES	DATE
DRN. P. RICHARD TELLER	12-27-79
CHK'D. [Signature]	2-5-80
MECH. ENG. [Signature]	10-5-80
PROD. [Signature]	10-9-80
SCALE 2/1	
SHT. 1 OF 2	
NEXT HIGH. REVISION: 8-00-5413607-0	

TITLE	MEMORY REGULATOR
SIZE CODE	0
NUMBER	UA 5413607-0-0
REV	E

TW 1 MS#171921D-P1

8

3 0-0-2096145 DUA 5413607-0-0

6

5

4

3

2

1

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D

REWORK INSTRUCTION

WIRE ADD SIDE 1

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

C

B

A

D

C

E

0-0-2096145

DUA

5413607-0-0

B

A

REVISION HISTORY		
DATE	ECO NUMBER	REV.

TITLE
MEMORY REGULATOR

DOCUMENT NUMBER		REV.
SIZE	CODE	
D	UA	E
5413607-0-0		
SCALE		SHEET 2 OF 2

8

7

6

5

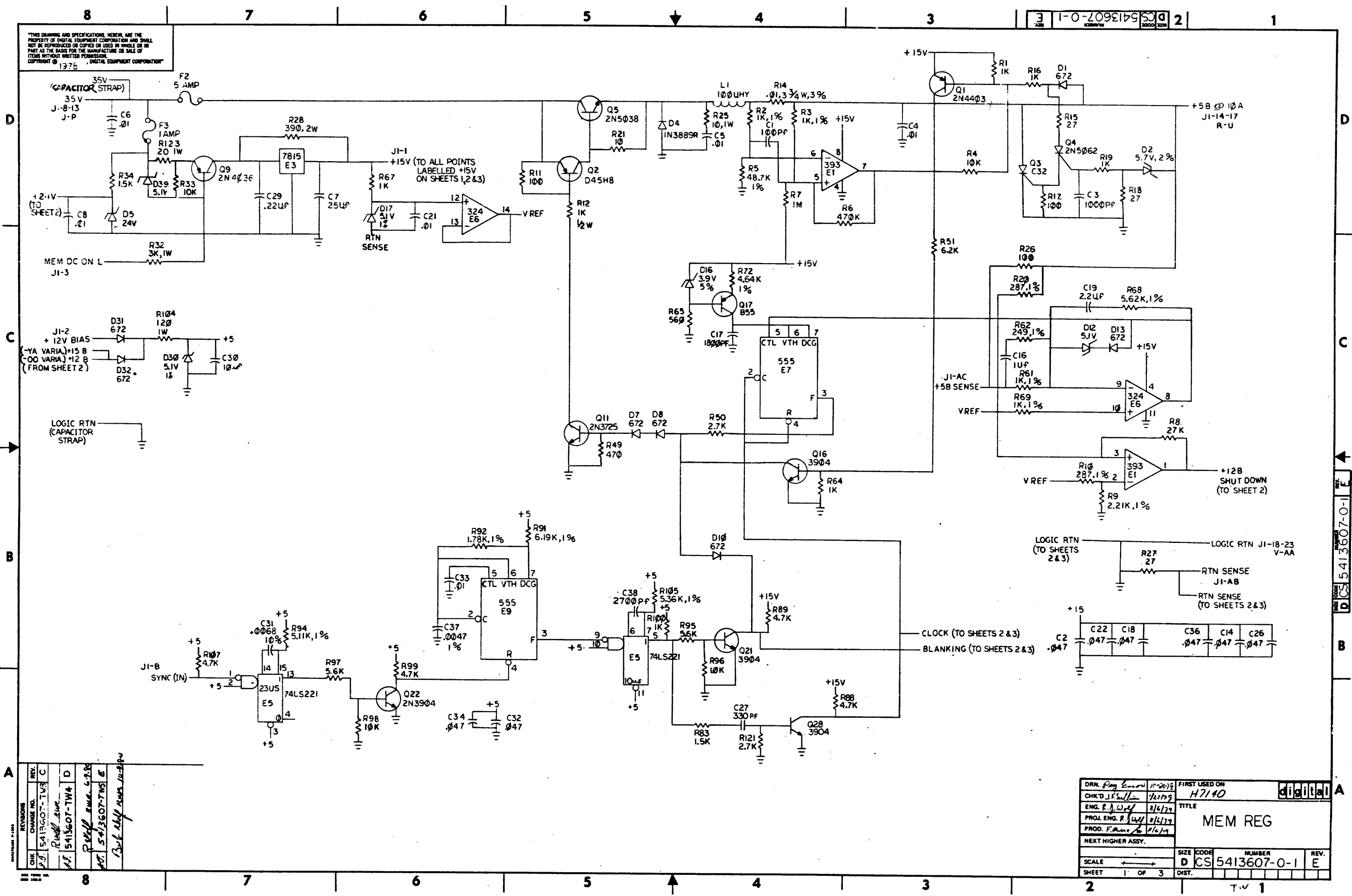
4

3

2

1

7W



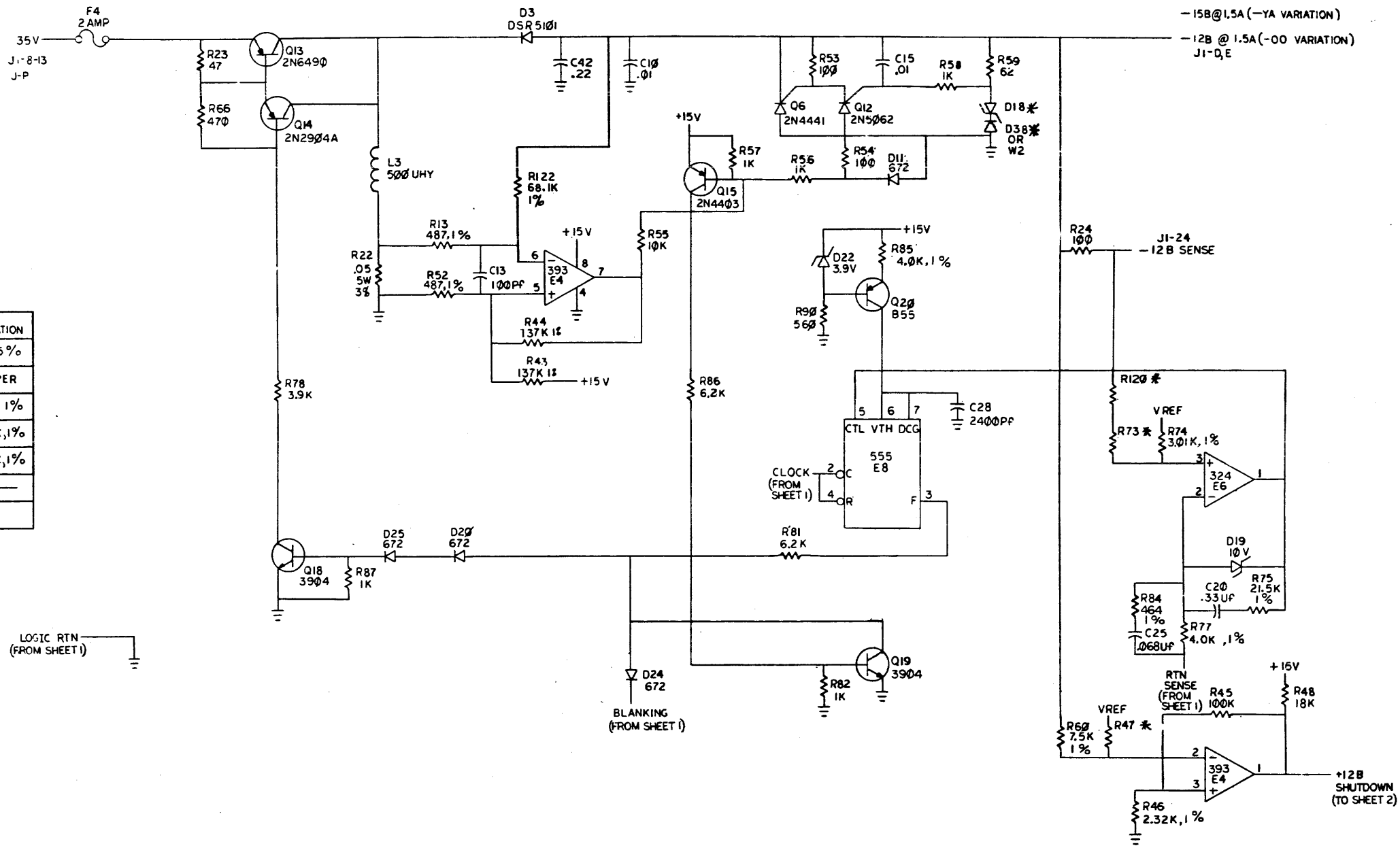
REV.	DATE	BY	CHKD.
1	10/1/77	J. J. W.	J. J. W.
2	10/1/77	J. J. W.	J. J. W.
3	10/1/77	J. J. W.	J. J. W.
4	10/1/77	J. J. W.	J. J. W.
5	10/1/77	J. J. W.	J. J. W.
6	10/1/77	J. J. W.	J. J. W.
7	10/1/77	J. J. W.	J. J. W.
8	10/1/77	J. J. W.	J. J. W.

DRM. Proj. Error	10-20-77	FIRST USED ON	H7140
CHK'D J. J. W.	10/1/77	TITLE	MEM REG
ENG. R. J. W.	10/1/77	SIZE	D
PROD. ENG. R. J. W.	10/1/77	NUMBER	5413607-0-1
PROD. F. J. W.	10/1/77	REV.	E
NEXT HIGHER ASSY.		SCALE	1" = 1"
		SHEET	1 OF 3

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*

COMPONENT DESIGNATOR	-00 VARIATION	-YA VARIATION
D18	13V, 5%	18V, 5%
W2	—	JUMPER
R47	3.48K, 1%	2.8K, 1%
R73	5.62K, 1%	5.36K, 1%
R120	1.47K, 1%	3.48K, 1%
D38	672	—



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	MEM REG	SIZE CODE	NUMBER	REV.
SCALE	SHEET 3 OF 3	DIST.		

DCS 5413607-0-1 E

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
1	1	D-MD-5013606-0-0	5013606-00	DRILL & ETCH BD	1	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	1	C30
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	2	C3,C39
4	4		1000052-00	.068 MFD 100V 10% MYLR	1	1	C25
5	5		1000060-00	6800.0 MMF 200V 10% MYLR	1	1	C31
6	6		1000075-00	25 MFD 25V +75-10% AL EL	1	1	C7
7	7		1001610-01	.01 MFD50/100V +80-20% DISC	10	10	C4-C6,C8-C11,C21,C33,C15
8	8		1001776-00	1 MFD 35V 10% S.TANT	1	1	C16
9	9		1001636-00	2400.0 MMF 100V 5%200PPM MICA	2	2	C28,C40
10	10		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1	1	C38
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1	1	C19
12	12		1005328-00	.33 MFD 10V 10% S.TANT	1	1	C20
13	13		1009312-00	.0047 MFD 100V 1% MYLR	1	1	C37
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	1	1	C29
15	15		1011740-02	1800.0 MMF 50V 10% CER	1	1	C17
16	16		1011895-00	.15 MFD 35V 10% S.TANT	1	1	C24
17	17		1012784-00	.047 MFD 50V +80-20% CER	9	9	C2,C14,C18,C22,C26,C32,C34-C36
18	18		1100122-00	1N 748A VZ= 3.9 5%	3	3	D16,D22,D34
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SI	19	-	D1,D7,D8,D10,D11,D13,D14,D20, D23-D26,D28,D29,D31,D32,D35,D37, D38
			CONT		-	17	CONT D1,D7,D8,D10,D11,D13,D14,D20, D23-D26,D28,D29,D31,D32,D35
20	20		1100125-00	1N 758A VZ= 10.0 5% .40W PPE	1	1	D19
21	21		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	3	3	D17,D30,D39
22	22		1109988-00	1N 964B VZ= 13.0 5% .40W	2	-	D18,D36
23	23		1110491-01	1N 3889R PIV=50 I=12A D04	2	2	D4,D6
24	24		1110713-00	SZ710910 VZ= 5.1 2% M	2	2	D12,D15
25	25		1110836-00	1N 970B VZ= 24.0 5% .40W Y	1	1	D5
26	26		1111205-00	SCREENED VZ= 5.7 2% .40W	1	1	D2

REVISION HISTORY		BASIC PART NO: 5413607		DRN: J.FERGUSON	DATE: 06-AUG-80	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A			TITLE		PARTS LIST	
---	TW005	H	SECTION VARIATION INDEX	CHK'D: J.FERGUSON	DATE: 06-AUG-80	MEMORY REG			
			[A] 00,YA						
			[B]						
			[C]	DES.ENG: B.WOLF	DATE: 06-AUG-80				
			[D]						
			[E]						
			[F]	RESP.ENG.: B.WOLF	DATE: 06-AUG-80	DOCUMENT NUMBER			
			[H]			SIZE	CODE	NUMBER	REV
			[J]						
			[K]	MFG.ENG.: P.WAITKUS	DATE: 06-AUG-80	K	PL	5413607-0-DBP	H
			[L]						
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[N]	D-UA-5413607-0-0	B-DD-5413607-0-0	Z0403H.PLS		38	
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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER	VARIATION	REFERENCE DESIGNATOR
					00	YA		
27	27		1114602-00	UES1302 FIV=100V I= 4A	1	1		D3
28	28		1110968-00	2N 5062 SCR@100V I=.8A T092	3	3		Q4,Q12,Q26
29	29		1010978-40	.22 MFD 50V 10% CER	2	2		C23,C42
30	30		1210929-02	FUSE, SUB-MINI 1.000A, 125V, A	1	1		F3
31	31		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	2	2		F1,F2
32	32		1216112-03	HEADER,100 50POS RT ANGLE	1	1		J1
33	33		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	2		R77,R85
34	34		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1	1		R72
35	35		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	2	2		R94,R111
36	36		1300391-00	1.50 K .25 W 5.0 % CC	2	2		R34,R83
37	37		1300316-00	470.0 .25 W 5.0 % CC	3	3		R29,R49,R66
38	38		1300447-00	4.70 K .25 W 5.0 % CC	6	6		R99,R107,R112,R88,R89,R108
39	39		1300229-00	100.0 .25 W 5.0 % CC	9	9		R11,R17,R24,R26,R35,R53,R54, R106,R114
40	40		1301317-00	10.0 .25 W 5.0 % CC	1	1	CONT	R21
41	41		1300364-00	1.0 K .50 W 5.0 % CC	1	1		R12
42	42		1300171-00	10.0 1.0 W 5.0 % CC	2	2		R25,R36
43	43		1313014-00	.01 3.75 W 3.0 % WW	1	1		R14
44	44		1301864-00	390.0 2.0 W 5.0 % CC	1	1		R28
45	45		1300479-00	10.0 K .25 W 5.0 % CC	5	5		R4,R33,R55,R96,R98
46	46		1309595-00	1.0 M .25 W 5.0 % CC	2	2		R7,R38
47	47		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	6	6		R2,R3,R61,R69,R70,R101
48	48		1313842-00	48.70 K .25 W 1.0 % RN55D-F10	1	-		R5
49	49		CONT		-	2		R5,R39
50	50		1300365-00	1.0 K .25 W 5.0 % CC	16	16	CONT	R1,R16,R19,R56-R58,R64,R67,R82, R87,R93,R100,R110,R115,R116,R118
51	51		1301520-00	27.0 .25 W 5.0 % CC	3	3		R15,R18,R27
52	52		1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1	-		R47
53	53		CONT		-	1		R120
54	54		1301890-00	560.0 .25 W 5.0 % CC	3	3		R65,R90,R117
55	55		1300426-00	2.70 K .25 W 5.0 % CC	2	2		R50,R121
56	56		1211751-00	FUSE, SUB-MINI, 2.000A, 125V, A	1	1		F4
57	57		1305128-00	5.62 K .25 W 1.0 % RN55D-F10	2	-		R68,R73
58	58		CONT		-	1		R68
59	59		1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	1		R45
60	60		1309787-00	249.0 .25 W 1.0 % RN55E-F 2	1	1		R62
61	61		1310876-03	.05 5.0 W 3.0 % WW	1	1		R22
62	62		1305124-00	287.0 .25 W 1.0 % RN55D-F10	2	2		R10,R20
63	63		1310631-00	2.21 K .25 W 1.0 % RN55D-F10	1	1		R9
64	64		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1	-		R105
65	65		CONT		-	2		R105,R73
66	66		1302612-00	1.78 K .25 W 1.0 % RN55D-F10	1	1		R92
67	67		1300202-00	47.0 .25 W 5.0 % CC	2	2		R23,R30
68	68		9006801-00	SPACER, HEX, ALUM, .138 ID X .3	1	1		
			1311845-00	487.0 .25 W 1.0 % RN55D-F10	4	4		R13,R40,R41,R52
			1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1	-		R39
			1310876-00	.02 5.0 W 3.0 % WW	1	1		R37
			1312984-00	187.0 K .25 W 1.0 % RN55D-F10	1	1		R42

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

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER	VARIATION	REFERENCE DESIGNATOR
					00	YA		
69	69		9006026-01	SCREW,PAN,PHIL 6-32X 3/4 SS	1	1		
70	70		1300440-00	3.30 K .50 W 5.0 % CC	1	1		R31
71	71		1312929-00	62.0 .25 W 5.0 % CC	2	2		R59,R119
72	72		1305252-00	68.10 K .25 W 1.0 % RN55D-F10	2	2		R71,R122
73	73		1305325-00	8.25 K .25 W 1.0 % RN55D-F10	1	1		R76
74	74		9006653-00	WASHER, FLAT, .375 O.D. X .156 I	1	1		
75	75		9107560-03	WIRE,BUSS,18AWG	A/R	A/R		
76	76		1305346-00	27.0 K .25 W 5.0 % CC	2	2		R8,R113
77	77		1310634-00	2.67 K .25 W 1.0 % RN55D-F10	2	-		R80,R103
78	78		1310632-00	2.37 K .25 W 1.0 % RN55D-F10	1	1		R102
79	79		1301874-00	5.60 K .25 W 5.0 % CC	2	2		R95,R97
80	80		1300444-00	3.90 K .25 W 5.0 % CC	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		R75
83	83		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	1		R74
84	84		1312931-00	6.20 K .25 W 5.0 % CC	4	4		R51,R81,R86,R109
85	85		1000016-00	100.0 MMF 100V 5%200PPM MICA	3	3		C1,C12,C13
86	86		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	1		R79
87	87		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	1	1		R60
88	88		1312545-00	2.32 K .25 W 1.0 % RN55D-F10	1	1		R46
89	89		1300433-00	3.0 K 1.0 W 5.0 % CC	1	1		R32
90	90		1302398-00	470.0 K .25 W 5.0 % CC	1	1		R6
91	91		1000023-00	330.0 MMF 100V 5%200PPM MICA	1	1		C27
92	92		1302465-00	18.0 K .25 W 5.0 % CC	1	1		R48
93	93		1303047-00	464.0 .25 W 1.0 % RN55D-F10	1	1		R84
94	94		1305422-00	137.0 K .25 W 1.0 % RN55D-F10	2	2		R43,R44
95	95		1301838-00	120.0 1.0 W 5.0 % CC	1	1		R104
96	96		9107370-00	WIRE,STRND,14AWG,IPVC UL1534	A/R	A/R		
97	97		9008150-00	TERM LUG 1POS LOCKING-SOLDER	2	2		
98	98	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
99	99		9007201-00	TRANSIPADS #10253	4	4		
100	100		9008268-00	COMPOUND, THERMAL JOINT	A/R	A/R		
101	101		1510928-00	C32AX135 SCR@100V I=25A	1	1		Q3
102	102		1505867-00	2N 4441 SCR@ 50V & 8A	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		Q5
105	105		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2	2		Q2,Q8
106	106		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	1		Q11
107	107		1510706-01	B 55 PNP 500MW SI 60 50	3	3		Q17,Q20,Q24
108	108		1513490-00	2N 4403 PNP 350MW SI-40 30	3	3		Q1,Q15,Q27
109	109		1509524-00	2N 3904 NPN 310MW SI 40 40 M	8	8		Q10,Q16,Q18,Q19,Q21,Q22,Q23,Q28
110	110		1512652-00	2N 6490 PNP 50W SI 60 40	1	1		Q13
111	111		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	2	2		Q7,Q14
112	112		1914473-02	7815A VOLT REG, FIX +15V	1	1		E3
113	113		1914156-00	LM 393 VOLT. COMPARATOR DUAL	3	3		E1,E2,E4
114	114		1912107-00	324 OP AMP, QUAD	1	1		E6
115	115		1911944-00	555CN TIMER, FUNCT. BLOCK	4	4		E7-E10
116	116		1912858-00	LS221 ONE SHOT-DUAL, SCHMIT	1	1		E5

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

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER	VARIATION	REFERENCE DESIGNATOR
					00	YA		
117	117		1616212-00	80.0 UH 12.SA	1	1		L1
118	118		1616210-00	250.0 UH @ 6.5A DC,600.0 UH @	1	1		L2
119	119		1616211-00	350.0 UH 3A	1	1		L3
120	120		7422046-00	HEAT SINK,SINGLE	3	3		
121	121		7422047-01	HEAT SINK DOUBLE	2	2		
122	122		1213426-03	HEAT SINK TO-3 1" HIGH	1	1		
123	123		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	2	2		
124	124		9009769-00	WASHER, RECTANGULAR .405X.225X.0	3	3		
125	125		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	7	7		
126	126		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	2	2		
127	127		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	3	3		
128	128		9006688-00	WASHER, LOCK, S.S. #4	3	3		
129	129		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	3	3		
130	130		9006041-01	SCREW,PAN,PHIL 8-32X 3/4 SS	2	2		
131	131		9006802-00	SPACER, HEX, ALUM, .164 ID X .3	2	2		
132	132		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	2	2		
133	133		9007801-00	WASHER, LOCK, S.S. #6	3	3		
134	134		9006690-00	WASHER, LOCK, S.S. #8	2	2		
135	135		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	2	2		
136	136		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	2		
137	137		9007906-00	WASHER, LOCK S.S. #10	2	2		
138	138		9009185-00	JUMPER, WIRE, INSULATED, BLACK B.	-	2		W1,W2
139	139	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
140	140		1509700-00	2N 4036 PNP 7WC SI 80100 M	1	1		Q9
141	141	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
142	142		1314187-00	6.19 K .25 W 1.0 % RN55D-F10	1	1		R91
143	143	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
144	144		9107688-55	WIRE(WRAP)24AWG UL1327	A/R	A/R		
145	145		1110766-00	1N 5248B VZ= 18.0 5% .50W	-	2		D18,D36
146	146		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	-	2		R80,R103
147	147		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	-	1		R47
148	148		1312993-00	20.0 1.0 W 5.0 % CC	1	1		R123

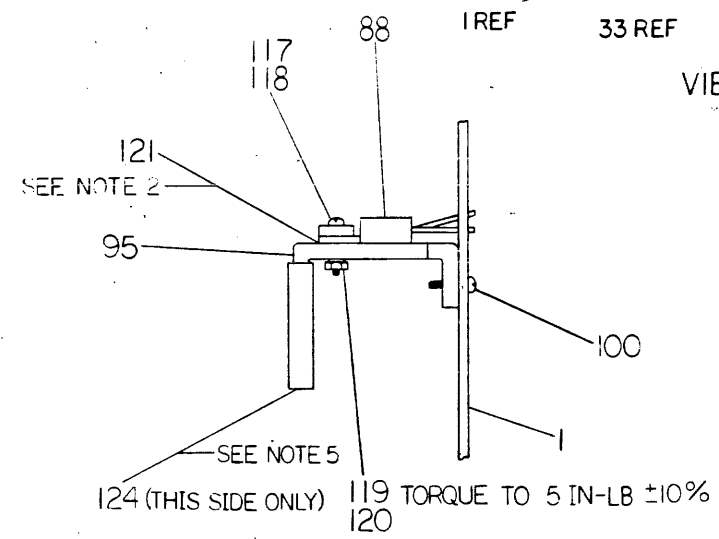
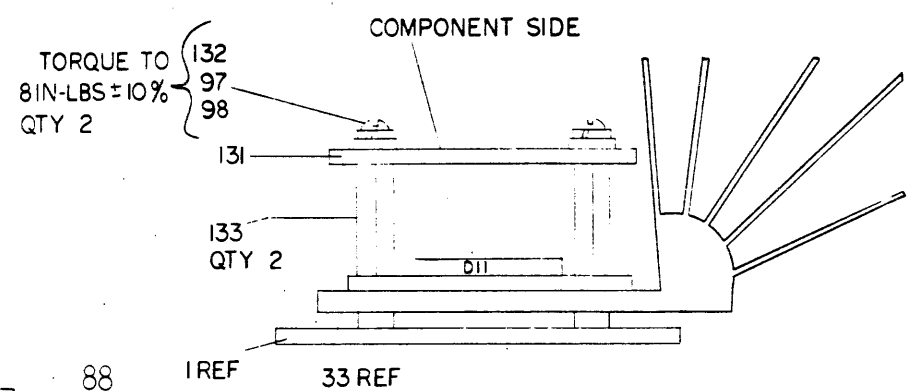
149 NOTE: ITEM #75; .17' IS USED.
 150 NOTE: ITEM #144; .19' IS USED.
 151 NOTE: ITEM #96; .56' IS USED.

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

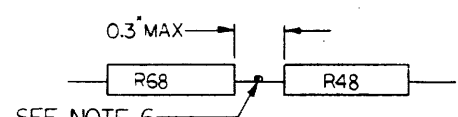
TW

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COMPONENT SIDE VIEW



VIEW C-C
SCALE 2/1



VIEW E-E
SCALE 2/1

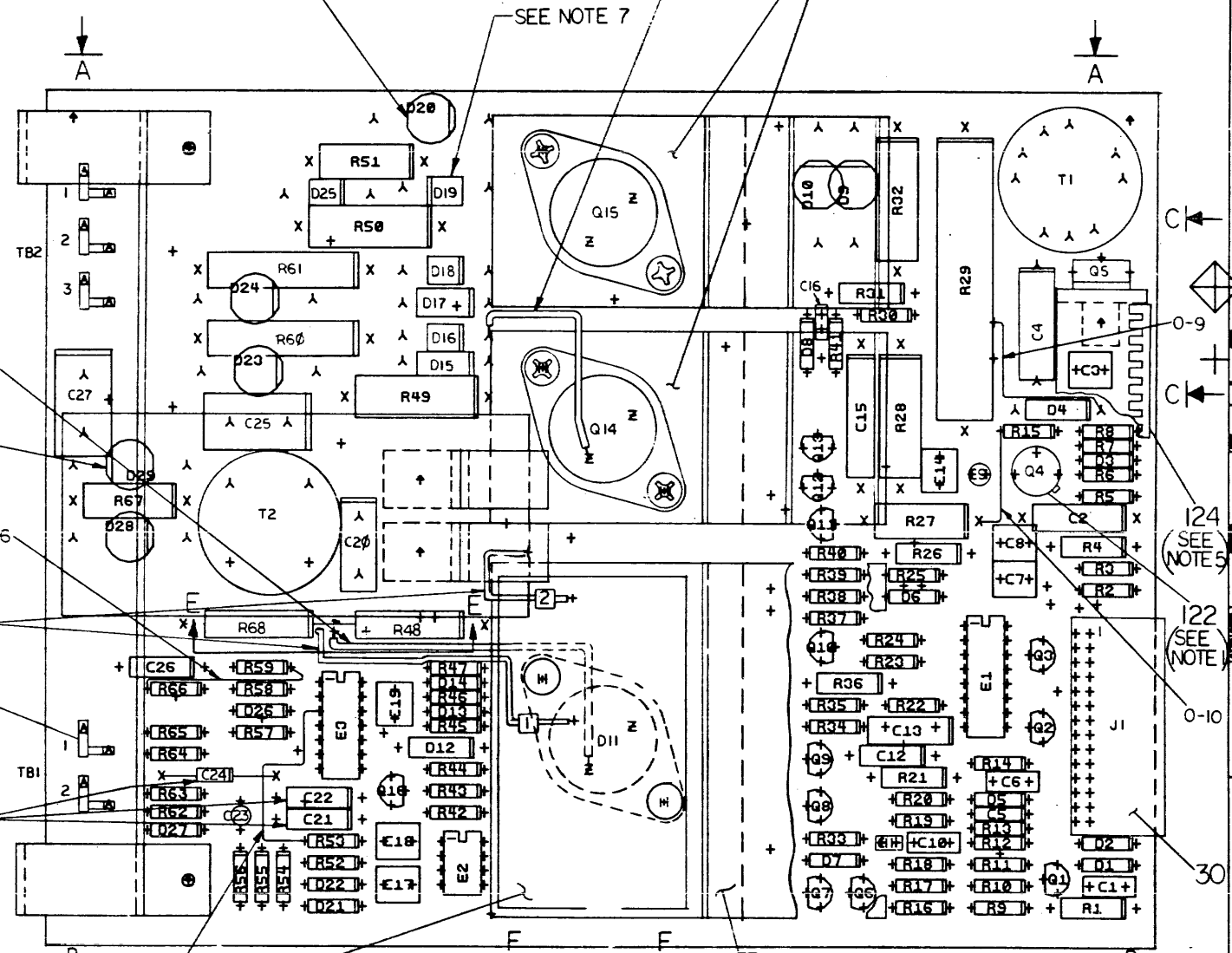
5. APPLY GROMMET (ITEM 124) TO HEAT SINK (ITEM 95) USING PERMABOND (ITEM 126). (USE ONLY ON SIDE INDICATED)
6. R48 & R68 ARE CONNECTED BY TWISTING ONE LEAD OF R68 WITH ONE LEAD OF R48 AND SOLDERING. THE SPECIFIED SPACING BETWEEN THE BODIES OF THE RESISTORS MUST NOT BE EXCEEDED AND ALL EXTRA LEAD MATERIAL MUST BE REMOVED.
7. D19 & D29 HAVE CATHODES IN OPPOSITE DIRECTION TO OTHER DIODES ON BOARD.
8. APPLY INSULATING SLEEVING (ITEM 127) TO EACH LEAD OF C24, C22 & C21.
9. POSITIVE TERMINAL OF CAP. C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 109).

10. NEGATIVE TERMINAL OF CAPACITOR C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 109).
11. USE 22 AWG BUS WIRE (ITEM 129) AND APPLY INSULATING SLEEVING (ITEM 127) TO REWORK INSTRUCTION *0-7 & 0-8.
12. REMOVE ENTIRE ETCH BETWEEN CUT MARKS FOR REWORK INSTRUCTIONS *0-1, 0-2 & 0-4.
13. Q5 MUST BE MOUNTED TO HEATSINK BEFORE BEING ATTACHED TO P.C.B.

NOTES: 1. USE TRANSIPAD (ITEM 122) UNDER Q4.
2. USE THERMAL COMPOUND (ITEM 121) BETWEEN D11, Q5, D14, D15 AND HEAT SINKS.
3. APPLY GROMMET (ITEM 112) TO XFMR MTG. BRKT (ITEM 107) USING PERMABOND (ITEM 126). (APPLY ONLY IN AREA INDICATED)
4. RAISE P23, R48, R61, R32, R49, R62, D9, R68, D70, D23, D24, D28 AND D29 .100" TO .150" OFF P.C. BOARD.

CHANGE NO	REV	DATE	BY	CHKD	APPD	DESCRIPTION
1	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
2	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
3	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
4	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
5	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
6	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
7	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
8	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
9	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
10	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
11	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
12	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
13	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
14	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
15	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
16	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
17	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
18	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
19	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
20	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
21	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
22	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
23	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
24	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
25	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
26	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
27	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
28	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
29	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
30	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
31	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
32	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
33	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
34	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
35	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
36	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
37	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
38	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
39	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
40	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
41	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
42	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
43	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
44	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
45	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
46	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
47	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
48	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
49	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
50	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
51	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
52	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
53	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
54	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
55	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
56	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
57	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
58	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
59	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
60	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
61	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
62	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
63	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
64	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
65	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
66	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
67	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
68	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
69	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
70	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
71	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
72	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
73	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
74	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
75	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
76	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
77	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
78	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
79	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
80	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
81	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
82	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
83	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
84	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
85	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
86	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
87	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
88	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
89	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
90	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
91	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
92	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
93	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
94	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
95	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
96	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
97	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
98	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
99	1	7-27-74	A. KANTARGIS			INITIAL RELEASE
100	1	7-27-74	A. KANTARGIS			INITIAL RELEASE

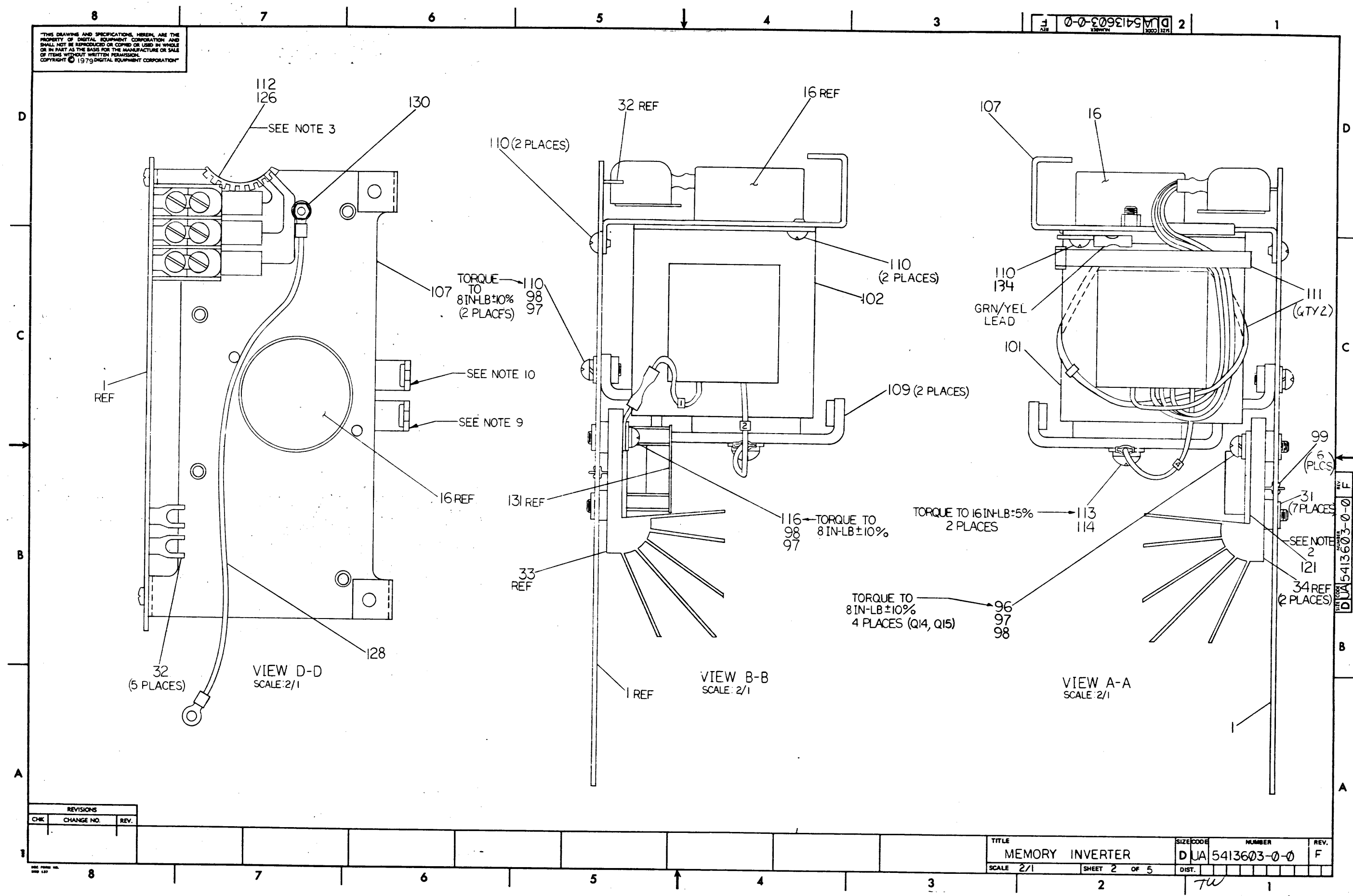
14. TACK SOLDER LEAD #1 TO ETCH UNDER R68 AND USE PTH NEAR HEAT SINK (ITEM 33) FOR LEAD #2.



SIGNATURES		DATE	digital
DRN. [Signature]	CHK. [Signature]	7-27-74	
ENG. [Signature]		7-27-74	TITLE
PROJ. ENG. [Signature]		7-27-74	MEMORY INVERTER
PROD. [Signature]		7-15-74	
SCALE 2/1			SIZE CODE
SHT. 1 OF 5			NUMBER
P.C. DESIGN DATA BASE REV.			5413603-0-0
NEXT HIGH ASSY.			

1 MS#

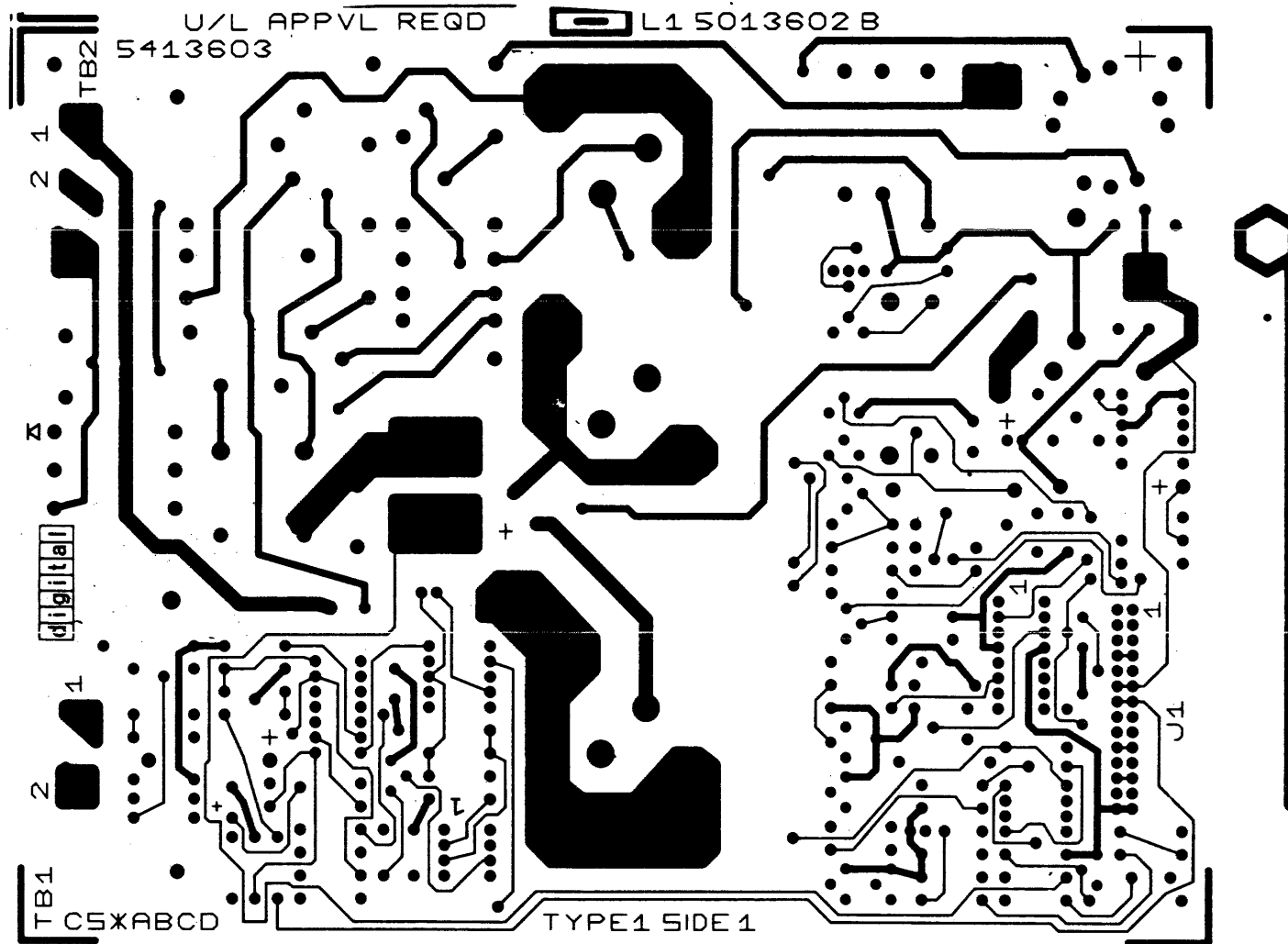
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MEMORY INVERTER		DUA	5413603-0-0	F
SCALE 2/1	SHEET 2 OF 5	DIST.		

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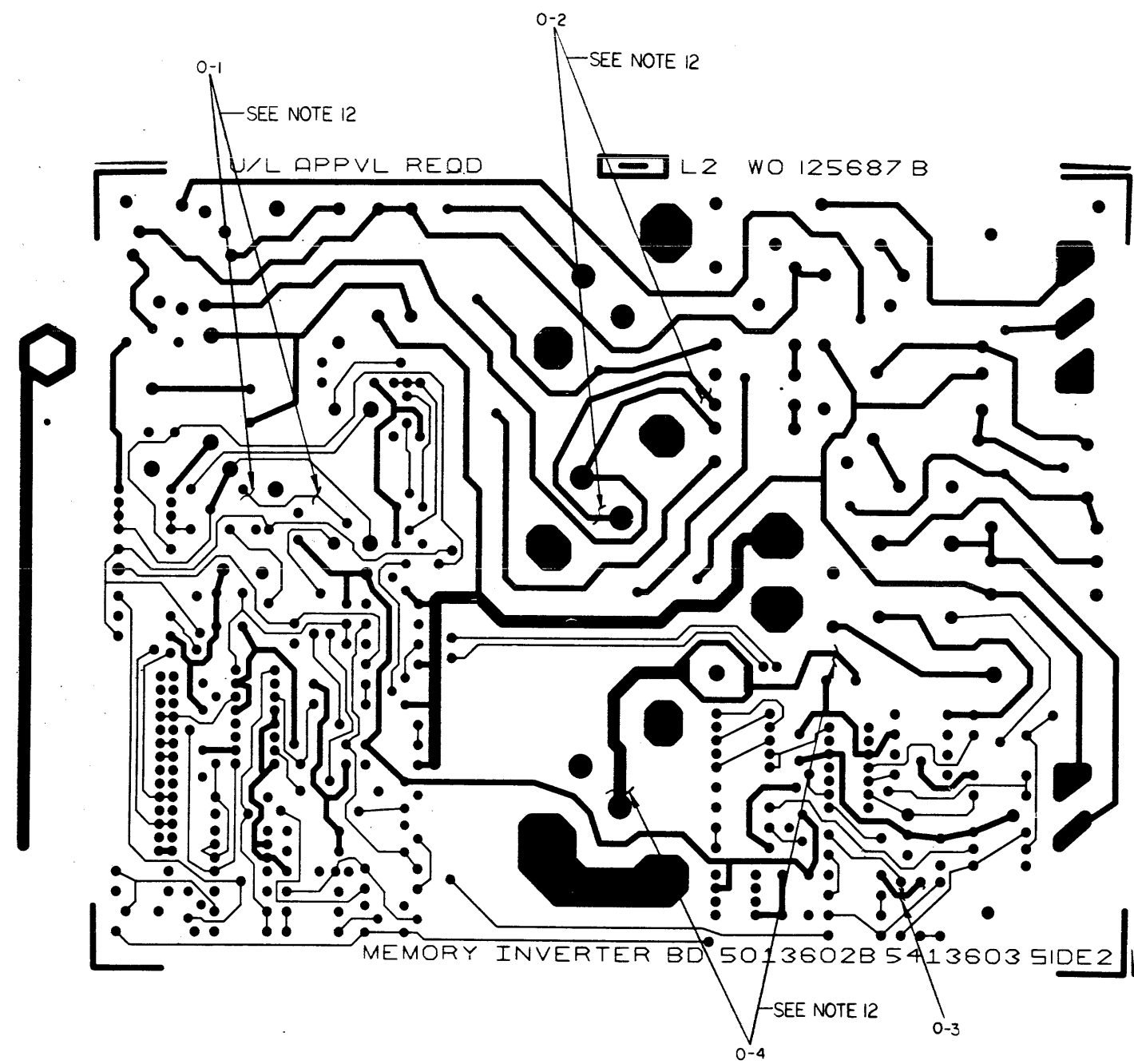


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER		REV.
MEMORY INVERTER		D UA	5413603-0-0		F
SCALE 2/1	SHEET 3 OF 5	DIST.			

tu

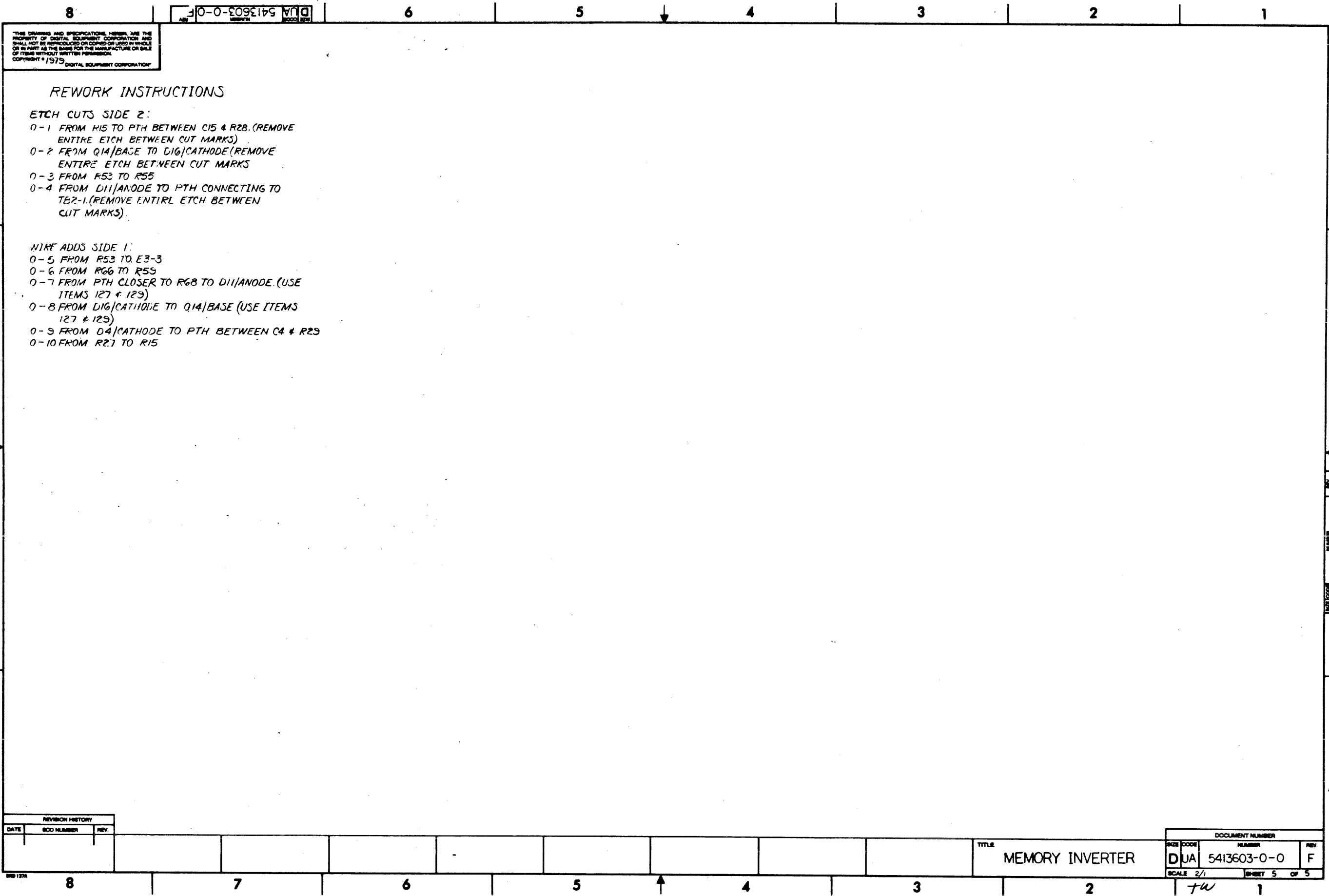
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REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE/CODE	NUMBER	REV
MEMORY INVERTER		D UA	5413603-0-0	F
SCALE	2/1	SHEET	4 OF 5	DIST

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REWORK INSTRUCTIONS

- ETCH CUTS SIDE 2:
- 0-1 FROM R15 TO PTH BETWEEN C15 & R28. (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
 - 0-2 FROM Q14/BASE TO D16/CATHODE (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
 - 0-3 FROM R53 TO R55
 - 0-4 FROM D11/ANODE TO PTH CONNECTING TO T62-1. (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)

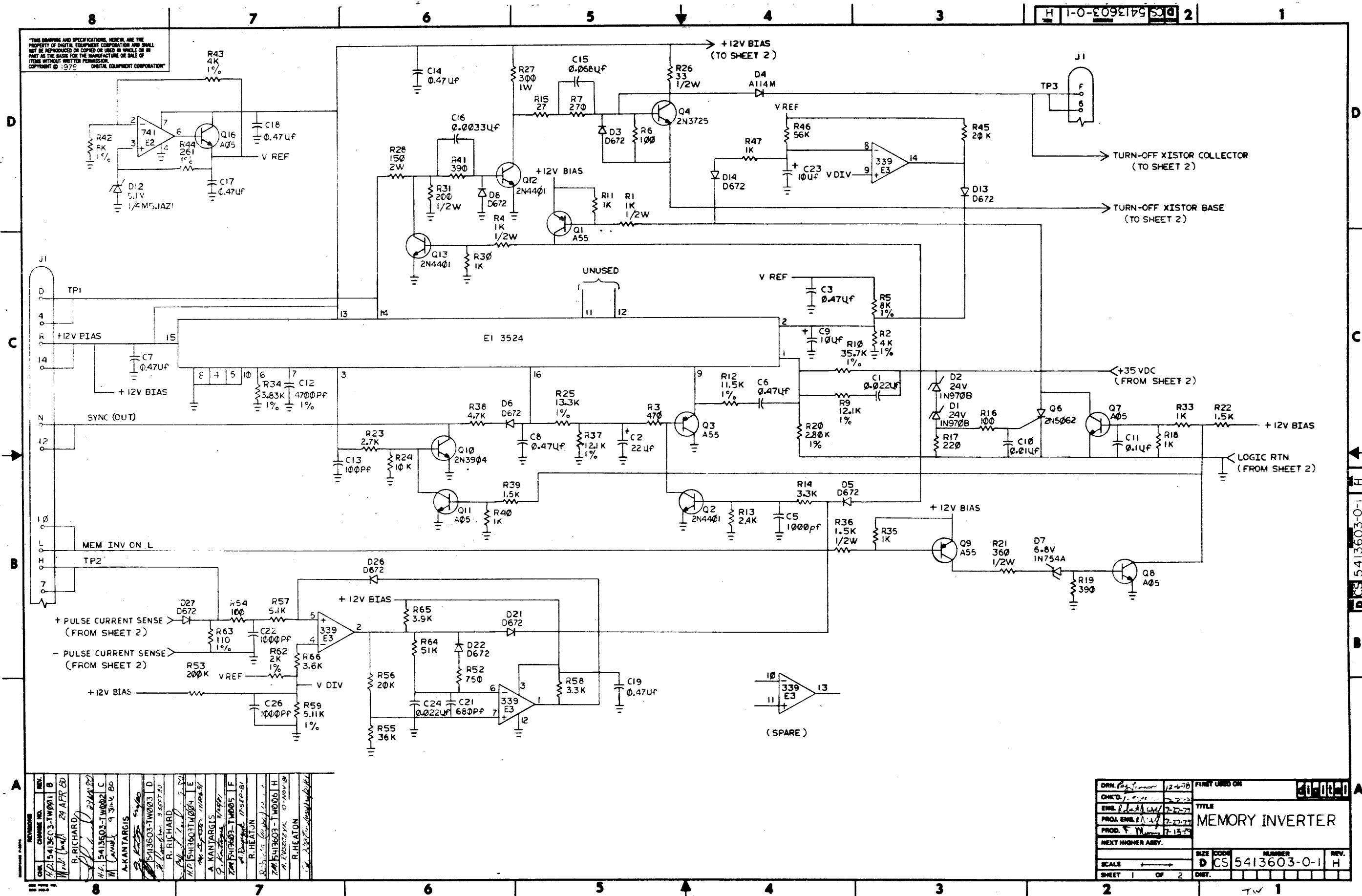
- WIRE ADDS SIDE 1:
- 0-5 FROM R53 TO E3-3
 - 0-6 FROM R66 TO R55
 - 0-7 FROM PTH CLOSER TO R68 TO D11/ANODE. (USE ITEMS 127 & 129)
 - 0-8 FROM D16/CATHODE TO Q14/BASE (USE ITEMS 127 & 129)
 - 0-9 FROM D4/CATHODE TO PTH BETWEEN C4 & R29
 - 0-10 FROM R27 TO R15

REVISION HISTORY		
DATE	ECO NUMBER	REV.

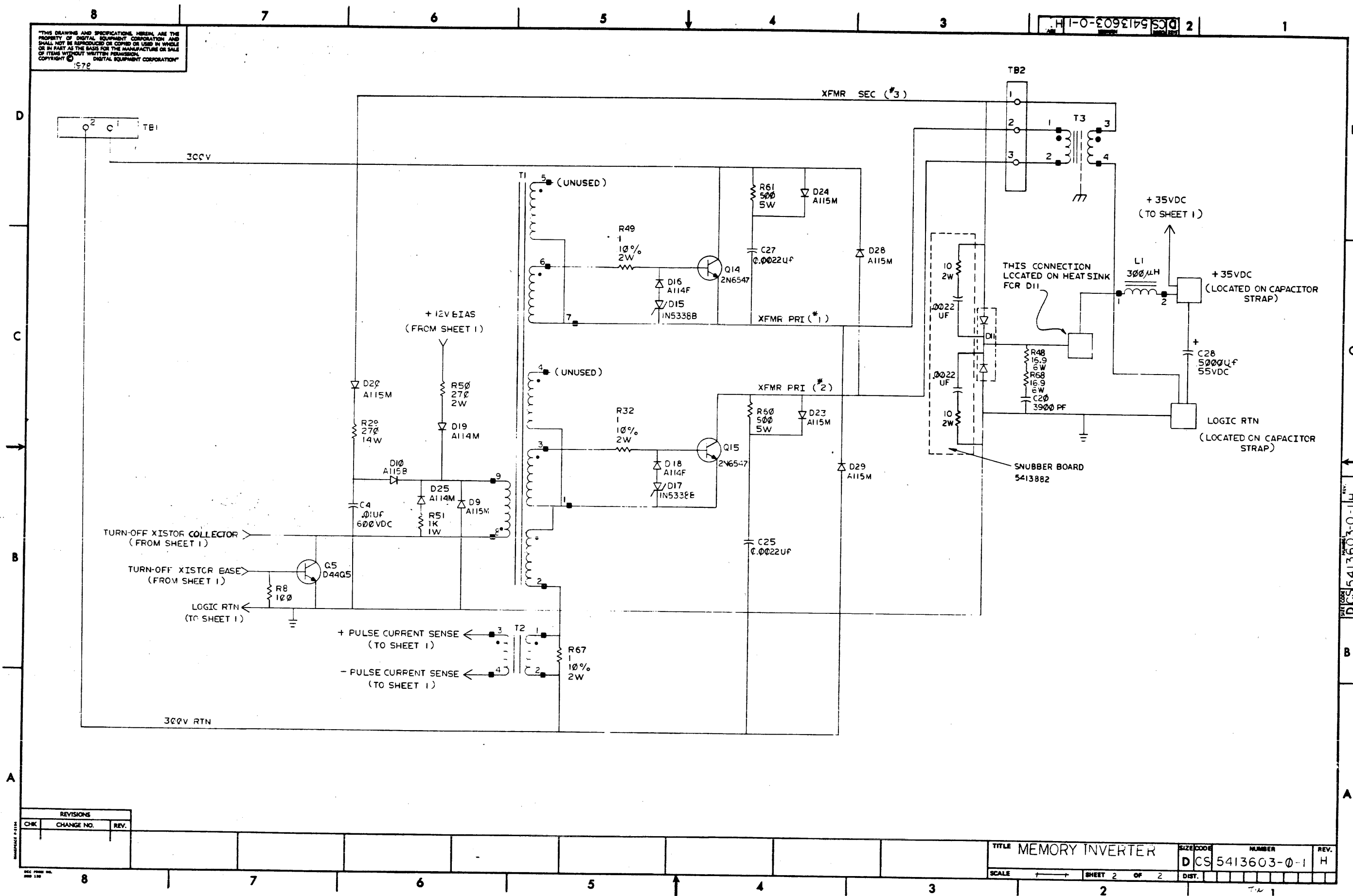
DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV.
DUA	5413603-0-0	F
SCALE 2/1		SHEET 5 OF 5

MEMORY INVERTER

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DRN. 12-470	FIRST DESIGN	20-00-0
CHK'D. 7-27-73		
ENG. 7-27-73		
PROL. ENG. 7-27-73		
PROD. 7-13-73		
NEXT HIGHER ASSY.		
SCALE	SIZE CODE	NUMBER
SHEET 1 OF 2	D CS 5413603-0-1	H



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
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		1012783-00	.022 MFD 50V +80-20% CER	1	C24
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	1	C1
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 200V 10%200PPM MICA	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	D 672 TR= 15NS PIV= 60V SI	10	D26,D27,D21,D22,D8,D5,D3,D14, D13,D6
20	20		1105871-00	1/4M5.1A21 = 5.1 1% .25W N	1	D12
21	21		1109991-00	1N 754A VZ= 6.8 5% .40W	1	D7
22	22		1110556-00	1N 970B VZ= 24.0 5% .40W Y	2	D1,D2
23	23		1112594-01	A115B PIV=200 I= 3A	1	D10
24	24		1112594-02	A115M PIV=600 I= 3A	6	D24,D20,D23,D28,D29,D9
25	25		1112595-00	A114F PIV= 50 I= 1A	2	D16,D18
26	26		1112595-02	A114M PIV=600 I= 1A	3	D25,D4,D19
27	27		1114192-00	TR=200NS COM. CATHODE	1	D11
28	28		1114435-00	1N 5338B VZ= 5.1 5% 5W	2	D15,D17
29	29		1110968-00	2N 5062 SCR@100V I=.8A T092	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:			TITLE PARTS LIST		
---	INIT	A	SECTION VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE:			MEMORY INVERTER		
IRW	5413603-TW001	B	[A] 00			RESP.ENG.: J.HERMANN			DATE: 20-DEC-78			DOCUMENT NUMBER		
IAK	5413603-TW002	C	[B]			MFG.ENG.: J.COMELLA			DATE:			SIZE CODE NUMBER REV		
IAK	5413603-TW002	C	[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
IRW	5413603-TW003	D	[D]			D-UA-5413603-0-0						Z0401.PLS		
IRW	5413603-TW004	E	[E]									EDIT #		
			[F]											
			[H]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											

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TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		1216112-01	HEADER,100 28POS RT ANGLE	1	J1
31	31		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	7	
32	32		1216269-01	TERM SPADE 1POS SOLDER STRIP	5	
33	33		1216314-00	HEAT SINK	1	
34	34		1216314-01	HEAT SINK	2	
35	35		1309679-00	16.90 6.0 W 1.0 % WW	2	R48,R68
36	36		1300195-00	33.0 .50 W 5.0 % CC	1	R26
37	37		1300229-00	100.0 .25 W 5.0 % CC	3	R16,R6,R8
38	38		1300250-00	*** THIS ITEM IS NOT USED ***	-	
39	39		1300257-00	150.0 2.0 W 5.0 % CC	1	R28
40	40		1300271-00	220.0 .25 W 5.0 % CC	1	R17
41	41		1300292-00	300.0 1.0 W 5.0 % CC	1	R27
42	42		1300309-00	390.0 .25 W 5.0 % CC	2	R19,R41
43	43		1300316-00	470.0 .25 W 5.0 % CC	1	R3
44	44		1300364-00	1.0 K .50 W 5.0 % CC	2	R4,R1
45	45		1300365-00	1.0 K .25 W 5.0 % CC	8	R30,R11,R35,R18,R33,R40,R47,R54
46	46		1300394-00	1.50 K .50 W 5.0 % CC	1	R36
47	47		1300439-00	3.30 K .25 W 5.0 % CC	2	R58,R14
48	48		1300444-00	3.90 K .25 W 5.0 % CC	1	R65
49	49		1300447-00	4.70 K .25 W 5.0 % CC	1	R38
50	50		1300479-00	10.0 K .25 W 5.0 % CC	1	R24
51	51		1301401-00	750.0 .25 W 5.0 % CC	1	R52
52	52		1301522-00	27.0 .25 W 5.0 % CC	1	R15
53	53		1303169-00	500.0 5.0 W 5.0 % WW	2	R60,R61
54	54		1301972-00	270.0 .25 W 5.0 % CC	1	R7
55	55		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1	R44
56	56		1302377-00	*** THIS ITEM IS NOT USED ***	-	
57	57		1302383-00	360.0 .50 W 5.0 % CC	1	R21
58	58		1302391-00	20.0 K .25 W 5.0 % CC	2	R56,R45
59	59		1304839-00	51.0 K .25 W 5.0 % CC	1	R64
60	60		1303114-00	*** THIS ITEM IS NOT USED ***	-	
61	61		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	2	R37,R9
62	62		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	R43,R2
63	63		1305129-00	8.0 K .25 W 1.0 % RN55D-F10	2	R42,R5
64	64		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	1	R20
65	65		1305322-00	*** THIS ITEM IS NOT USED ***	-	
66	66		1305380-00	270.0 2.0 W 5.0 % CC	1	R50
67	67		1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R10
68	68		1314350-00	1.0 2.0 W10.0 % FUSE	3	R32,R49,R67
69	69		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1	R34
70	70		1314172-00	270.0 14.0 W 5.0 % WW	1	R29
71	71		1300426-00	2.70 K .25 W 5.0 % CC	1	R23
72	72		1312565-00	13.30 K .25 W 1.0 % RN55D-F10	1	R25
73	73		1312923-00	*** THIS ITEM IS NOT USED ***	-	
74	74		1312930-00	5.10 K .25 W 5.0 % CC	1	R57
75	75		1312932-00	36.0 K .25 W 5.0 % CC	1	R55
76	76		1313151-00	3.60 K .25 W 5.0 % CC	1	R66
77	77		1313581-00	110.0 .25 W 1.0 % RN55D-F10	1	R63

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

TW

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 % CC	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 % CC	2	R39,R22
82	82		1302395-00	56.0 K .25 W 5.0 % CC	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 PNP 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,PAN,PHIL 6-32X 5/8 SS	4	
97	97		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	8	
98	98		9007801-00	WASHER, LOCK, S.S. #6	9	
99	99		9007836-00	EYELET, ROLLED FLANGE, .121 OD X	6	
100	100		9010128-00	SCREW,TAPPING,TYPE PAN,PHIL,	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 % CC	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,PAN,PHIL,TAP'G 6-32X	8	
111	111		9009617-00	TIE,CABLE BUNDL,DIA 0-3"TYPE=101	2	
112	112		9007035-00	GROMMET #122-37-1500	A/R	
113	113		9006071-01	SCREW,PAN,PHIL 10-32X 3/8 SS	2	
114	114		9007906-00	WASHER, LOCK S.S. #10	2	
115	115		9009243-00	*** THIS ITEM IS NOT USED ***	-	
116	116		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	1	
117	117		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
118	118		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	
119	119		9006688-00	WASHER, LOCK, S.S. #4	1	
120	120		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
121	121		9008268-00	COMPOUND, THERMAL JOINT	A/R	
122	122		9007201-00	TRANSIPADS #10253	1	
123	123		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
124	124		9007036-00	GROMMET #122-37-2500	A/R	
125	125		1314516-00	200.0 K .25 W 5.0 % CC	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	E

TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
126	126	9009157-00	ADH, LIQ. RM. TEMP CURING COLORLESS	A/R	
127	127	9107256-11	TUBING, THIN WALL, .027ID	UL	A/R
128	128	7016920-00	JUMPER ASSY		1
129	129	9107560-01	WIRE, BUSS, 22AWG		A/R
130	130	9006565-00	NUT, KEP		1
131	131	5413882-00	SNV SNUBBER		1
132	132	9007853-01	SCREW, PAN, PHIL 6-32X1-1/8	SS	2
133	133	9006803-00	SPACER, HEX, ALUM, .138 ID X .5		2

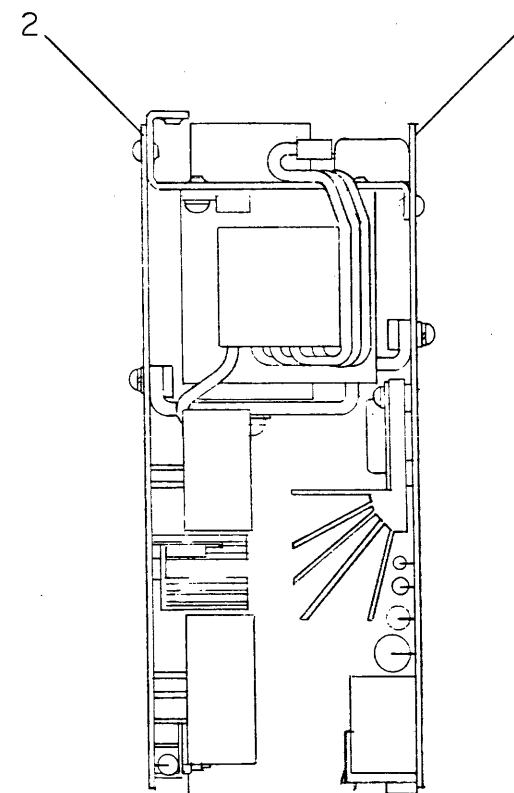
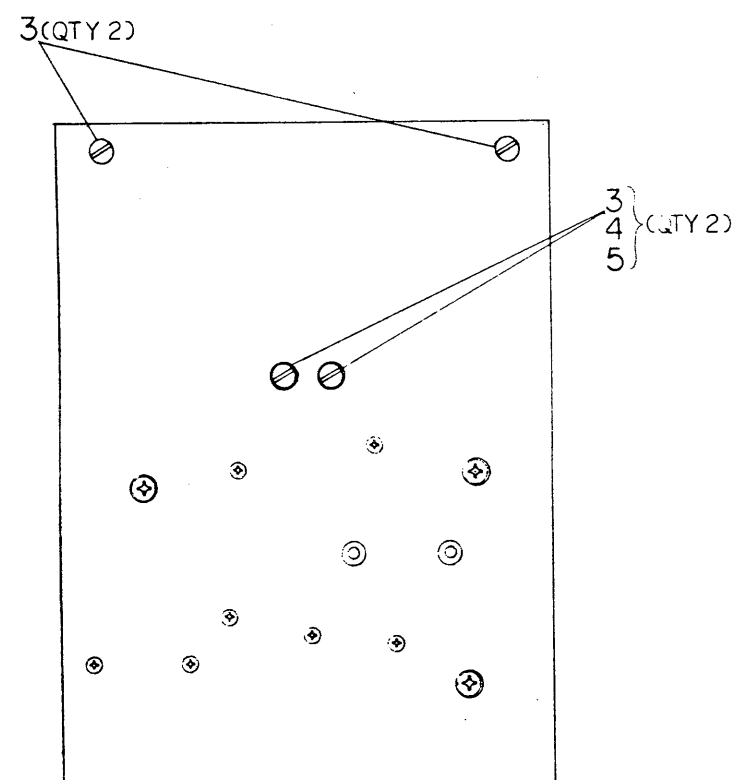
134 NOTE: ITEM #123; .52' IS USED.
135 NOTE: ITEM #124; .08' IS USED.
136 NOTE: ITEM #127; .56' IS USED.
137 NOTE: ITEM #129; .37' IS USED.

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

TW

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REV.	NUMBER	DAD 7016050-0-0	SIZE CODE
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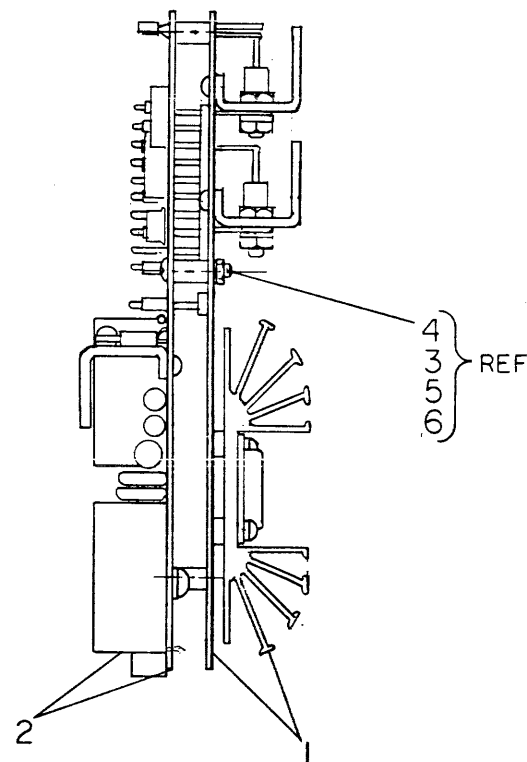
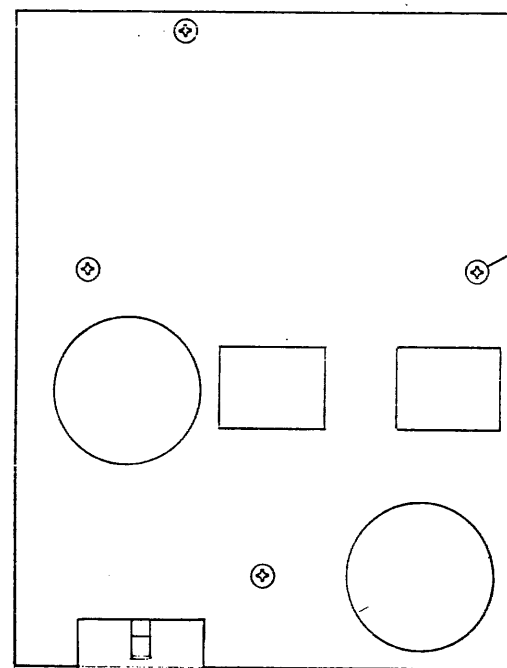
2	WASHER, FLAT *6	9006656-00	5
2	WASHER, LOCK, S.S. *6	9007801-00	4
4	SCREW, PAN HD, SELF TAP *6-32 X .31 LG	9009708-00	3
1	MEMORY REGULATOR BOARD	5413607-00	2
1	MEMORY INVERTER BOARD	5413603-00	1

[illegible]

THIRD ANGLE PROJECTION		DRN. <i>d Mowry</i> 6-6-79		FIRST USED ON		H7140		digit	
		CHK'D <i>Blair</i> 12/1/79		TITLE		H7140			
REMOVE BURRS AND BREAK SHARP CORNERS		ENG. <i>Blair</i> 12/1/79		MEMORY VOLTAGE ASSY					
DO NOT SCALE DWG		PROJ. ENG. <i>Blair</i> 12/1/79							
		PROD. <i>Blair</i> 12/1/79							
MATERIAL SEE PARTS LIST		NEXT HIGHER ASSY.		SIZE		CODE		NUMBER	
FINISH <i>11</i>		<i>B-00-H7140-0-0</i> SCALE NONE		D		AD		7016050-0-0	
		SHEET		OF		DIST.		REV	
								*	

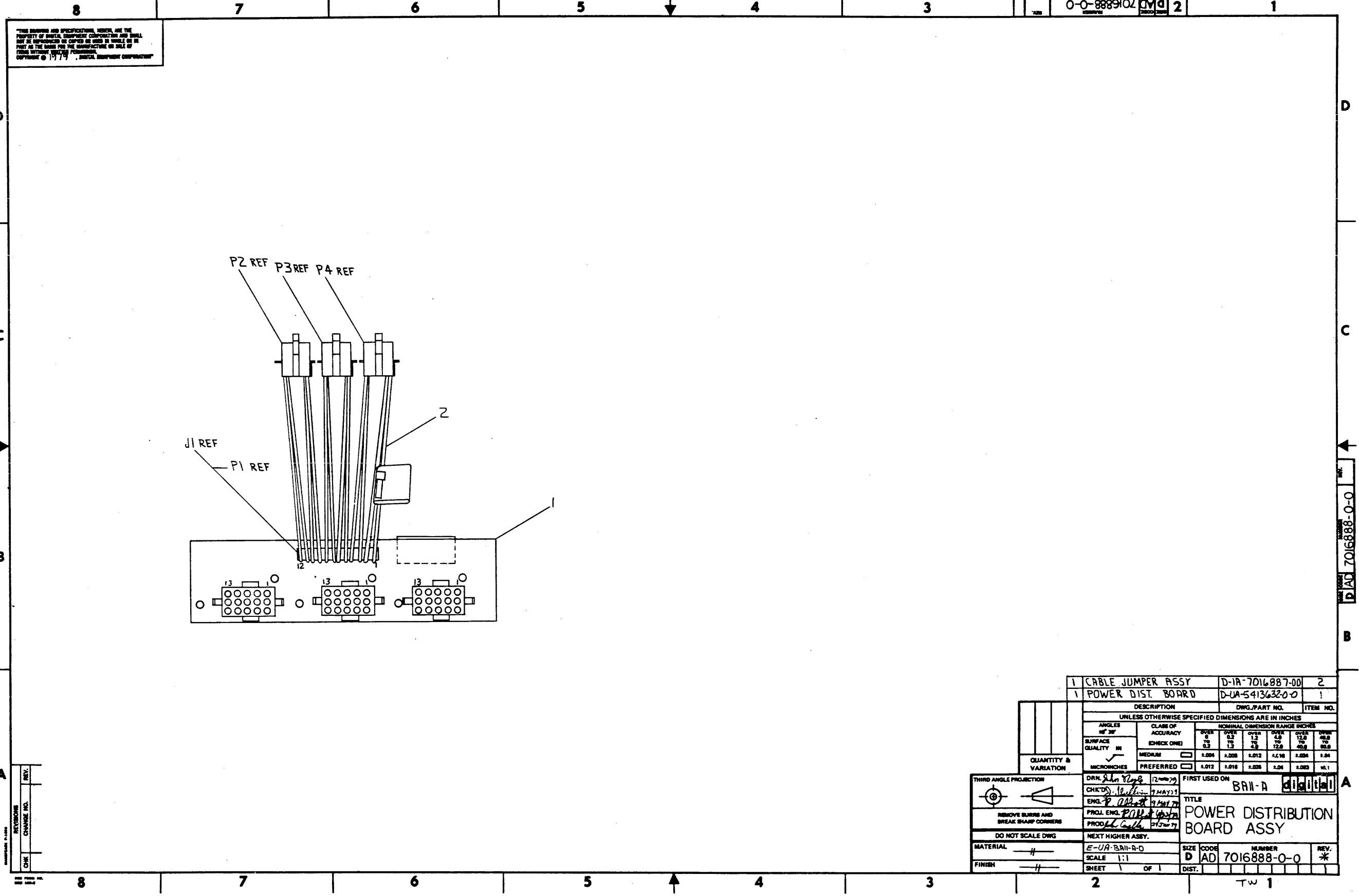
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* 0-0-250910Z09 2



4	NUT, HEX #6-32X.25 A.F.	9008957-00	6
4	WASHER, LOCK, SS. #6	9007801-00	5
4	SCR, PHIL PAN HD #6-32X.69LG	9007794-01	4
4	SPACER, HEX, ALUM #6-32X.38LG	9006844-00	3
1	LOGIC INVERTER CONT BD	5413601-00	2
1	LOGIC INVERTER BD	5413599-00	1

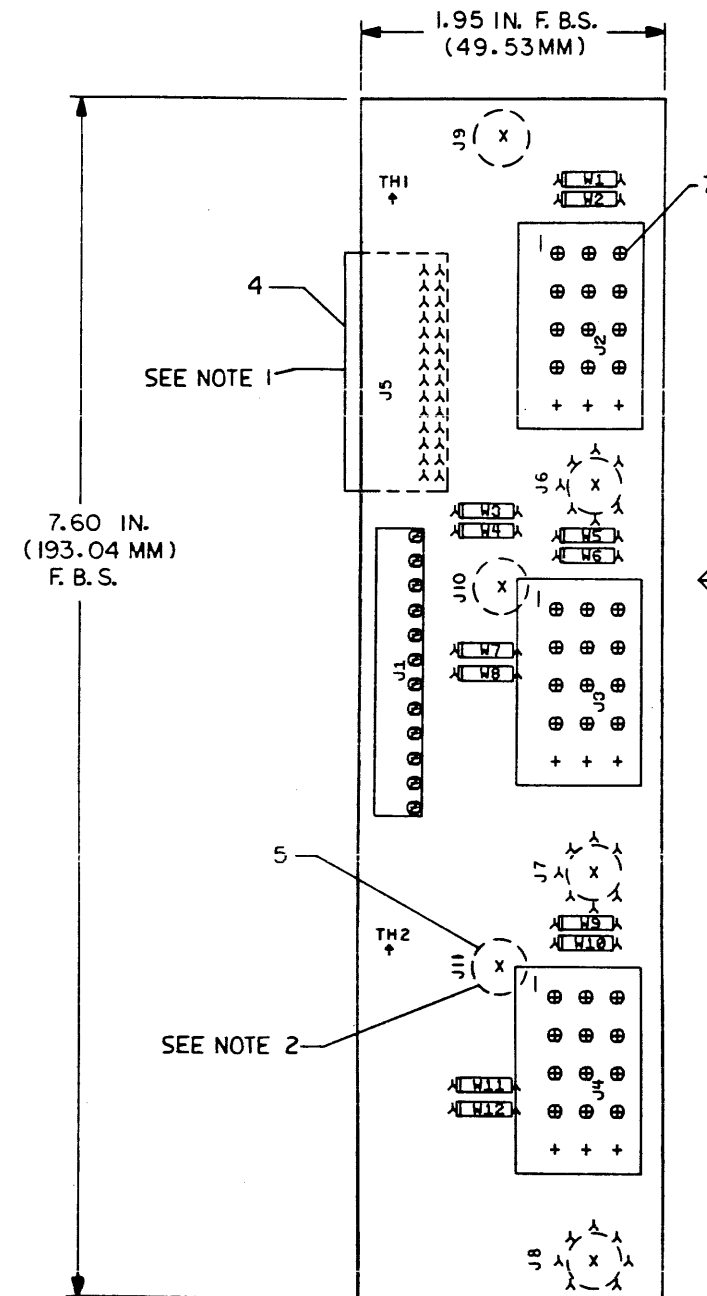
THIRD ANGLE PROJECTION	DRN. <i>2 May 79</i> 6-5-79	FIRST USED ON	<i>H7140</i>
	CHK'D <i>ALP</i> 2-4-79	ENG'D <i>ALP</i> 2-4-79	TITLE
REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG. <i>ALP</i> 11-1-79	H7140 +5V INVERTER ASSY	
DO NOT SCALE DWG	PROD. <i>ALP</i> 4-1-79	NEXT HIGHER ASSY.	
MATERIAL SEE PARTS LIST	B-DO-H7140-1	SIZE	CODE
FINISH <i>11</i>	SCALE NONE	D	AD 7016057-0-0
	SHEET 1 OF 1	DIST.	



1 CABLE JUMPER ASSY		D-1A-7016887-00		2	
1 POWER DIST. BOARD		D-UA-5413632-0		1	
DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 45° 30°		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY		MICROMETERS		PREFERRED	
QUALITY IN		MICROMETERS		PREFERRED	
QUANTITY & VARIATION		MICROMETERS		PREFERRED	
THIRD ANGLE PROJECTION		MICROMETERS		PREFERRED	
REMOVE BLURS AND BREAK SHARP CORNERS		MICROMETERS		PREFERRED	
DO NOT SCALE DWG		MICROMETERS		PREFERRED	
MATERIAL		MICROMETERS		PREFERRED	
FINISH		MICROMETERS		PREFERRED	
DRN. <i>[Signature]</i>		CHK'D. <i>[Signature]</i>		ENG. <i>[Signature]</i>	
PROJ. ENG. <i>[Signature]</i>		PROOF. <i>[Signature]</i>		FIRST USED ON	
NEXT HIGHER ASSY.		E-UA-BRI-A-D		SCALE 1:1	
SHEET 1 OF 1		DIST.		REV. *	
TITLE		POWER DISTRIBUTION BOARD ASSY		BRI-A	
SIZE CODE		D AD 7016888-0-0		TW 1	

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COMPONENT SIDE VIEW



SEE NOTE 1

SEE NOTE 2

NOTES:

1. ITEM 4 (J5) MOUNT ON SIDE 2.
2. ITEM 5 MOUNT ON SIDE 2.

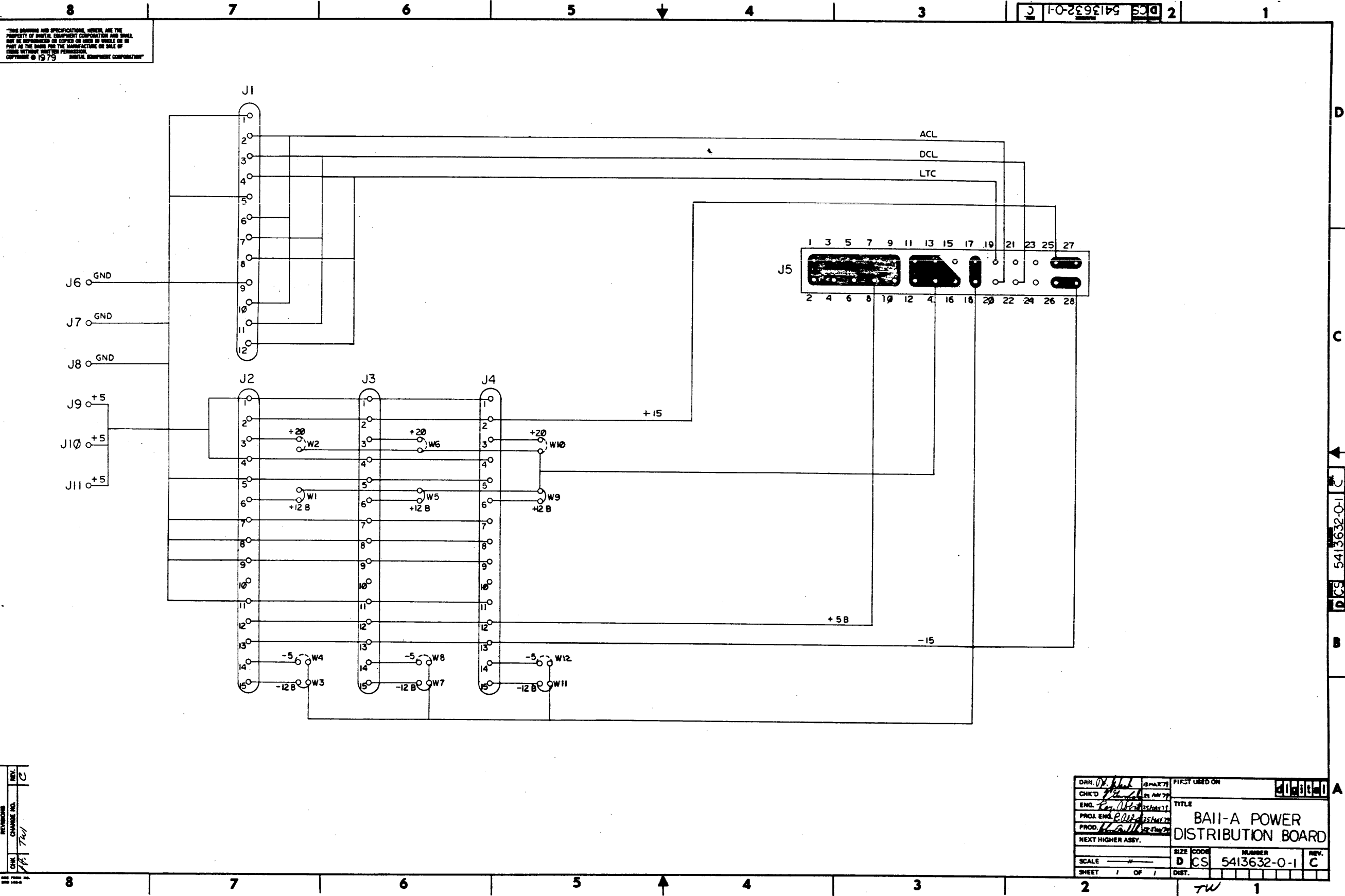
STEP 6 + Y AXIS 0.000 STEP 0 TIMES
REPEAT + X AXIS 2.075 STEP 4 TIMES

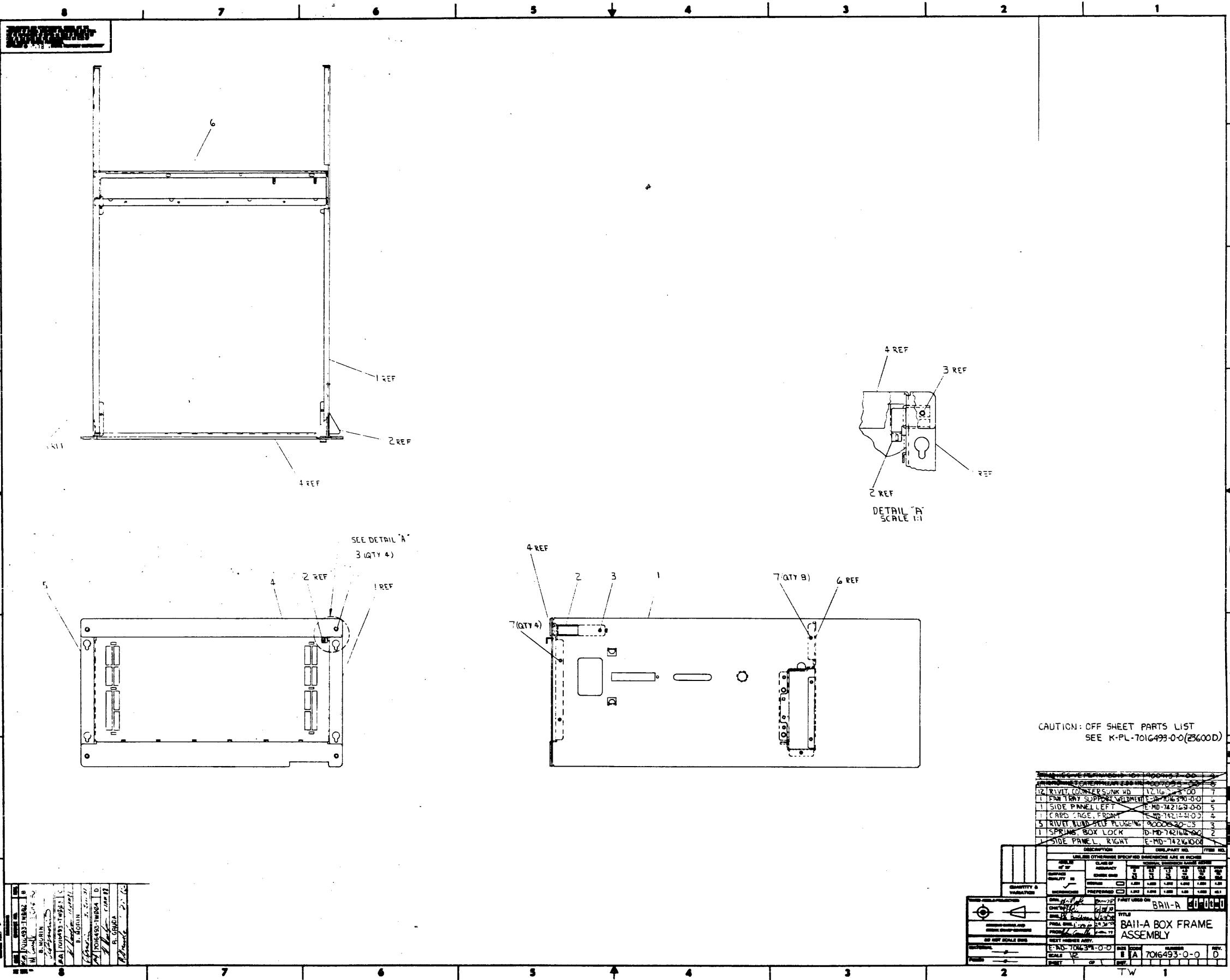
CHANGE NO. REV. C

SIGNATURES
DRN. P. Aided Teller 10-8-79
CHK'D. E.T. GERRY 12-13-79
RECH. ENG. John J. 12-13-79
PROJ. ENG. John J. 12-13-79
PROD. C. 12-13-79
SCALE 2/1
SHT. 1 OF 1
NEXT HIGHER REVISION B-DD-5413632-0

digital
TITLE BAIL A POWER DISTRIBUTION
SIZE CODE NUMBER REV
D UA 5413632-00 C

1 MS#170017DP-1





CAUTION: OFF SHEET PARTS LIST
SEE K-PL-7016493-0-0(23600D)

1	7016493-0-0	1	7016493-0-0
2	7016493-0-0	2	7016493-0-0
3	7016493-0-0	3	7016493-0-0
4	7016493-0-0	4	7016493-0-0
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6	7016493-0-0	6	7016493-0-0
7	7016493-0-0	7	7016493-0-0
8	7016493-0-0	8	7016493-0-0

1	7016493-0-0	1	7016493-0-0
2	7016493-0-0	2	7016493-0-0
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5	7016493-0-0	5	7016493-0-0
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8	7016493-0-0	8	7016493-0-0

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5	7016493-0-0	5	7016493-0-0
6	7016493-0-0	6	7016493-0-0
7	7016493-0-0	7	7016493-0-0
8	7016493-0-0	8	7016493-0-0

1	7016493-0-0	1	7016493-0-0
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7	7016493-0-0	7	7016493-0-0
8	7016493-0-0	8	7016493-0-0

1	7016493-0-0	1	7016493-0-0
2	7016493-0-0	2	7016493-0-0
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5	7016493-0-0	5	7016493-0-0
6	7016493-0-0	6	7016493-0-0
7	7016493-0-0	7	7016493-0-0
8	7016493-0-0	8	7016493-0-0

DMD	7017466-0-0	A
-----	-------------	---

LEGEND	
NUMBER	VARIATION
7017466-00	WITH REMOTE DIAGNOSTIC
7017466-01	WITH ONE SERIAL LINE
7017466-02	WITH TWO SERIAL LINES

1. IN THOSE POSITIONS (J1 OR J3) WHICH HAVE NO FILTER,
(ITEM 4 OR 5) INSTALL COVER PLATE (ITEM 6) TO BRKT, MTG
(ITEM 3) SEE DETAIL "A".

2 IDENT. LABEL REQ'D AFTER ASSY DENOTING P/N, VAR. AND REV.(ITEM 12)



CAUTION OFF SHEET PARTS LIST EXISTS ON
K-PL-7017466-0-DBP

		DESCRIPTION		DRAWING NO.		PART NO.		ITEM NO.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)							
		DIMENSIONS INCHES TOLERANCES X = ± .1 XX = ± .02 XXX = ± .005	ANGLES ± 30'	SURFACE QUALITY 	APPLICABLE DIMENSION RANGE (CHECK ONE) ☐ 0 - 1 ☐ 1 - 2 ☐ 2 - 3 ☐ 3 - 4 ☐ 4 - 5 ☐ 5 - 6 ☐ 6 - 8 ☐ 8 - 10 ☐ 10 - 12 ☐ 12 - 16 ☐ 16 - 20 ☐ 20 - 25 ☐ 25 - 30 ☐ 30 - 36 ☐ 36 - 48 ☐ 48 - 60 ☐ 60 - 72 ☐ 72 - 96 ☐ 96 - 120 ☐ 120 - 144 ☐ 144 - 180 ☐ 180 - 240 ☐ 240 - 300 ☐ 300 - 360 ☐ 360 - 480 ☐ 480 - 600 ☐ 600 - 720 ☐ 720 - 960 ☐ 960 - 1200 ☐ 1200 - 1440 ☐ 1440 - 1800 ☐ 1800 - 2400 ☐ 2400 - 3000 ☐ 3000 - 3600 ☐ 3600 - 4800 ☐ 4800 - 6000 ☐ 6000 - 7200 ☐ 7200 - 9600 ☐ 9600 - 12000 ☐ 12000 - 14400 ☐ 14400 - 18000 ☐ 18000 - 24000 ☐ 24000 - 30000 ☐ 30000 - 36000 ☐ 36000 - 48000 ☐ 48000 - 60000 ☐ 60000 - 72000 ☐ 72000 - 96000 ☐ 96000 - 120000 ☐ 120000 - 144000 ☐ 144000 - 180000 ☐ 180000 - 240000 ☐ 240000 - 300000 ☐ 300000 - 360000 ☐ 360000 - 480000 ☐ 480000 - 600000 ☐ 600000 - 720000 ☐ 720000 - 960000 ☐ 960000 - 1200000 ☐ 1200000 - 1440000 ☐ 1440000 - 1800000 ☐ 1800000 - 2400000 ☐ 2400000 - 3000000 ☐ 3000000 - 3600000 ☐ 3600000 - 4800000 ☐ 4800000 - 6000000 ☐ 6000000 - 7200000 ☐ 7200000 - 9600000 ☐ 9600000 - 12000000 ☐ 12000000 - 14400000 ☐ 14400000 - 18000000 ☐ 18000000 - 24000000 ☐ 24000000 - 30000000 ☐ 30000000 - 36000000 ☐ 36000000 - 48000000 ☐ 48000000 - 60000000 ☐ 60000000 - 72000000 ☐ 72000000 - 96000000 ☐ 96000000 - 120000000 ☐ 120000000 - 144000000 ☐ 144000000 - 180000000 ☐ 180000000 - 240000000 ☐ 240000000 - 300000000 ☐ 300000000 - 360000000 ☐ 360000000 - 480000000 ☐ 480000000 - 600000000 ☐ 600000000 - 720000000 ☐ 720000000 - 960000000 ☐ 960000000 - 1200000000 ☐ 1200000000 - 1440000000 ☐ 1440000000 - 1800000000 ☐ 1800000000 - 2400000000 ☐ 2400000000 - 3000000000 ☐ 3000000000 - 3600000000 ☐ 3600000000 - 4800000000 ☐ 4800000000 - 6000000000 ☐ 6000000000 - 7200000000 ☐ 7200000000 - 9600000000 ☐ 9600000000 - 12000000000 ☐ 12000000000 - 14400000000 ☐ 14400000000 - 18000000000 ☐ 18000000000 - 24000000000 ☐ 24000000000 - 30000000000 ☐ 30000000000 - 36000000000 ☐ 36000000000 - 48000000000 ☐ 48000000000 - 60000000000 ☐ 60000000000 - 72000000000 ☐ 72000000000 - 96000000000 ☐ 96000000000 - 120000000000 ☐ 120000000000 - 144000000000 ☐ 144000000000 - 180000000000 ☐ 180000000000 - 240000000000 ☐ 240000000000 - 300000000000 ☐ 300000000000 - 360000000000 ☐ 360000000000 - 480000000000 ☐ 480000000000 - 600000000000 ☐ 600000000000 - 720000000000 ☐ 720000000000 - 960000000000 ☐ 960000000000 - 1200000000000 ☐ 1200000000000 - 1440000000000 ☐ 1440000000000 - 1800000000000 ☐ 1800000000000 - 2400000000000 ☐ 2400000000000 - 3000000000000 ☐ 3000000000000 - 3600000000000 ☐ 3600000000000 - 4800000000000 ☐ 4800000000000 - 6000000000000 ☐ 6000000000000 - 7200000000000 ☐ 7200000000000 - 9600000000000 ☐ 9600000000000 - 12000000000000 ☐ 12000000000000 - 14400000000000 ☐ 14400000000000 - 18000000000000 ☐ 18000000000000 - 24000000000000 ☐ 24000000000000 - 30000000000000 ☐ 30000000000000 - 36000000000000 ☐ 36000000000000 - 48000000000000 ☐ 48000000000000 - 60000000000000 ☐ 60000000000000 - 72000000000000 ☐ 72000000000000 - 96000000000000 ☐ 96000000000000 - 120000000000000 ☐ 120000000000000 - 144000000000000 ☐ 144000000000000 - 180000000000000 ☐ 180000000000000 - 240000000000000 				

000000	3013400	REV. A
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B**I A**

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION		
					00	01	02
1	1	E-UA-5414218-0-0	5414218-00	SLV INTERFACE	1	0	0
2	2	E-UA-5414218-0-0	5414218-01	EIA SERIAL LINE INTERFACE	0	1	1
3	3	D-MD-7424022-0-0	7424022-00	BRKT, MTG SLU	1	1	1
4	4	D-PS-1217431-0-0	1217431-02	CONN,D SUB 25PIN ASSY STRAIGHT W	2	1	2
5	5	D-PS-1217431-0-0	1217431-00	CONN,D SUB 25PIN ASSY STRAIGHT W	1	0	0
6	6	B-IA-7424023-0-0	7424023-00	CONNECTOR, COVER SLU	0	2	4
7	7		9006862-00	SPACER, HEX, THD'D, ALUM 6-32X1	4	4	4
8	8		9009546-00	SCREW, PAN, PHIL, SEMS 4-40X .375L	0	4	2
9	9		9006707-00	WASHER, NYLON, FLAT #6 .312 OD	8	8	8
10	10		9010174-00	SCREW, PAN, PHIL, SEMS 6-32X .25 L	8	8	8
11	11		9008451-01	SCREW LOCK, STANDOFF ONLY	6	2	1
12	12		9009255-00	LABEL, POWER SUPPLY, 2-15/16 " L	1	1	1
13	13		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	6	2	4

REVISION HISTORY		BASIC PART NO: 7017466		DRN: A. COLON	DATE: 29-APR-80	D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A			TITLE PARTS LIST	
---	INITIAL	X0-2	SECTION. VARIATION INDEX	CHK'D: R.J. RILEY	DATE: 29-APR-80	SLU ASSEMBLY	
---	INITIAL	*	[A] 00,01,02				
R G	7017466-TW001	A	[B]	DES.ENG.: P. BARTH	DATE: 29-APR-80		
			[C]	RESP.ENG.: D. CARLSON	DATE: 29-APR-80	DOCUMENT NUMBER	
			[D]			SIZE	CODE NUMBER REV
			[E]	MFG.ENG.: G. ABREU	DATE: 29-APR-80	K	PL 7017466-0-D8P A
			[F]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #
				D-AD-7017466-0-0	D-AD-7017466-0-0	Z1175A.PLS	8
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DCS 5414218-0-1

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5

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3

2

1

SEE NOTES 1 & 2

NOTES:

1. RELAYS K1, K2
DIODES D1, D2
CONNECTOR J1
USED IN -00 VARIATION ONLY
2. JUMPERS W1-W8
USED IN -01 VARIATION ONLY
3. CONNECTORS J2, J3, J4 & J5
USED IN ALL VARIATIONS

SEE NOTE 1

SEE NOTES 1 & 2

DESIGNED BY T. McCULLOUGH	DATE 2-5-80	TITLE digital
CHECKED BY J.F. Sullivan	DATE 4/13/80	SLU INTERFACE
DESIGNED BY W.H. Lynde	DATE 4-22-80	
REVIEWED BY R.J. Boudreau	DATE 5/7/80	
APPROVED BY A. Min	DATE 5/7/80	
DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV.
D	CS 5414218-0-1	D
SCALE		SHEET 1 OF 1

TW 1

REVISION HISTORY
ECO NUMBER
DATE

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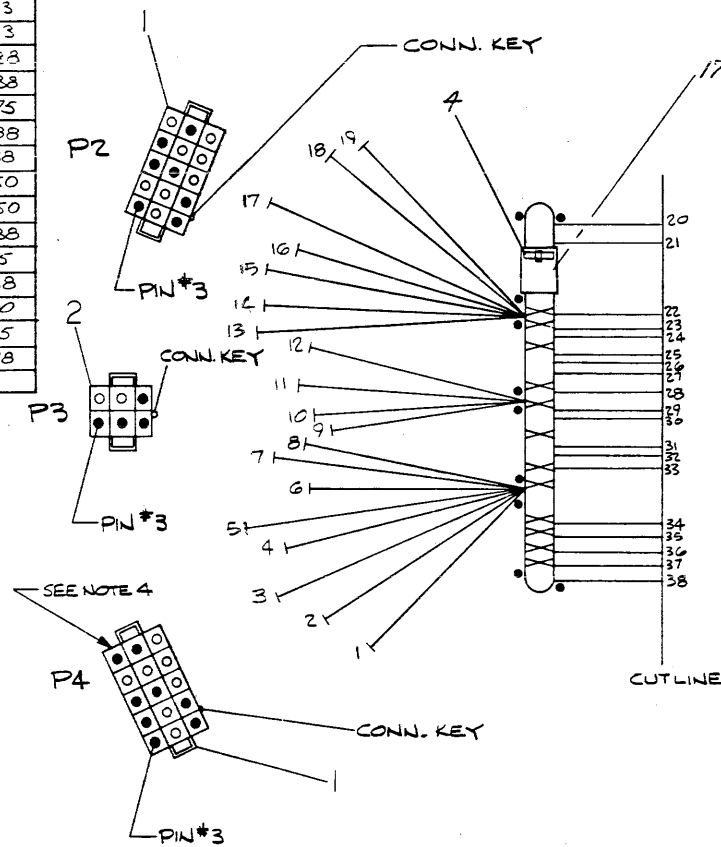
2

1

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WIRING TABLE

ITEM NR.	DESCRIPTION		FROM			TO		SIGNAL	LENGTH	
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION			
D	9	#18	BLUE	1	P4-14	3	20	SOLDER	-15A	7.00
	5	14	RED	2	P4-4		32		+5V	4.88
	5	14	RED	3	P4-1		31		+5V	4.88
	6	14	BLK	4	P4-8		25		GND	5.63
	6	14	BLK	6	P4-9		26		GND	5.63
	13	18	WHT	7	P4-6		27		+15B	5.63
	14	18	GRN	8	P4-15		28		-15B	5.28
	12	18	YEL	9	P3-4		37		AC	6.38
	6	14	BLK	10	P3-1		22		GND	5.75
	10	18	BRN	11	P3-2		36		LTC	5.88
	11	18	VIO	12	P3-3		38		DC	6.38
	5	14	RED	13	P2-4		29		+5V	5.50
	5	14	RED	14	P2-1		30		+5V	5.50
	9	18	BLUE	15	P2-14		35		-15C	5.38
	6	14	BLK	16	P2-8		23		GND	4.75
	8	18	GRAY	17	P2-3		21		+15A	5.38
C	7	14	GRAY	5	P4-3		34		+15C	5.00
	6	14	BLK	18	P2-9		24		GND	4.75
	16	18	RED/WHT	19	P2-12	3	33	SOLDER	+5B	6.88



NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN
2. DOT (•) INDICATES NAIL LOCATION FOR ASS'Y USE ONLY. COVER NAILS WITH SHRINK TUBING TO PREVENT CUTTING HARNESS.
3. WIRE LENGTH TOL. WILL BE $\pm 1/8$ - 0 IN.
4. ALL CONN. SHOWN FROM WIRING SIDE.
5. HARNESS TO BE IDENTIFIED WITH PART NO. AND REV. LEVEL AFTER FAB. (ITEM 17)
6. ITEM #3 CAN BE SUBSTITUTED BY P/N 12-09378-00 FOR MACHINE CRIMPING.

TABLE CABLE ID	90-04532-6	17
WIRE #18 AWG, RED/VH	9107910-29	16
POWER HARNESS DECALS	7409872-02	15
WIRE #18 AWG, GRN	9107360-55	14
WIRE #18 AWG, WHT	9107360-99	13
WIRE #18 AWG, YEL	9107360-44	12
WIRE #18 AWG, VIO	9107360-77	11
WIRE #18 AWG, BRN	9107360-11	10
WIRE #18 AWG, BLUE	9107360-66	9
WIRE #18 AWG, GRAY	9107360-88	8
WIRE #14 AWG, GRAY	9107370-88	7
WIRE #14 AWG, BLK	9107370-00	6
WIRE #14 AWG, RED	9107370-22	5
TIE WRAP	9007031	4
PIN, MALE	1209378-01	3
CONN. 6 PIN HOUSING	1209351-06	2
CONN. 15 PIN HOUSING	1209351-15	1

FOR WIRE LENGTHS
SEE WIRING TABLE

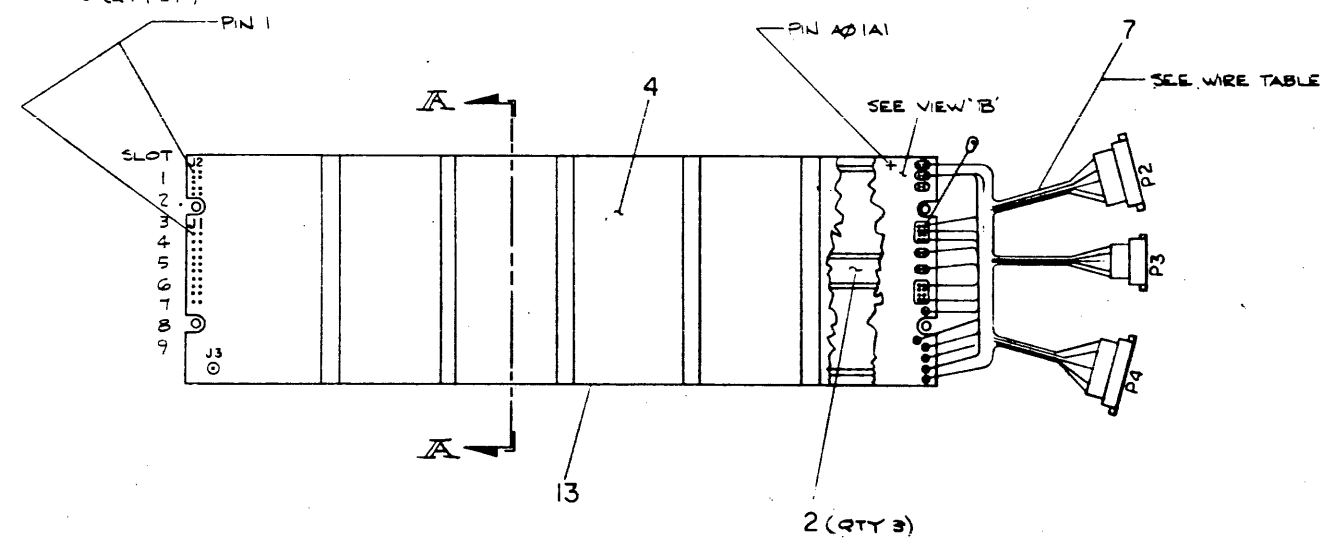
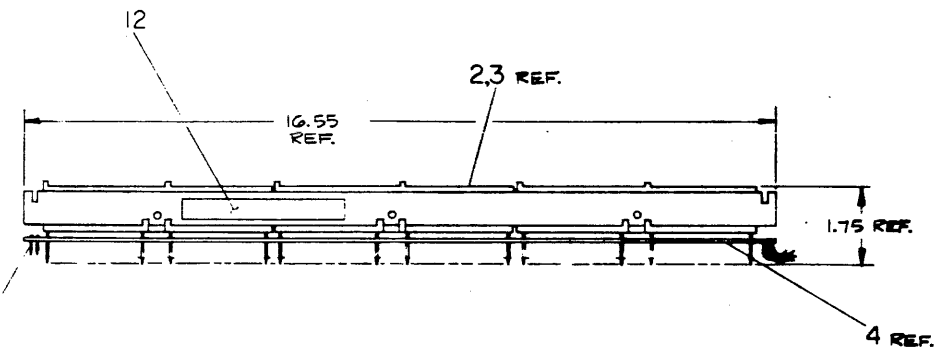
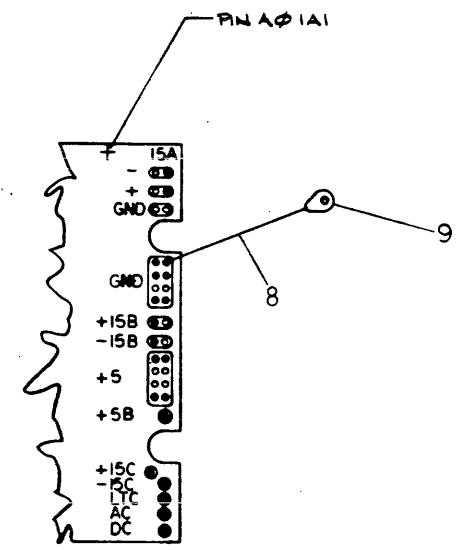
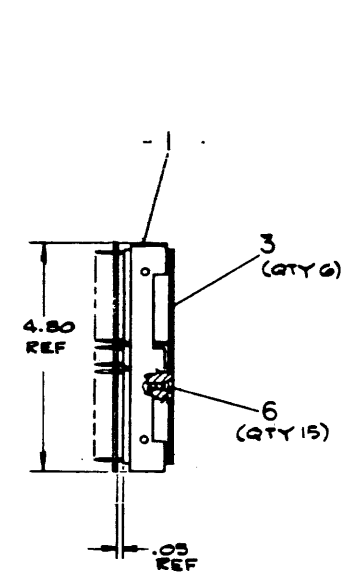
DO NOT REDUCE
SCALE
G.W.
FOR MANUFACTURING PURPOSES ONLY

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
REMOVE BURRS AND BREAK SHARP CORNERS	ANGLES 20° 30°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES
DO NOT SCALE DWG	SURFACE QUALITY IN	MEDIUM	OVER 0 TO 0.25 OVER 0.25 TO 0.5 OVER 0.5 TO 1.0 OVER 1.0 TO 2.0 OVER 2.0 TO 4.0 OVER 4.0 TO 8.0 OVER 8.0 TO 16.0
MATERIAL SEE PARTS LIST	MICROINCHES	PREFERRED	±0.004 ±0.008 ±0.012 ±0.016 ±0.020 ±0.024 ±0.030
FINISH	DRN. C.V. 55-110-17 JUN 80	FIRST USED ON	11/24 digital
	CHK'D P.K. 55-2	TITLE	POWER HARNESS
	ENG. 55-2		11/24
	PROD. 55-2		
	NEXT HIGHER ASSY.		
	D-AD-7016905-0-0	SIZE	CODE
	SCALE 1/1	D	IA
	SHEET 1 OF 1	DIST.	NUMBER
			7016961-0-0
			REV. 3

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WIRE TABLE							
FROM				TO			
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLUE	P4-14	SOLDER	-15A	RED	P2-4	SOLDER	+5V
RED	P4-4		+5V	RED	P2-1	SOLDER	+5V
RED	P4-1		+5V	BLUE	P2-14		-15C
BLK	P4-8		GND	BLK	P2-8		GND
BLK	P4-9		GND	GRAY	P2-3		+15A
WHT	P4-6		+15B	GRAY	P4-3		+15C
GRN	P4-15		-15B	BLK	P2-9		GND
YEL	P3-4		AC	GRN	P2-12	SOLDER	+5B
BLK	P3-1		GND	ITEM#	SOLDER	ITEM#	ITEM#
BRN	P3-2		LTC				
VIO	P3-3	SOLDER	DC				

NOTES:
1. PRIOR TO ASSEMBLING ETCH CKT BD (ITEM#4) TO PINS ON BACK PLANE, INSERT PINS DESIGNATED BY ASTERISK (*) ITEM#5.



CAUTION: OFF SHEET PARTS LIST
REFER TO K-PL-7016905-0-DBP

REF	AWT REV STATUS	A-W-7016905-0-2	15
REF	WIRE LIST	D-7016905-0-1	14
REF	CIRCUIT SCHEMATIC	D-C-7016905-0-1	13
1	LABEL AWT REV STATUS	A-7016905-0-0	12
AR	WIRE #26 AWG VIO	7016905-0-1	11
AR	WIRE #30 GRAY/VIO TW/PR	9107773-87	10
1	TERMINAL SOLDER	9008150	9
2	WIRE BLK STRD #14	9107370-00	8
1	POWER HARNESS	D-7016905-0-0	7
15	SCR FL HD #8-32 X .62 LONG	9008120-0	6
29	PIN STAKING P.C. BD	9008149	5
1	ETCH CIRCUIT BOARD	D-7016905-0-0	4
2	BLOCK, CONN. 288 PIN	1210258-01	3
3	BLOCK, CONN. 72 PIN	1211425-02	2
1	FRAME, LOGIC	1211439-00	1

REVISION HISTORY	REV	DATE	BY	APP
7016905-TW001 A	A	11/24/80	RAY GRUDA	
7016905-TW001 B	B	11/24/80	RAY GRUDA	

QUANTITY & VARIATION	THIRD ANGLE PROJECTION	DATE 15 JAN 80	TITLE 11/24 digital
DO NOT SCALE DRAWING	REMOVE BURRS AND BREAK SHARP CORNERS	DATE 5-1-80	BACKPLANE ASS'Y
MATERIAL SEE PARTS LIST	DATE 4-30-80	DATE 4-30-80	DOCUMENT NUMBER
FINISH	DATE 5-5-80	DATE 5-5-80	DAD7016905-0-0 B

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1		1211439-00	CASTING, LOGIC FRAME FOR 1105	1
2	2		1211425-02	CONN,CARD 72PIN SLOTTED OPEN EN	3
3	3		1210258-01	CONN,CARD 288PIN SLOTTED OPEN EN	6
4	4	D-UA-5013816-0-0	5013816-00	11/24 BACK PLANE	1
5	5		9009149-00	PIN, STAKING, P.C. BOARD, .025 X	29
6	6		9006120-00	SCREW, POZIDRIVE FILLISTER HD SW	15
7	7	D-IA-7016905-0-0	7016905-00	POWER HAPNESS (11/24)	1
8	8	SEE NOTE 1	9107370-00	WIRE,STRND,14AWG,IPVC UL1534	2
9	9		9008150-00	TERM LUG 1POS LOCKING,SOLDER	1
10	10		9107773-87	WIRE(WRAP)30AWG,TWP (UL1558)	A/R
11	11		9105740-44	WIPE(WRAP)30AWG UL1423	A/R
12	12	A-DC-7411881-0-0	7411881-00	DECAL BACKPLANE REV STATUS	1
13	13	BLANK			0
14	14	K-WL-7016905-0-1		WIRE LIST	REF
15	15	A-WT-7016905-0-2		AWT REV STATUS	REF

16 NOTE: NOTE 1: ITEM 8 LENGTH IS IN INCHES

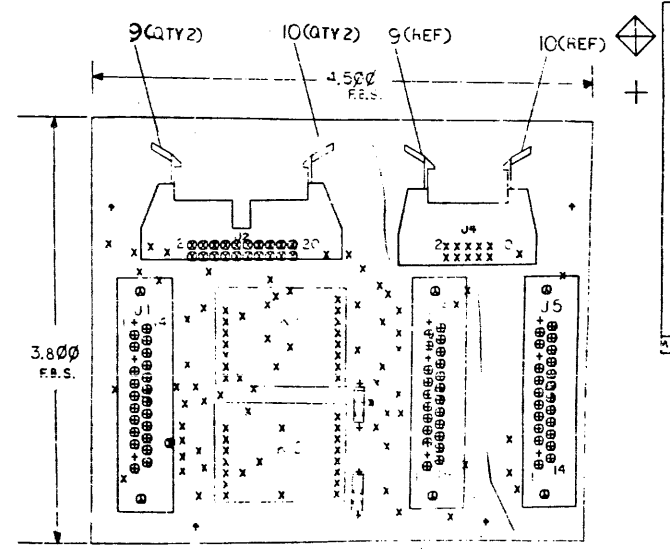
REVISION HISTORY		BASIC PART NO: 7016905		DRN: H. DARAKJIAN		DATE: 28-APR-81		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	W. FISHER	DATE:	28-APR-81	TITLE PARTS LIST	
---	INITIAL	-	SECTION, VARIATION INDEX					11/24 BACKPLANE ASSY	
RG	7016905-TW001	1A	[A] 00						
WB	11/24-TWO1A	1B	[B]	DES.ENG.:	R. GRUDA	DATE:	28-APR-81		
			[C]						
			[D]	RESP.ENG.:	R. GRUDA	DATE:	28-APR-81	DOCUMENT NUMBER	
			[E]						
			[F]	MFG.ENG.:	J. AVILES	DATE:	28-APR-81	SIZE	CODE
				ASSEMBLY NUMBER:				NUMBER	REV
				D-AD-7016905-0-0		TOP DOCUMENT NUMBER:		FILE NAME:	EDIT
						E-UA-11/24-0-0		Z2443.PLS	7

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TW

100%
CHECKED
DATE
BY

1 2 3 4 5 6 7 8



NOTE:
STOP 1 - Y AXIS
STOP 2 - X AXIS
STOP 3 - Y AXIS
STOP 4 - X AXIS

SIGNATURES	DATE	digital INTERFACE
DESIGNED BY		
REVIEWED BY		
DATE		
PROJECT NO.		VA 542160010
DRAWN BY		
CHECKED BY		
DATE		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	01	
1	1	F-MD-5014217-D-0	5014217-00	ETCH BRD	1	1	
2	2		1216296-02	CONN, D SUB 25PIN	1	0	J1
3	3		1209941-12	HEADER 10POS RT ANGLE	1	1	J4
4	4		1209941-06	HEADER, 100 20POS RT ANGLE	1	1	J2
5	5		1210972-00	PLY, REED, 5V COTL, 4PDT, .25A, 15P	2	0	K1, K2
6	6		1105796-00	IN 4004 PIV=400 I= 1A D041 SP	2	0	D1, D2
7	7		1217536-01	CONN, D SUB 25PIN PC MIG W/PINS	2	2	J3, J5
8	8		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	0	8	W1-W8
9	9		1209941-03	HEADER RT ANGLE LEFT L	2	2	
10	10		1209941-04	HEADER RT ANGLE, RIGHT	2	2	

REVISION HISTORY			BASIC PART NO: 5414216		DRN: F.SMART		DATE: 3-MAR-80		D I G I T A L				
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: E.T.GERRY		DATE: 3-MAR-80		TITLE PARTS LIST				
---	INITIAL	D	SECTION VARIATION INDEX		DES.ENG: R.ROUDROT <th colspan="2">DATE: 7-MAY-80</th> <th colspan="5">DOCUMENT NUMBER</th>		DATE: 7-MAY-80		DOCUMENT NUMBER				
			[A] 00,01		RESP.ENG.: R.ROUDROT <th colspan="2">DATE: 7-MAY-80</th> <th colspan="2">SIZE CODE</th> <th colspan="2">NUMBER</th> <th>REV</th>		DATE: 7-MAY-80		SIZE CODE		NUMBER		REV
			[B]		MFG.ENG.: G.ABPEU <th colspan="2">DATE: 7-MAY-80</th> <td>K</td> <td>PL</td> <td colspan="2">5414218-0-DBP</td> <td>D</td>		DATE: 7-MAY-80		K	PL	5414218-0-DBP		D
			[C]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #		
			[D]		E-UA-5414218-0-0		B-DD-5414218-0-0		712630,PLS		18		
			[E]										
			[F]										
			[G]										
			[H]										
			[I]										
			[J]										
			[K]										
			[L]										
			[M]										
			[N]										
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TL

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LEGEND		
NUMBER	DIM "X" VARIATION	USED ON
7012214-2D	2 FT 4 IN ± 1 IN	KY11-LB
7012214-7	7 FT ± 2 IN	KY11-LB
7012214-10	10 FT ± 2 IN	1104/34-TA
7012214-ØH	7 IN ± 1.5 IN	H79Ø-B
7012214-3	3 FT ± 1 IN	11/60-T
7012214-08	8 FT ± 2 IN	BAM11
7012214-15	15 FT ± 3 IN	BAM11
7012214-12	12 FT ± 3 IN	BAM11
7012214-5L	5' 10" ± 1"	DNTCC-A

LEGEND		
NUMBER	DIM "X" VARIATION	USED ON
7012214-0D	4.0" ± 0.2"	H7183

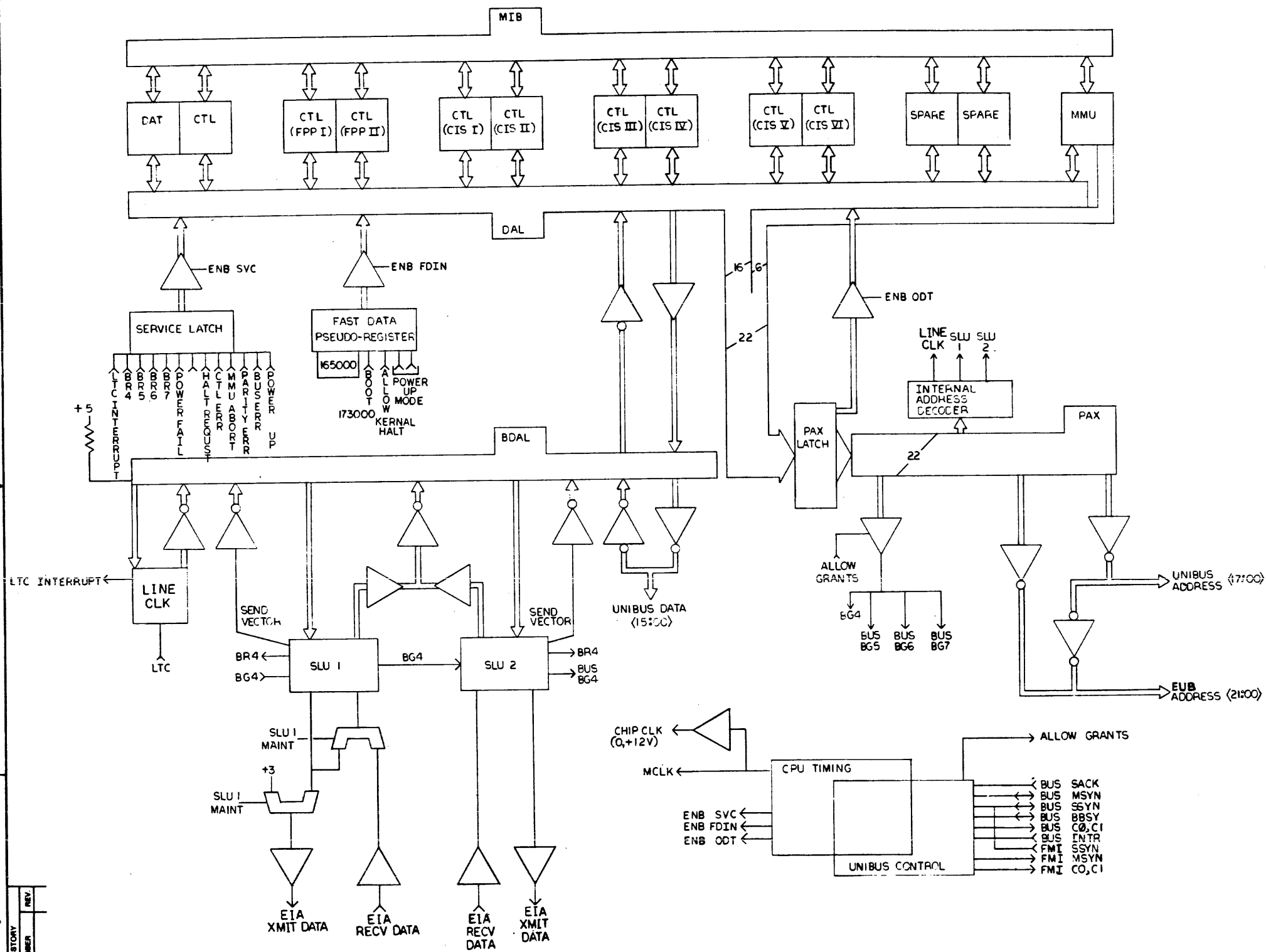
REV.	CHG	NO.	REV.	CHG	NO.
A		7012214-00001	B		7012214-00002
		7012214-00003			7012214-00004
		7012214-00005			7012214-00006
		7012214-00007			7012214-00008
		7012214-00009			7012214-00010
		7012214-00011			7012214-00012
		7012214-00013			7012214-00014
		7012214-00015			7012214-00016
		7012214-00017			7012214-00018
		7012214-00019			7012214-00020
		7012214-00021			7012214-00022
		7012214-00023			7012214-00024
		7012214-00025			7012214-00026
		7012214-00027			7012214-00028
		7012214-00029			7012214-00030
		7012214-00031			7012214-00032
		7012214-00033			7012214-00034
		7012214-00035			7012214-00036
		7012214-00037			7012214-00038
		7012214-00039			7012214-00040
		7012214-00041			7012214-00042
		7012214-00043			7012214-00044
		7012214-00045			7012214-00046
		7012214-00047			7012214-00048
		7012214-00049			7012214-00050
		7012214-00051			7012214-00052
		7012214-00053			7012214-00054
		7012214-00055			7012214-00056
		7012214-00057			7012214-00058
		7012214-00059			7012214-00060
		7012214-00061			7012214-00062
		7012214-00063			7012214-00064
		7012214-00065			7012214-00066
		7012214-00067			7012214-00068
		7012214-00069			7012214-00070
		7012214-00071			7012214-00072
		7012214-00073			7012214-00074
		7012214-00075			7012214-00076
		7012214-00077			7012214-00078
		7012214-00079			7012214-00080
		7012214-00081			7012214-00082
		7012214-00083			7012214-00084
		7012214-00085			7012214-00086
		7012214-00087			7012214-00088
		7012214-00089			7012214-00090
		7012214-00091			7012214-00092
		7012214-00093			7012214-00094
		7012214-00095			7012214-00096
		7012214-00097			7012214-00098
		7012214-00099			7012214-00100

2		CONN, SOC STR RELIEF 20 COND		1211206-03		2	
A/R		CABLE, RIBBON 20 COND		9107747		1	
QTY.		DESCRIPTION		PART NO.		ITEM NO.	
PARTS LIST							
DBL		DATE		digital			
CHK'D		DATE		TITLE			
ENG.		DATE		CABLE, CONSOLE			
PROJ. ENG.		DATE		TO M7859 (KY11-LB)			
PROD.		DATE		SIZE CODE			
NEXT HIGHER ASSY.		D-0A-KY11-LB-Ø		NUMBER		REV.	
SCALE		NONE		C IA		7012214-0-0	
SHEET		1 OF 1		DIST.		H	

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:					
MADE BY DATE		A. ROCHA 11 DECEMBER 80		CHECKED DATE		Ray Shuda		SECTION													
ENG DATE		Ray Shuda		PROD DATE		Ray Shuda		ISSUED SECTION													
ITEM NO.		DRAWING NO.		PART NO.		DESCRIPTION		KDF11-UA													
1.				M7133		CPU MODULE		1													
2.		B-PL-KDF11-UA-4				SHIPPING LIST		REF													
E.C.O. NO.																					
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										INSERTION PARTS LIST DATA BASE REV											

TW

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DESIGNED BY G. GRAVES	DATE 28 APR 80	TITLE digital
CHECKED BY R. BROWN	DATE 15 JAN 81	DATA PATHS BLOCK DIAGRAM (M7133)
DESIGNED BY R. BROWN	DATE 15 JAN 81	DOCUMENT NUMBER
DESIGNED BY R. BROWN	DATE 1/15/81	SCALE NONE
DESIGNED BY R. BROWN	DATE 1/15/81	SHEET 1 OF 1
DESIGNED BY R. BROWN	DATE 1/15/81	SCALE NONE

A

B

DBD KDFII-UA-1

C

D

REV	DATE	DESCRIPTION
1		

1022

1 TW

DRAWING DIRECTORY

REFER TO PRINT SET #MP01028

UNIT VARIATIONS

[illegible]

REVISIONS	REV.		USED ON OPTION/MODEL	DRN	Shake	DATE	15 Dec 80										TITLE										digital									
	CHANGE NO.			CHK'D.	R. Brennan	DATE	1-15-81										16 BIT F11										UNIBUS PROCESSOR (M7133)									
	CHK			PROJ. ENG.	R. Brennan	DATE	1-15-81										SIZE	CODE	NUMBER										REV							
				PROD.	R. Brennan	DATE	1-15-81										B	DD	KDF11-UA-0										A							
				SHEET 1 OF 2			DIST.																													

DIGITAL EQUIPMENT CORPORATION PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY A. ROCHA
DATE 11 DECEMBER 80

CHECKED *R. Xander*
DATE *1-15-81*

SECTION

ENG *R. Smith*
DATE *1-15-01*

PROD	A. Sunda
DATE	1-15-81

ISSUED SECTION

ITEM
NO.

DRAWING NO.

PART NO.

DESCRIPTION

REF DESIGNATION

1	D-BD-KDF11-UA-1	KDF11-UA-1	BLOCK DIA KDF11
2	D-UA-M7133-0-0	M7133	CPU Module
3	K-GL-KDF11-UA-2	KDF11-UA-2	OPTION.TXT
4		ZJ013	LIBKIT (CPU 11/24)

1
1
1
REF

E.C.O. NO.

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TITLE

16 BIT F11 UBUS
PROC. (M7133) SHIP LIST

ASSY NO.	
----------	--

B-DD-KDF11-UA-0

SIZE

B

CODE	DESCRIPTION	AMOUNT	DATE
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NUMBER

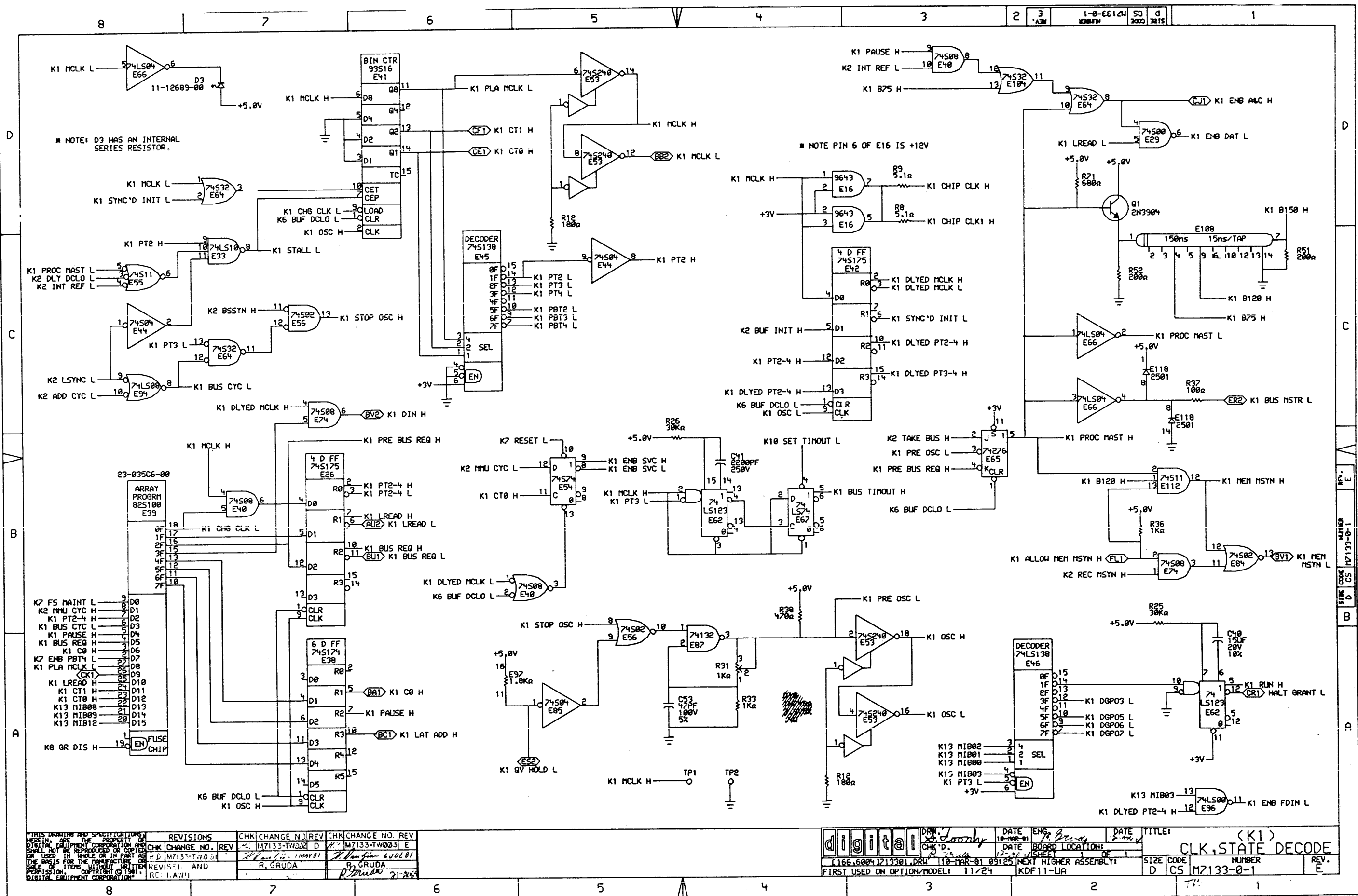
KDF11-UA-4

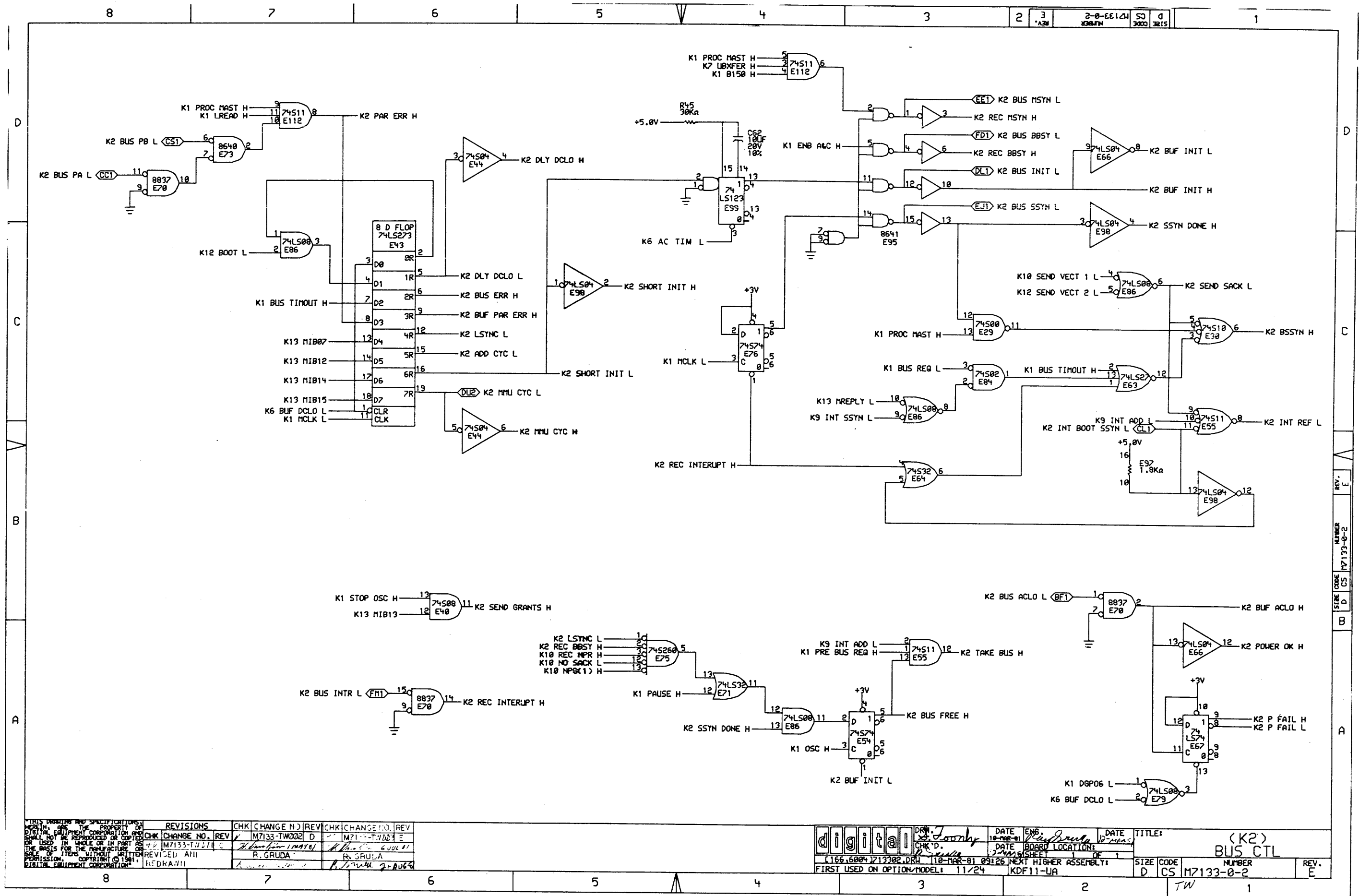
REV.

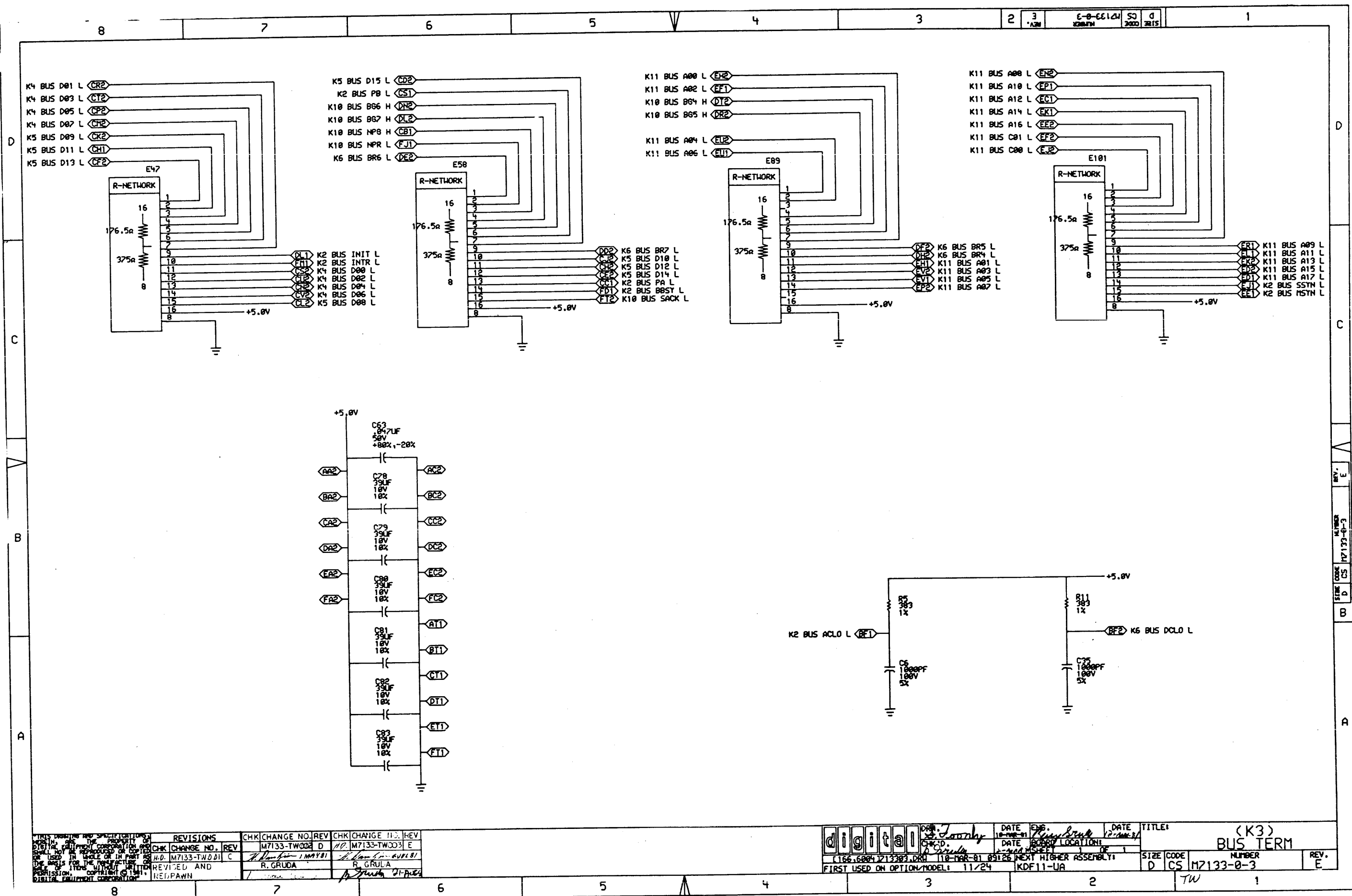
A

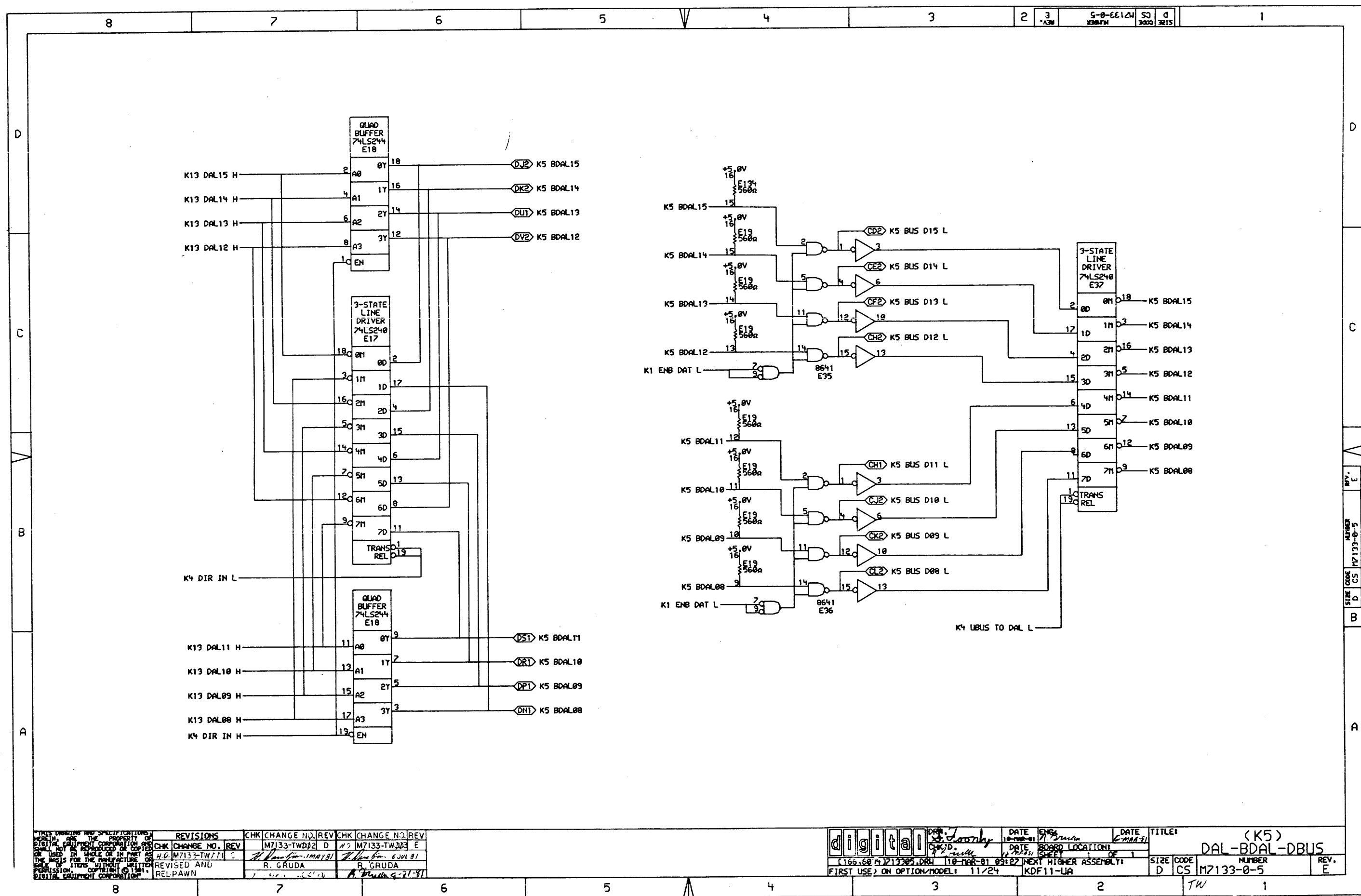
SHEET 1 OF 1

INSERTION PARTS LIST DATA BASE REV

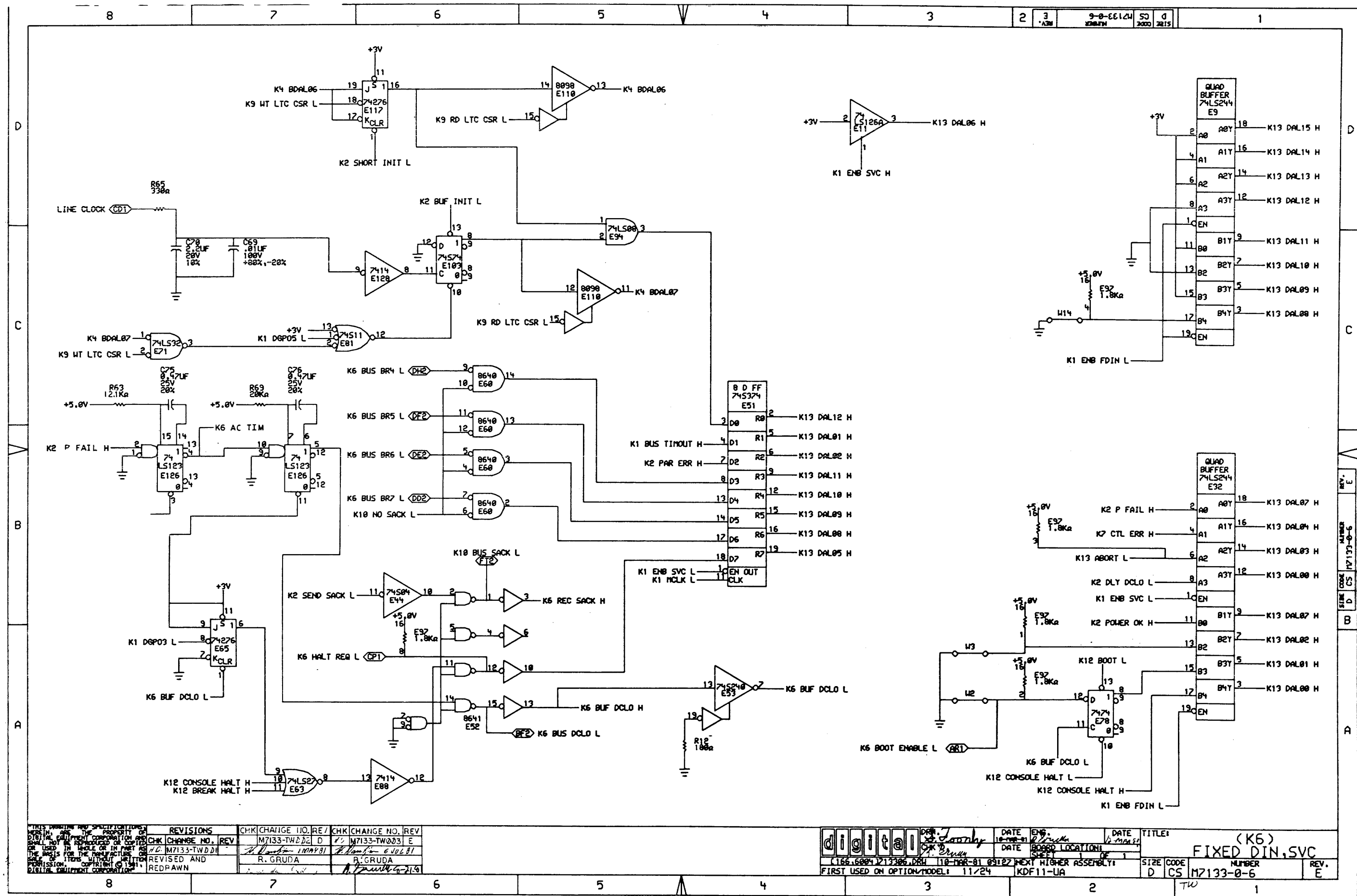


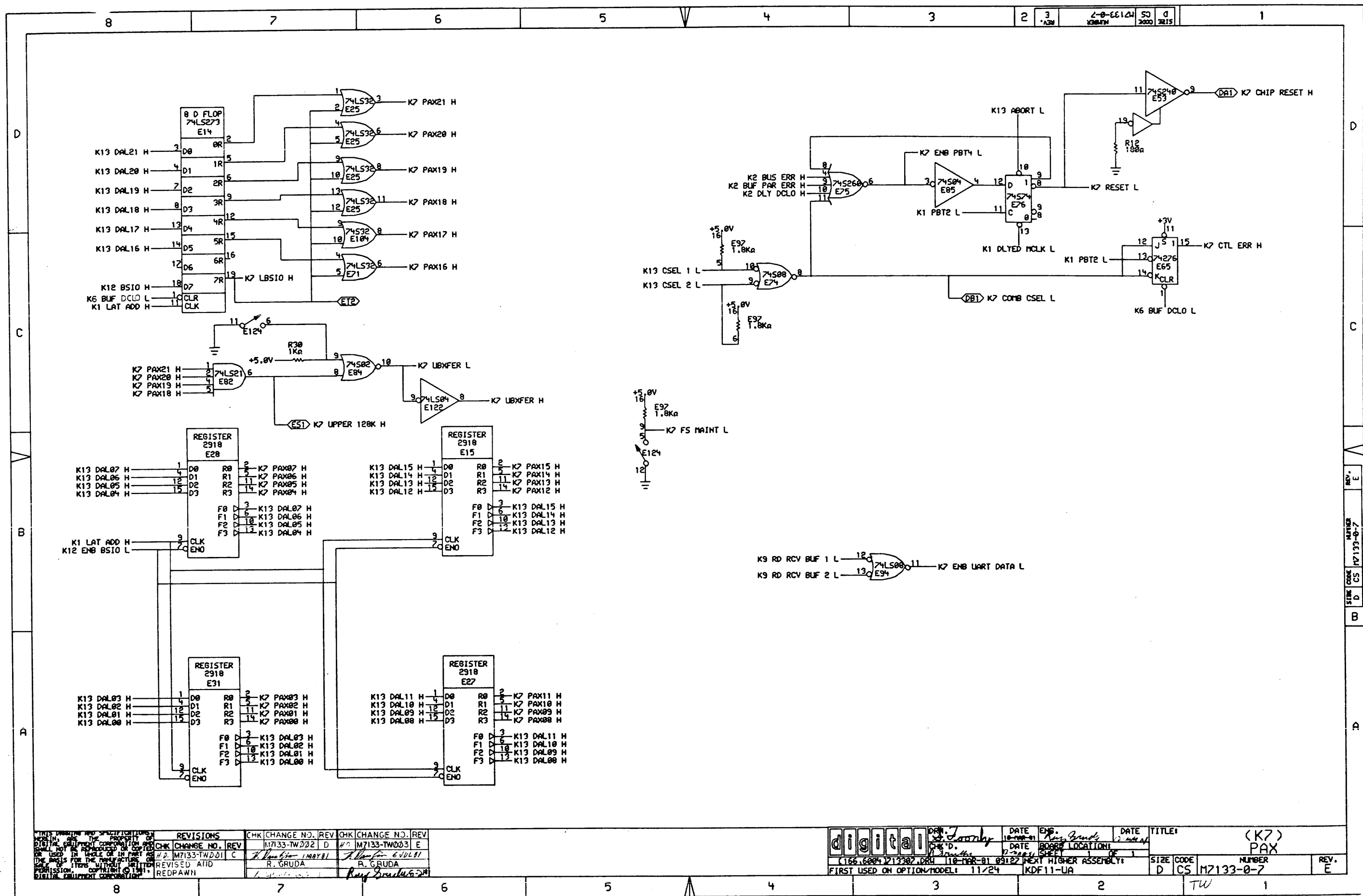


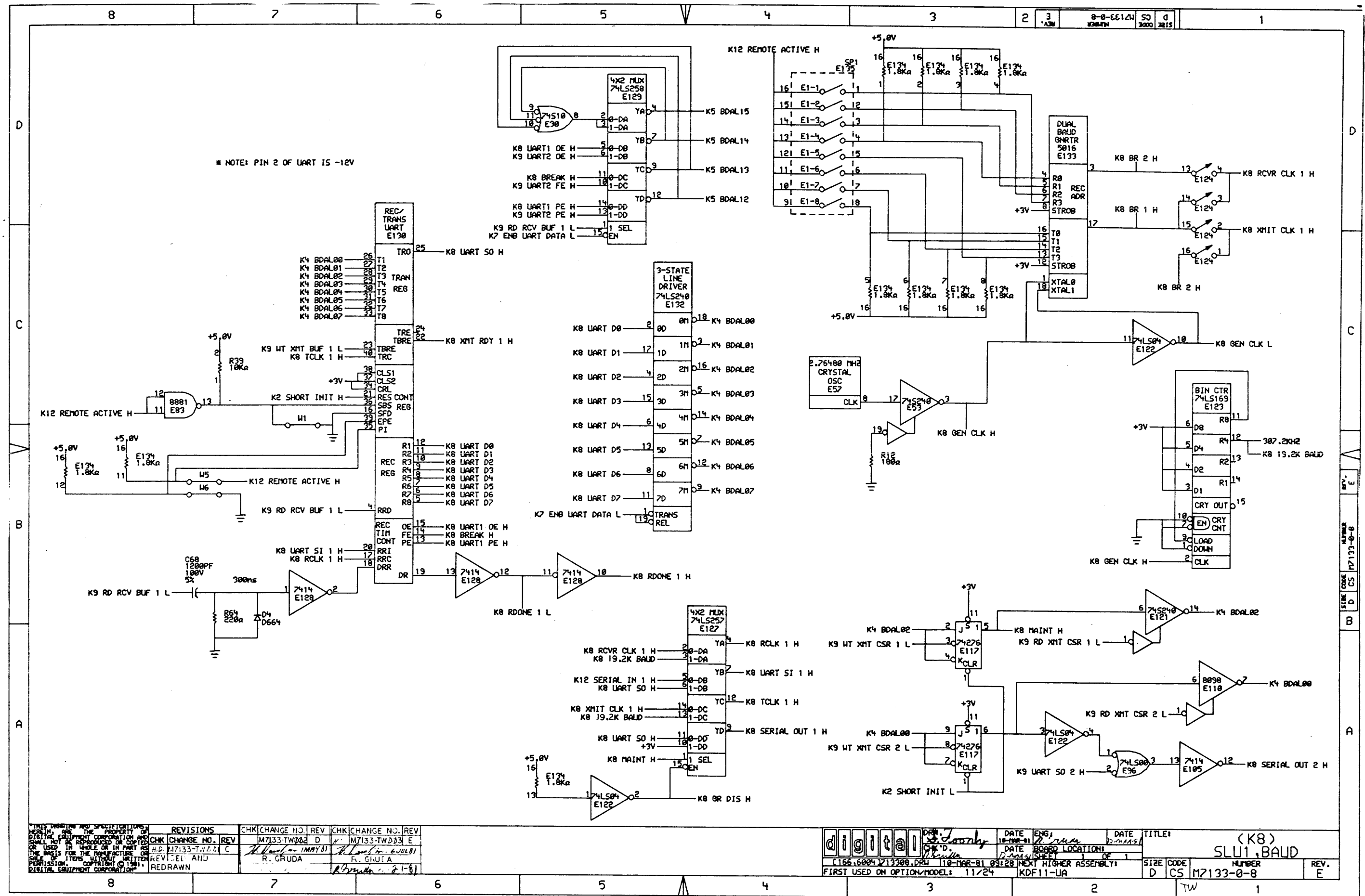


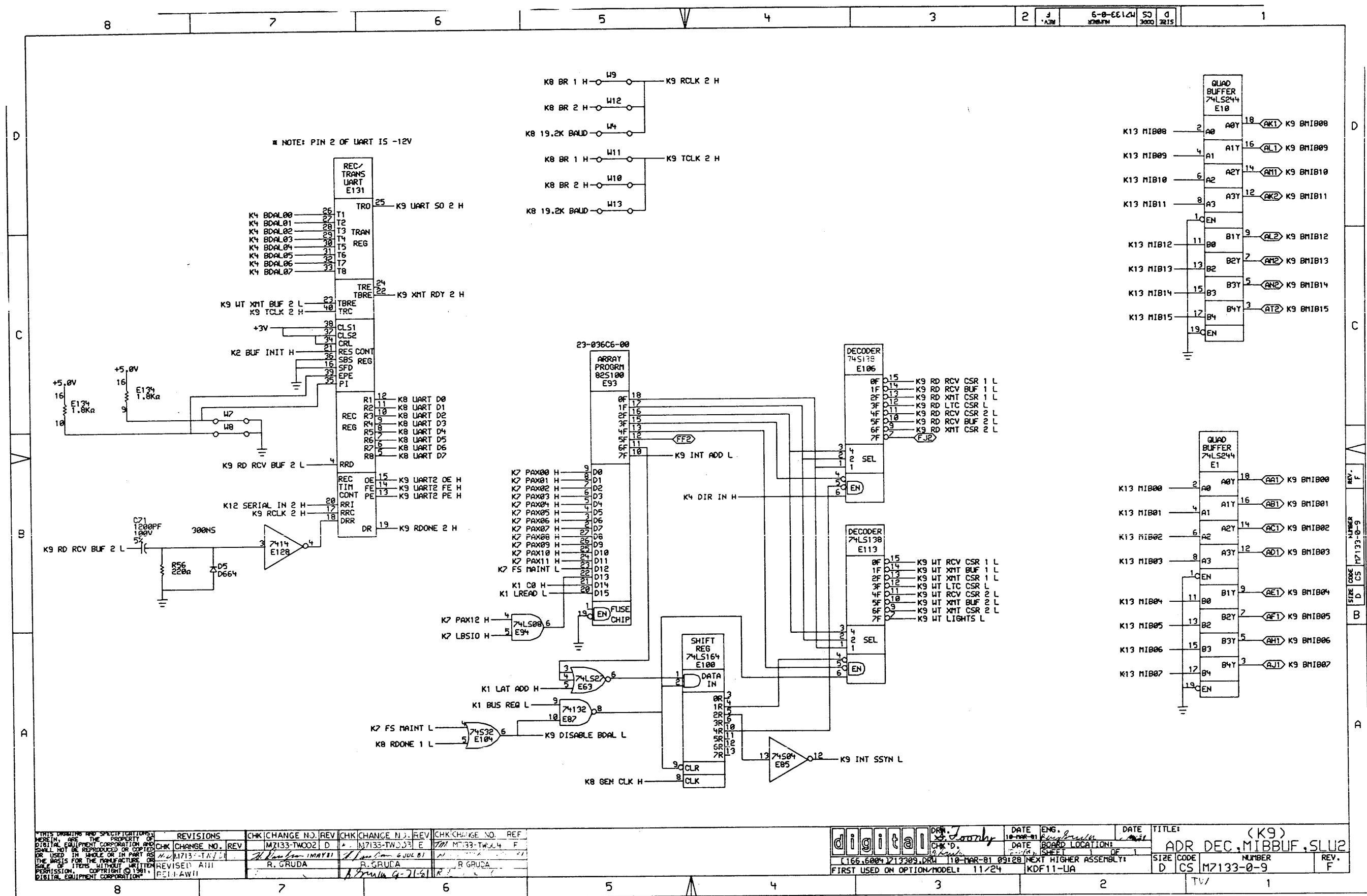


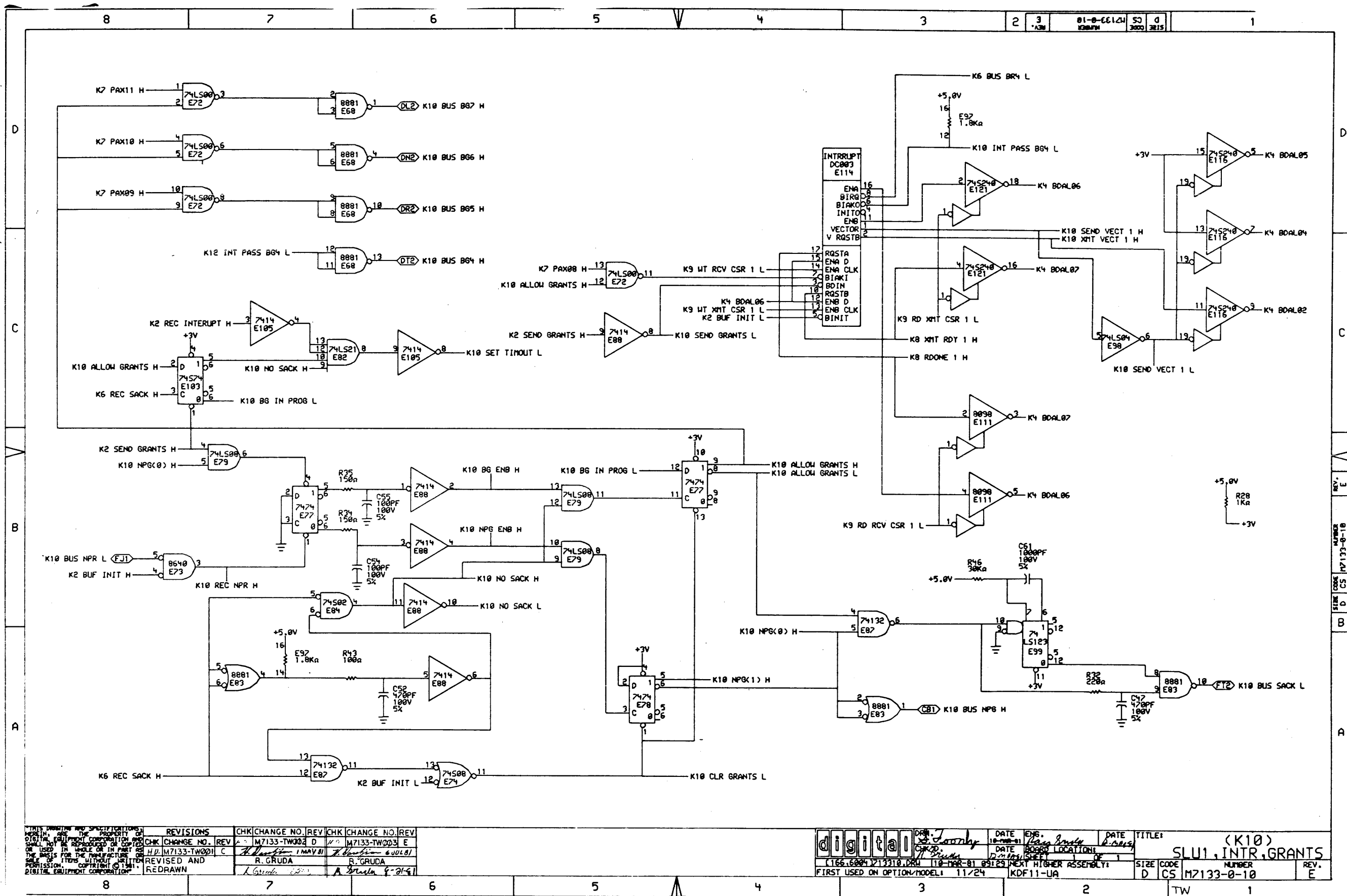
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	CHK CHANGE NO. REV		M7133-TW022 D		M7133-TW023 E														
	H.D. M7133-TW111		A. Brun 11-MAR-81		A. Brun 6-JUL-81														
	REVISED AND RELPAWN		R. GRUDA		R. GRUDA														

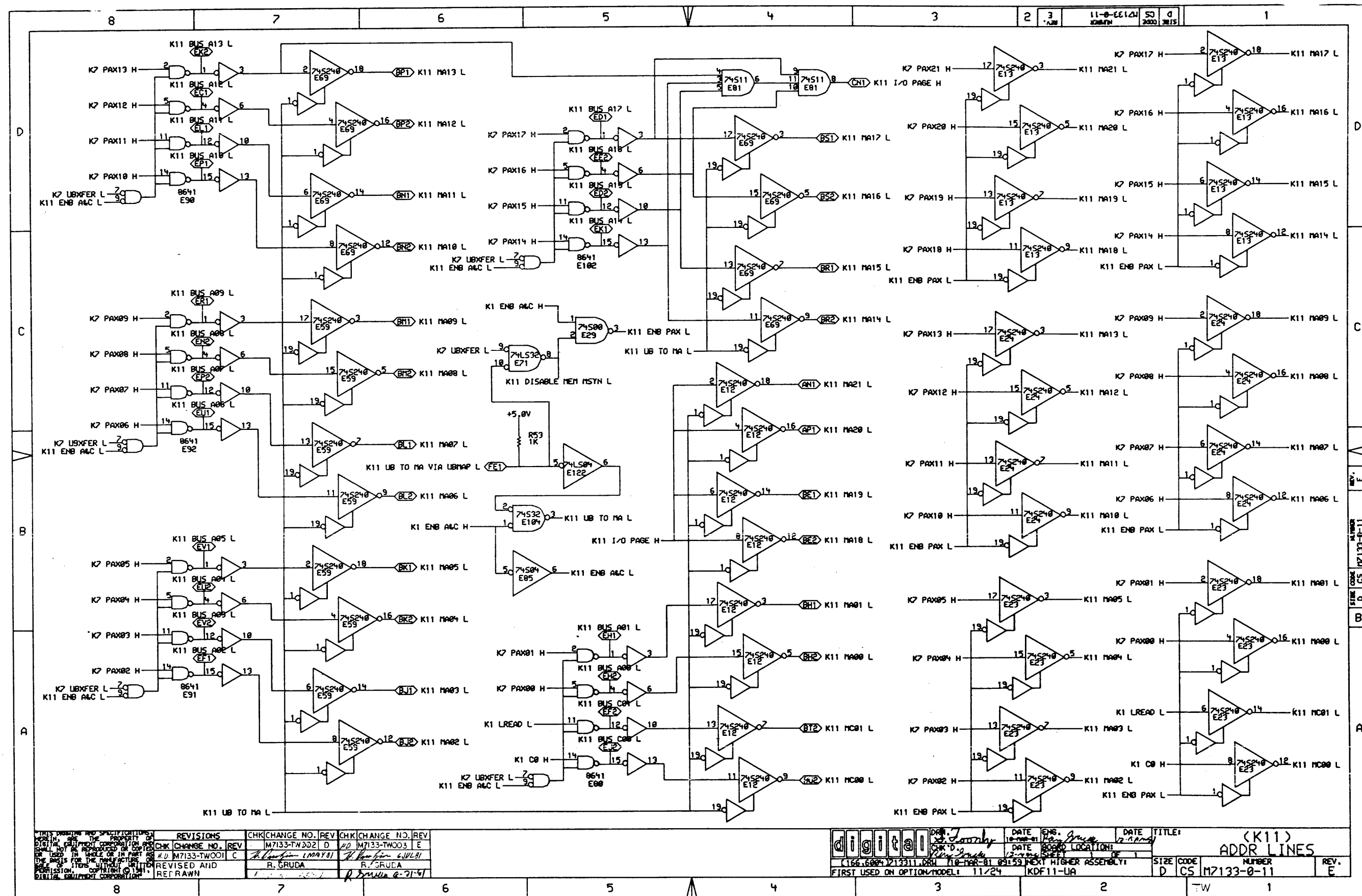


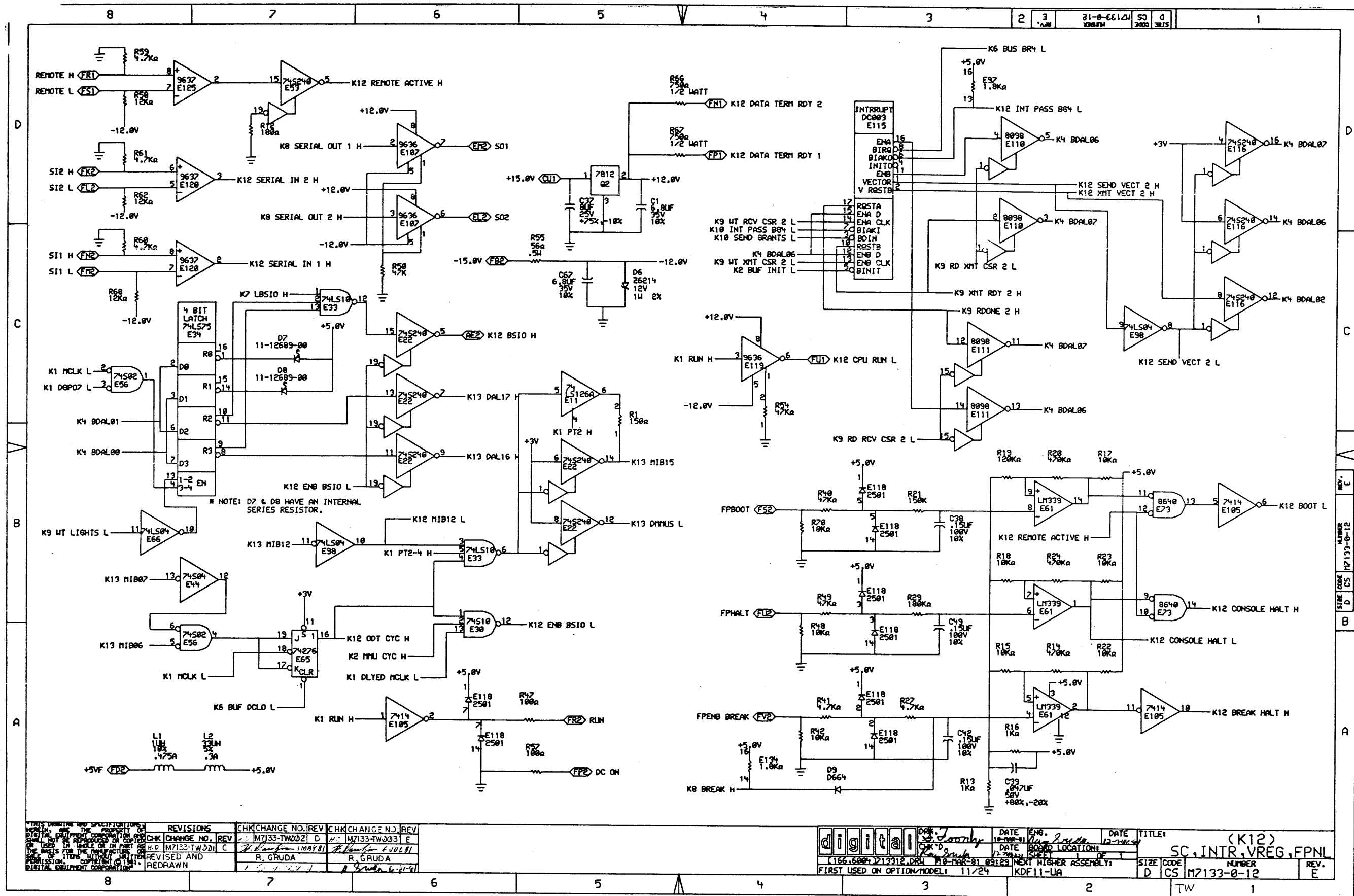


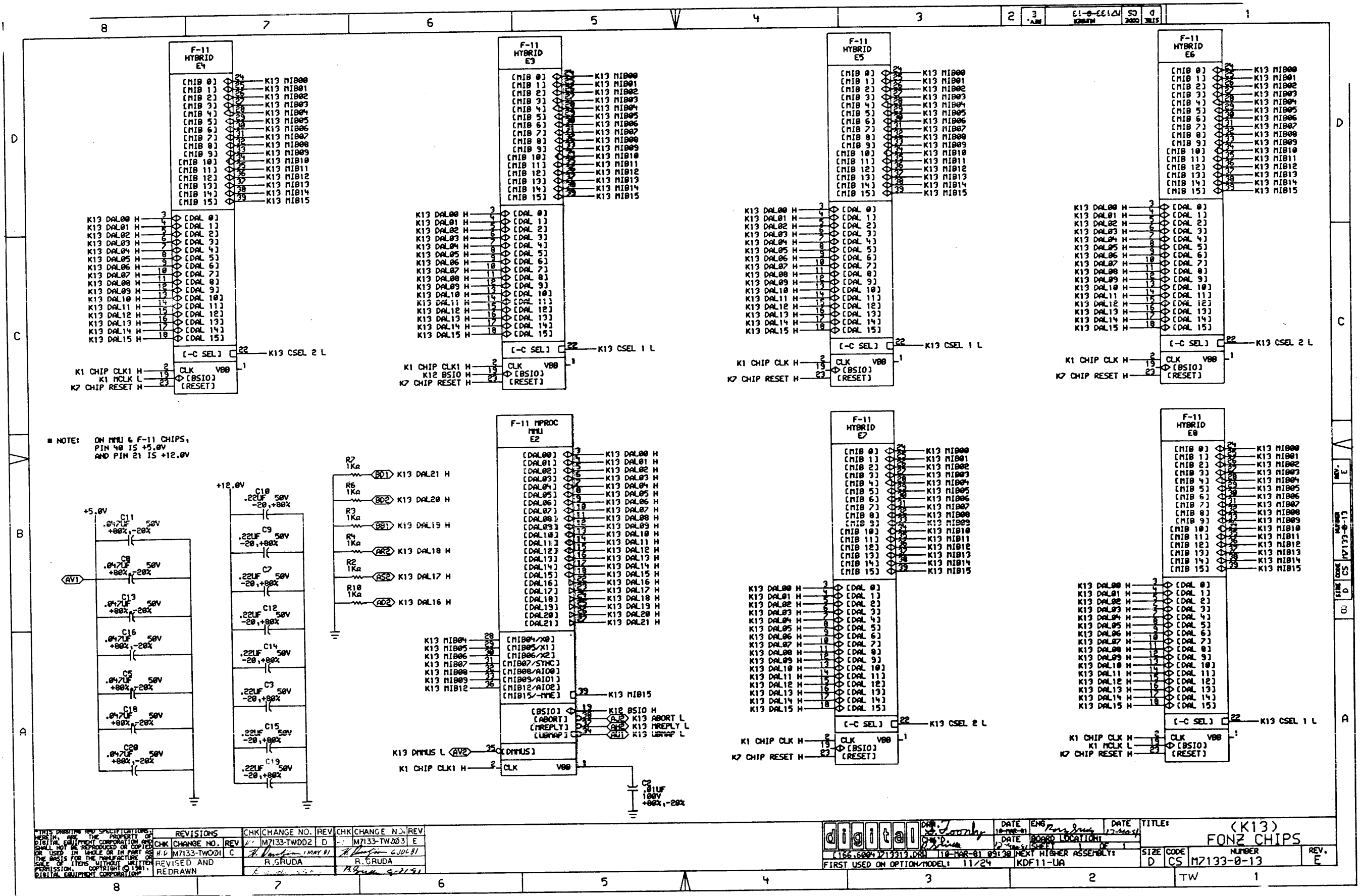












THERE ARE TWO SIMULTANEOUS BAUD RATES AVAILABLE.
BAUD RATE 1 IS SELECTED USING SWITCHES 5,6,7 & 8 OF E195.
BAUD RATE 2 IS SELECTED USING SWITCHES 1,2,3 & 4 OF E195.
BOTH ARE ACCORDING TO THE SWITCH SETTING PATTERN SHOWN BELOW.

SLU 1

```

XMIT RATE (KB XMIT CLK 1)
      BAUD RATE
      BAUD RATE

```

RCVR RATE (K8 RCVR CLK 1)

BALD RATE 1	---	---	ON	OFF
BALD RATE 2	---	---	OFF	ON

RCVR RATE (K9 RCLK 2)

```

BAUD RATE 1      OUT IN  ---  ---  OUT  ---
BAUD RATE 2      OUT OUT  ---  ---  IN   ---
19.2K BAUD       IN  OUT  ---  ---  OUT  ---

```

1. PUT PROBE ON K1 MCLK L AT PIN 88Z
2. PUT MACHINE IN WAIT LOOP.
3. ADJUST POTENTIOMETER R31 WITH SCREWDRIVER UNTIL K1 MCLK L HAS A PERIOD OF 300ns.

SWITCH

E124	5	ON	ENABLE FIELD SERVICE MAINT L
		OFF	NO FS MAINT
E124	6	ON	NO EFFECT ON UBXFER
		OFF	FORCES UBXFER L

	SLU 1		SLU 2	
	W5	W6	W7	W8
ODD PARITY	---	IN	---	IN
EVEN PARITY	---	OUT	---	OUT
PARITY ENABLED	IN	---	IN	---
PARITY DISABLED	OUT	---	OUT	---
	W1			
ONE STOP BIT	IN			
TWO STOP BIT	OUT			

(REMOTE ACTIVE H DEFAULTS TO ONE STOP BIT)

== NOTE: IF M9312 IS PRESENT,
M9312 SI-2 MUST BE OFF.

JUMPERS

```

POWER UP TO:
165000
173000
W14
IN
OUT

W3
IN
OUT

ALLOW HALTS
IN
OUT

KERNEL HALT TRAPS TO 10
OUT

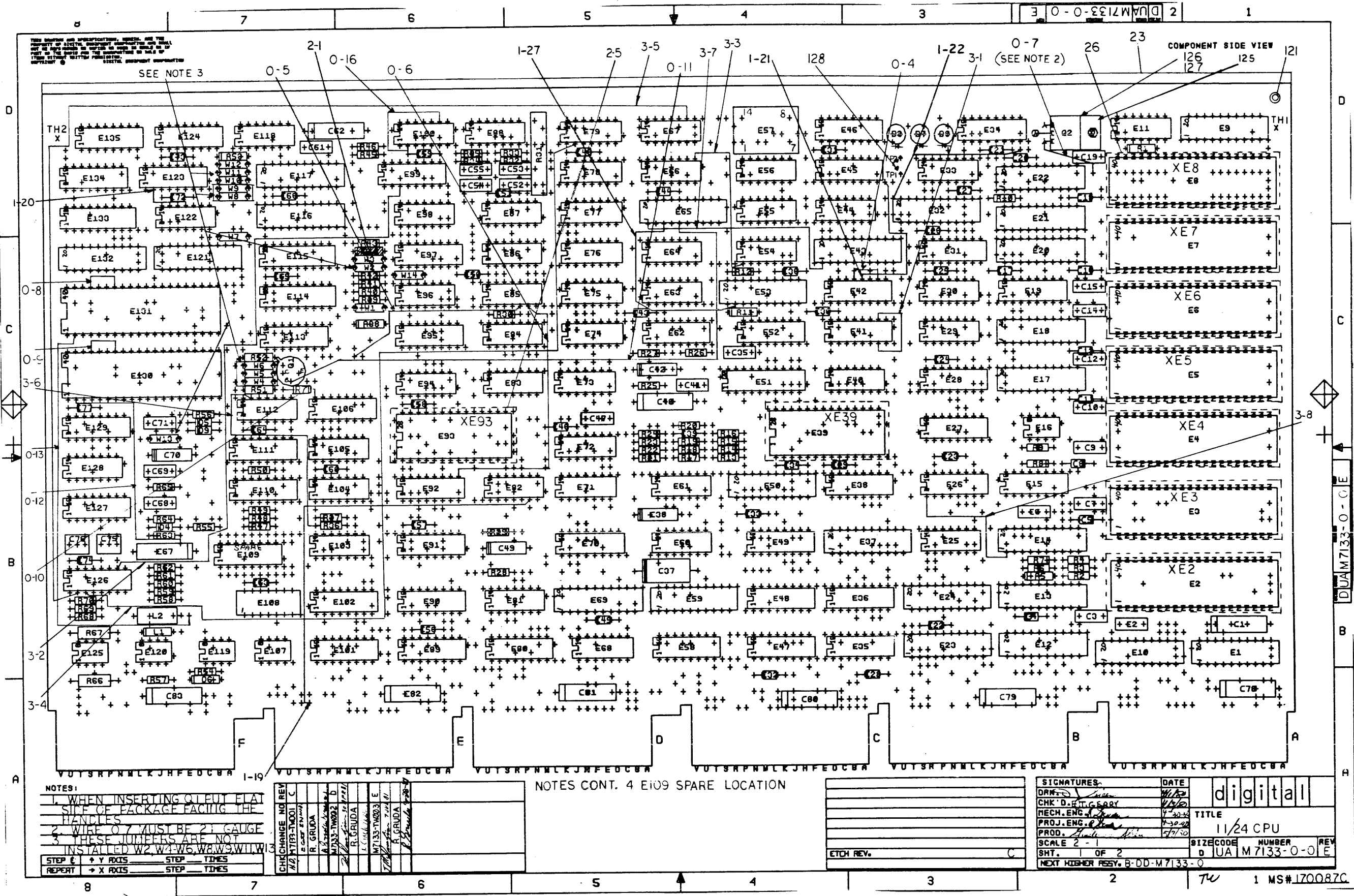
W2
IN
OUT

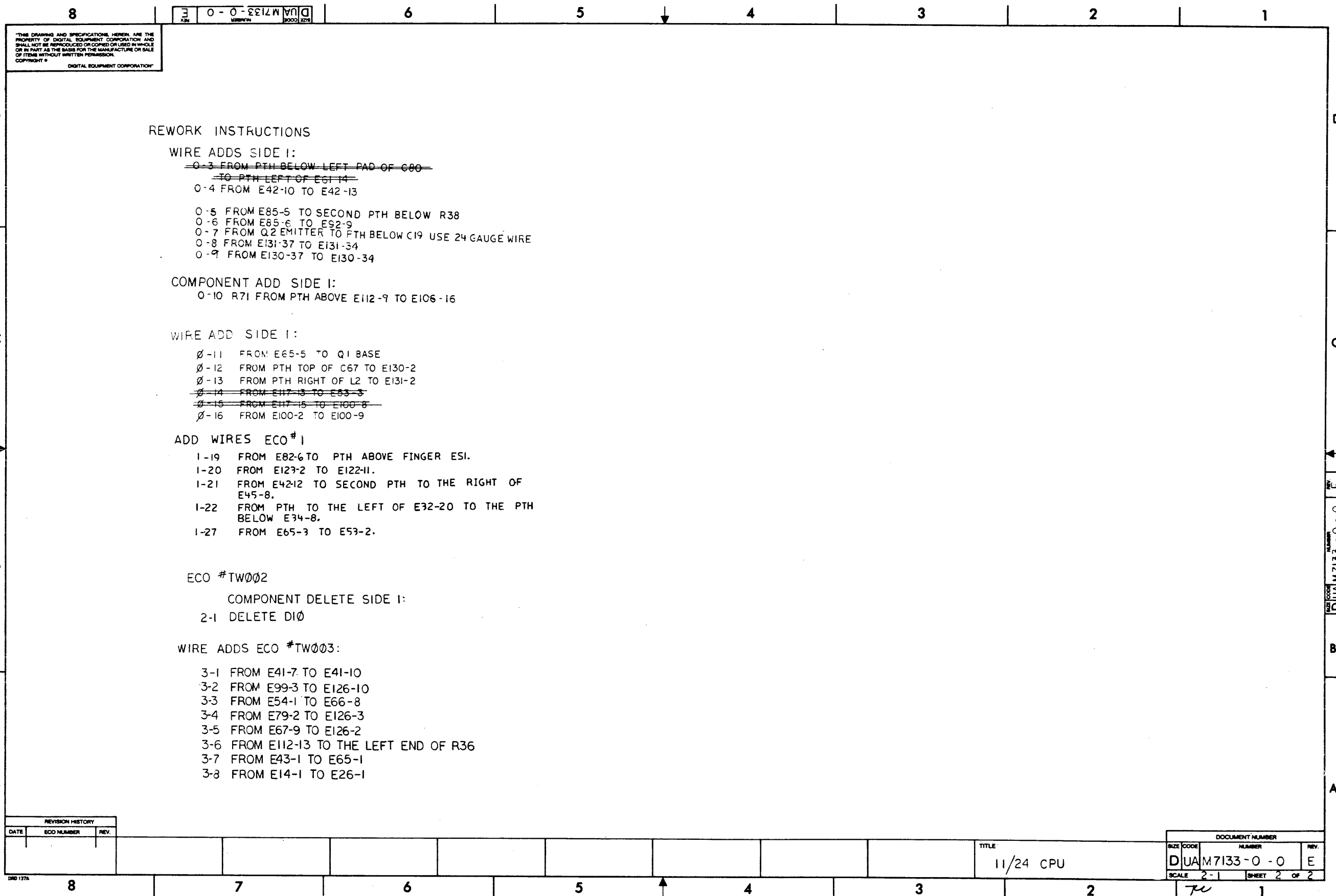
BOOT ON POWER UP
POWER UP VIA 24

```

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	H.D. M7133-TW001	C	M7133-TW002 D	M7133-TW003 E
			R. GRUDA	R. GRUDA

digital	DRN. <i>Lowry</i>	DATE <i>10-MAR-81</i>	ENG. <i>Ray Jones</i>	DATE <i>12-MAR-81</i>	TITLE: (K14) SW, JMPR, CLK SETTINGS
	CHK'D <i>Ray Jones</i>	DATE <i>12-MAR-81</i>	BOARD LOCATION: <i>OF 1</i>		
C166.6004.1213314.DRU		M0-MAR-81 09130	NEXT HIGHER ASSEMBLY: KDF11-UA		
FIRST USED ON OPTION: 11/24				SIZE D	CODE CS
				NUMBER M2133-0-14	
				REV. E	





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REWORK INSTRUCTIONS

WIRE ADDS SIDE 1:

- ~~0-3 FROM PTH BELOW LEFT PAD OF C80~~
- ~~TO PTH LEFT OF E61-14~~
- 0-4 FROM E42-10 TO E42-13
- 0-5 FROM E85-5 TO SECOND PTH BELOW R38
- 0-6 FROM E85-6 TO E92-9
- 0-7 FROM Q2 EMITTER TO PTH BELOW C19 USE 24 GAUGE WIRE
- 0-8 FROM E131-37 TO E131-34
- 0-9 FROM E130-37 TO E130-34

COMPONENT ADD SIDE 1:

- 0-10 R71 FROM PTH ABOVE E112-9 TO E106-16

WIRE ADD SIDE 1:

- Ø-11 FROM E65-5 TO Q1 BASE
- Ø-12 FROM PTH TOP OF C67 TO E130-2
- Ø-13 FROM PTH RIGHT OF L2 TO E131-2
- ~~Ø-14 FROM E17-13 TO E53-3~~
- ~~Ø-15 FROM E17-15 TO E100-8~~
- Ø-16 FROM E100-2 TO E100-9

ADD WIRES ECO #1

- 1-19 FROM E82-6 TO PTH ABOVE FINGER E51.
- 1-20 FROM E123-2 TO E122-11.
- 1-21 FROM E42-12 TO SECOND PTH TO THE RIGHT OF E45-8.
- 1-22 FROM PTH TO THE LEFT OF E32-20 TO THE PTH BELOW E34-8.
- 1-27 FROM E65-3 TO E53-2.

ECO #TW002

COMPONENT DELETE SIDE 1:

- 2-1 DELETE DIØ

WIRE ADDS ECO #TW003:

- 3-1 FROM E41-7 TO E41-10
- 3-2 FROM E99-3 TO E126-10
- 3-3 FROM E54-1 TO E66-8
- 3-4 FROM E79-2 TO E126-3
- 3-5 FROM E67-9 TO E126-2
- 3-6 FROM E112-13 TO THE LEFT END OF R36
- 3-7 FROM E43-1 TO E65-1
- 3-8 FROM E14-1 TO E26-1

REVISION HISTORY		
DATE	ECO NUMBER	REV.

TITLE
11/24 CPU

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV.
D	UAM7133-0-0	E
SCALE	2-1	SHEET 2 OF 2

AUTOMATED BY FRTLST.3L(36)

P A R T S L I S T

SHEET A1 OF A4

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

REFERENCE DESIGNATOR

1000011-00	5013838-00	DRILL & ETCH BD	1	C53
1000016-00	1000011-00	47.0 MMF 100V 5%200PPM MICA	1	C54,C55
1002424-00	1000016-00	100.0 MMF 100V 5%200PPM MICA	1	C68,C71
1000024-00	1002424-00	1200.0 MMF 100V 5%200PPM MICA	1	C47,C52
1000042-00	1000024-00	470.0 MMF 100V 5%200PPM MICA	1	C6,C35,C61
1000055-00	1000042-00	1000.0 MMF 100V 5%200PPM MICA	1	C41
1000076-00	1000055-00	2200.0 MMF 250V 20% YSS DISC	1	C78-C83
1001610-01	1000076-00	39 MFD 10V 10% S.TANT	1	C2,C69
1002627-00	1001610-01	.01 MFD50/100V +80-20% DISC	1	C70
1004812-00	1002627-00	2.2MFD 20V 10% S.TANT	1	C40
1004813-00	1004812-00	15 MFD 20V 10% S.TANT	1	C62
1005306-00	1004813-00	10 MFD 20V 10% S.TANT	1	C1,C67
1010274-01	1005306-00	6.8MFD 35V 10% S.TANT	1	C3,C7,C9,C10,C12,C14,C19,C15
1010279-00	1010274-01	.22 MFD 50V +80-20% Z5U CER	1	C75,C76
1011895-00	1010279-00	.47 MFD 25V 20% CER	1	C38,C42,C49
1012084-01	1011895-00	.15 MFD 35V 10% S.TANT	1	C37
1012784-00	1012084-01	.8 MFD 25V +75-10% AL EL	1	C4,C5,C8,C11,C13,C16-C18
	1012784-00	.047 MFD 50V +80-20% CER	45	C20-C34,C36,C39,C43-C46,C48,C50, C51,C56-C59,C60,C63-C66,C72-C74, C77
			CONT	D4,D5,D9
			CONT	
			CONT	
1100114-00	1100114-00	D 664 QS\75PCB PIV= 25V SP	3	D6
			00	D3,D7,D8
1109502-01	1109502-01	Z 6214 VZ= 12.0 2% 1W	1	E124,E135
1112689-00	1112689-00	LED .8MCD@16MA VF=5V	1	XE39,XE93
1210711-02	1210711-02	/REPLACED BY 12-16988-02	1	XE2-XE8
1211164-04	1211164-04	SW,DIP 1P 1A 8POS	1	E97,E134
1215006-07	1215006-07	SKT,IC 28PIN DIP TIN PLATE	1	
1216116-00	1216116-00	SKT,IC 40PIN DIP GOLD PLATE	1	
1300005-11	1300005-11	R NETWORK 15-1.8K 5.0 % 16PIN	2	

REVISION HISTORY		BASIC PART NO: M7133		DRN: K.FRIEDGEN		DATE: 04-SEP-79		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: E.T.GERRY		DATE: 04-SEP-79		TITLE PARTS LIST	
---	INITIAL	B	SECTION VARIATION INDEX	DES.ENG: J.COOKIE		DATE: 04-SEP-79		11/24 CPU	
RG	M7133-TW001	[A]	00	RESP.ENG.: J.COOKIE		DATE: 04-SEP-79		DOCUMENT NUMBER	
RG	M7133-TW002	[B]		MFG.ENG.: G.ABREN		DATE: 7-MAY-80		SIZE: CODE: NUMBER REV	
RG	M7133-TW003	[C]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #	
RG	M7133-TW004	[D]		D-UA-M7133-0-0		B-DD-M7133-0-0		Z1265F.PLS 39	
		[E]							
		[F]							
		[G]							
		[H]							
		[I]							
		[J]							
		[K]							
		[L]							
		[M]							
		[N]							

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LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
33	33		1300229-00	100.0 .25 W 5.0 % CC	5		R37, R43, R47, R57, R65
33	33		1300250-00	150.0 .25 W 5.0 % CC	3		R1, R34, R35
33	33		1300271-00	220.0 .25 W 5.0 % CC	3		R32, R56, R64
33	33		1300295-00	*** THIS ITEM IS NOT USED ***	1		R38
33	33		1300316-00	470.0 .25 W 5.0 % CC	1		R66, R67
33	33		1300354-00	750.0 .50 W 5.0 % CC	2		R2, R4, R6, R7, R10, R13, R16, R28, R30,
34	34		1300365-00	1.0 K .25 W 5.0 % CC	12	CONT	R33, R53
35	35		1300447-00	4.70 K .25 W 5.0 % CC	5		R59, R61, R27, R41
36	36		1300479-00	10.0 K .25 W 5.0 % CC	9	CONT	R15, R17, R18, R22, R23, R39, R42, R43,
37	37		1300488-00	12.0 K .25 W 5.0 % CC	3		R70
37	37		1300539-00	120.0 K .25 W 5.0 % CC	1		R58, R62, R68
37	37		1301322-00	180.0 .25 W 5.0 % CC	1		R19
40	40		1301424-00	680.0 .25 W 5.0 % CC	2		R12
41	41		1302177-00	47.0 K .25 W 5.0 % CC	4		R36, R71
41	41		1302388-00	*** THIS ITEM IS NOT USED ***	1		R40, R49, R50, R54
41	41		1302391-00	20.0 K .25 W 5.0 % CC	1		R69
41	41		1302394-00	30.0 K .25 W 5.0 % CC	4		R25, R26, R45, R46
41	41		1302396-00	150.0 K .25 W 5.0 % CC	1		R21
41	41		1302397-00	180.0 K .25 W 5.0 % CC	1		R29
41	41		1302398-00	470.0 K .25 W 5.0 % CC	3		R14, R20, R24
41	41		1303313-00	12.10 K .25 W 1.0 % RN55D-F10	1		R63
41	41		1305125-00	383.0 .25 W 1.0 % RN55D-F10	2		R5, R11
41	41		1309143-07	1.0 K .75 W 10.0 % POT	1		R31
41	41		1309422-00	5.10 .25 W 5.0 % CC	2		R8, R9
41	41		1311522-00	200.0 .25 W 5.0 % CC	2		R51, R52
41	41		1312628-00	R NETWORK 14-176.5 14-375 16PIN	2		E47, E101
41	41		1312628-01	R NETWORK 14-176.5 14-375 16PIN	2		E58, E89
41	41		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1		Q1
41	41		1601562-00	1.0 UH 10% 475MA #001.00	1		L1
41	41		1601759-00	33 UH 5% 300MA	1		L2
41	41		1612463-00	DELAY= 150NS 10TAPS	1		E108
41	41		1811660-33	OSCILLATOR, XTAL 2.7648 MHZ	1		E57
41	41		1905547-00	7474 FF-D DUAL, EDGE TRIGG	2		E77, E78
41	41		1909705-00	DEC 8881 NAND GATE-QUAD 2IN 0	2		E68, E83
41	41		1910010-00	DEC 2501 16 DIODE ARRAY, CORE	1		E118
41	41		1912811-00	LS21 AND GATE-DUAL 4IN, PO	1		E82
41	41		1910532-00	74500 NAND GATE-QUAD 2IN	1		E29
41	41		1910534-00	74504 INVERTER GATE-HEX 1I	2		E44, E85
41	41		1910536-00	74510 NAND GATE-TRIPLE 3IN	1		E30
41	41		1910537-00	74511 AND GATE-TRIPLE 3INP	3		E55, E81, E112
41	41		1910544-00	74574 FF-D DUAL, EDGE TRIGG	3		E54, E76, E103
41	41		1910550-00	745174 FF-D HEX	1		E38
41	41		1910957-00	745175 FF-D QUAD COMMON CLO	2		E26, E42
41	41		1911116-00	DEC 8837 RECEIVER, BUS, HEX, UN	1		E70
41	41		1911324-00	7414 INVERTER, HEX 1IN SCH	3		E88, E105, E128
41	41		1911469-00	DEC 8640 RECEIVER, BUS, QUAD, U	2		E60, E73

D	I	G	I	T	A	L	TITLE	11/24 CPU	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M7133-0-DBP	F

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					GO		
74	74		1911579-00	8641 TRANSCEIVER,BUS,QUA	11		E35,E36,E48,E49,E52,E30,E90-E92, CONT E95,E102
75	75		1911637-00	74132 NAND GATE-QUAD 2 IN	1		E87
76	76		1911675-00	745138 DECODER/DEMUX 3-8 LIN	2		E45,E106
77	77		1912048-05	7812 VOLT REG.FIX +12V	1		Q2
78	78		1912108-00	339 VOLT CMPRTR,QUAD	1		E61
79	79		1912388-00	74502 NOR GATE-QUAD 2IN,PO	2		E56,E84
80	80		1912388-00	74506 AND GATE-QUAD 2IN,PO	2		E40,E74
81	81		1912647-00	LS257 MUX 1 OF 2 (QUAD)	1		E127
82	82		1912649-00	LS75 LATCH 4BIT,BISTABLE	1		E34
83	83		1912730-00	003 INTERRUPT,2 CIRCUIT	2		E114,E115
84	84		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2		E72,E96
85	85		1912803-00	74LS04 INVERTER GATE,HEX	2		E66,E98,E122
86	86		1912805-00	LS08 AND GATE-QUAD 2IN,PO	3		E79,E86,E94
87	87		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1		E33
88	88		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1		E63
89	89		1912816-00	LS32 OR GATE-QUAD 2IN,POS	2		E25,E71
90	90		1912824-00	LS74 FF-D DUAL EDGE TRIGG	1		E67
91	91		1912837-00	LS123 ONE SHOT-DUAL,RETRIG	3		E62,E99,E126
92	92		1912842-00	LS138 DECODER-THREE INPUT	2		E46,E113
93	93		1912850-00	LS164 SHIFT REG. 8BIT SERI	1		E100
94	94		1912851-00	LS169 COUNTER,SYNCH. UP/DO	1		E123
95	95		1912859-00	LS258 MUX 1 OF 2 (DUAL),	1		E129
96	96		1912863-00	LS273 FF-D OCTAL W/CLEAR	2		E14,E43
97	97		1913294-00	93S16 COUNTER,SYNCH UP BIN	1		E41
98	98		1913340-00	74S32 OR GATE-QUAD 2IN	2		E64,E104
99	99		1913462-00	74S240 OCTAL BUFFER,INVERTI	10		CONT E12,E13,E22-E24,E53,E69,E116, E121,E59
100	100		1913671-00	74S374 FF-D OCTAL TRISTATE	1		E51
101	101		1913777-00	LS240 DRIVER,LINE,OCTAL,T	5		E17,E20,E37,E50,E132
102	102		1914085-00	74S260 NOR GATE-DUAL,POS	1		E75
103	103		1914087-00	8098 BUFFER GATE-HEX 2IN,	2		E110,E111
104	104		1914845-00	2918 FF-D QUAD TRI-STATE	4		E15,E27,E28,E31
105	105		1915193-00	LS244 DRIVER,LINE,OCTAL,T	6		E18,E21,E1,E9,E10,E32
106	106		1915367-00	74276 FF-JK QUAD	2		E65,E117
107	107		1915415-00	9636 DRIVER,DUAL EIA RS-	2		E107,E119
108	108		1915416-00	9637 RECEIVER,DUAL,RS-42	2		E120,E125
109	109		1916028-01	9643 DRIVER,TTL TO MOS,D	1		E16
110	110		1916139-00	74LS126A DRIVER,BUS,QUAD	1		E11
111	111		2112623-02	DUAL BAUD RATE GEN/PROG DIVIDER	1		E133
112	112		2111450-00	UART 40K BAUD VARIATION OF 19-10	2		E130,E131
113	113		2115542-01	DC 304 F11 MMU,FLOAT PT REG	1		E2
114	114		2306406-00	C6-01	1		E39
115	115		2305506-00	C6-01	1		E93
116	116		5700000-01	DAT/CTL HYBRID ASSY W/FP,DCF11-A	1		E3
117	121		9000024-01	EYELET,ROLL FLANGE .1210DX.192	12		
118	122		9009185-00	JUMPER,WIRE,INSULATED,BLACK 8	5		W1,W3,W10,W12,W14
119	124		1300005-10	R NETWORK 15-560 5.0 % 16PIN	1		E19

D	I	G	I	T	A	L	TITLE	11/24 CPU	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M7133-0-DBP	F

AUTOMATED BY PRTLST.3L(36)

PARTS LIST

SHEET A4 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
120	125		7414765-00	HEATSINK	1	
121	126		9006010-01	SCREW,PAN,PHIL 4-40X 5/16 SS	1	
122	127		9008268-00	COMPOUND, THERMAL JOINT	1	
123	128		9009149-00	PIN, STAKING, P.C. BOARD, .025 X	2	TP1,TP2
124	129		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
125	130		9107688-55	WIRE(WRAP)24AWG UL1327	A/R	
126	131		1309995-00	56.0 .50 W 5.0 % CC	1	R55

D	I	G	I	T	A	L	TITLE	11/24 CPU	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M7133-0-DBP	F

ME 1 MS# 170164A

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DUA G7273-0-0 *

G7273 5013871A

G7273 5013871A

digital

digital

SIDE 1

SIDE 1

CS*ABCDEFGHIJKL

CS*ABCDEFGHIJKL

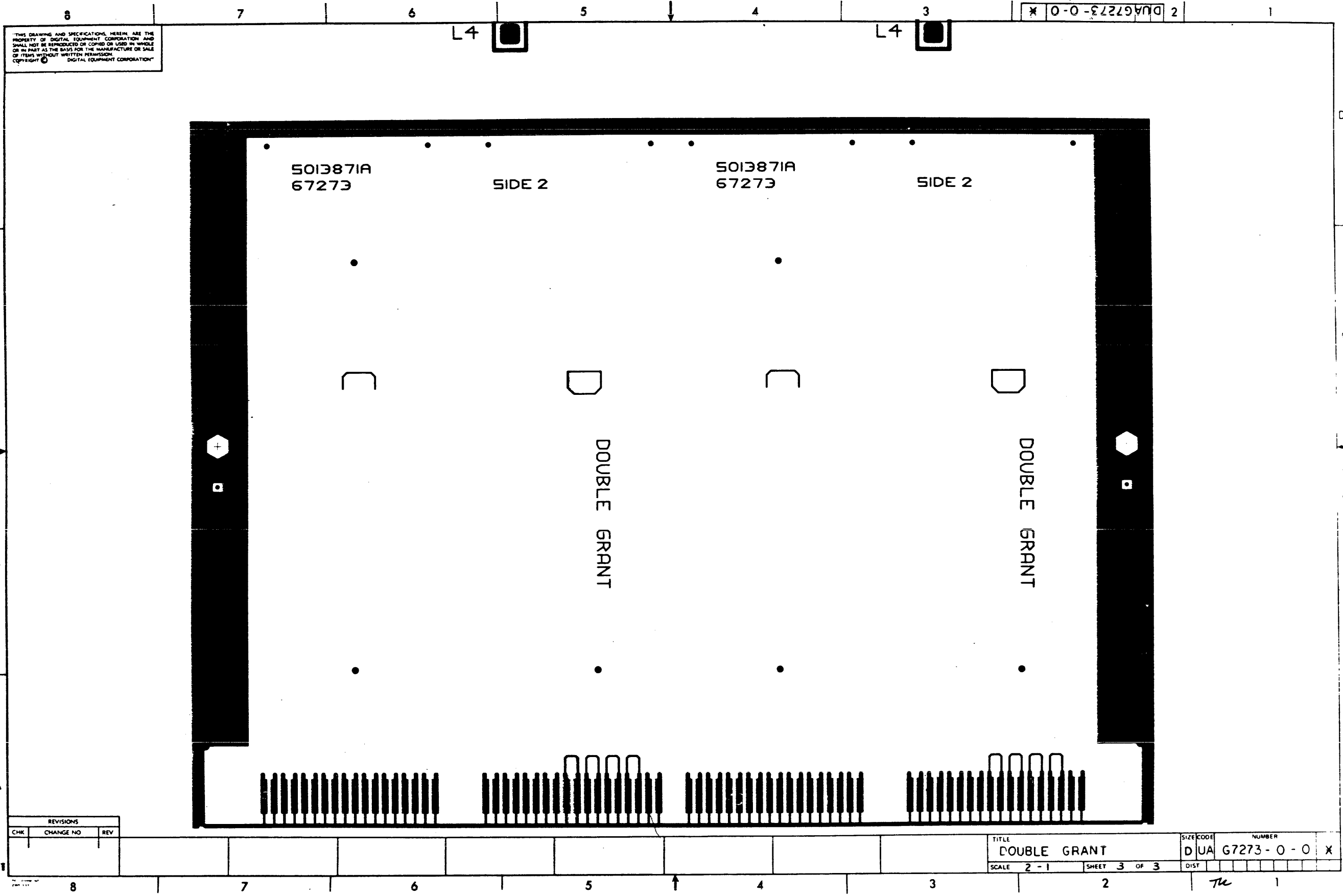
NPG AND BUS GRANT
CONTINUITY

NPG AND BUS GRANT
CONTINUITY

REVISIONS		
CHK	CHANGED BY	REV

DOUBLE GRANT
SCALE 2-1
SHEET 2 OF 3

SIZE CODE
DUA
NUMBER
G7273-0-0
REV.
*



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REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE/CODE	NUMBER	
DOUBLE GRANT		D UA	G7273 - 0 - 0 X	
SCALE	2 - 1	SHEET	3 OF 3	DIST

AUTOMATED BY PRTLST.3L(32)

P A R T S L I S T

SHEET A1 OF A1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	PFR VARIATION
1	1	D-MD-5013871-0-0	5013871-00	(11/24) BOARD FOR G7273	1	
2	2		9006732-00	FYFLET, ROLLED FLANGE, .121 OD X	4	
3	3		9008337-01	HANDLE, FLIP CHIP, GREEN	2	

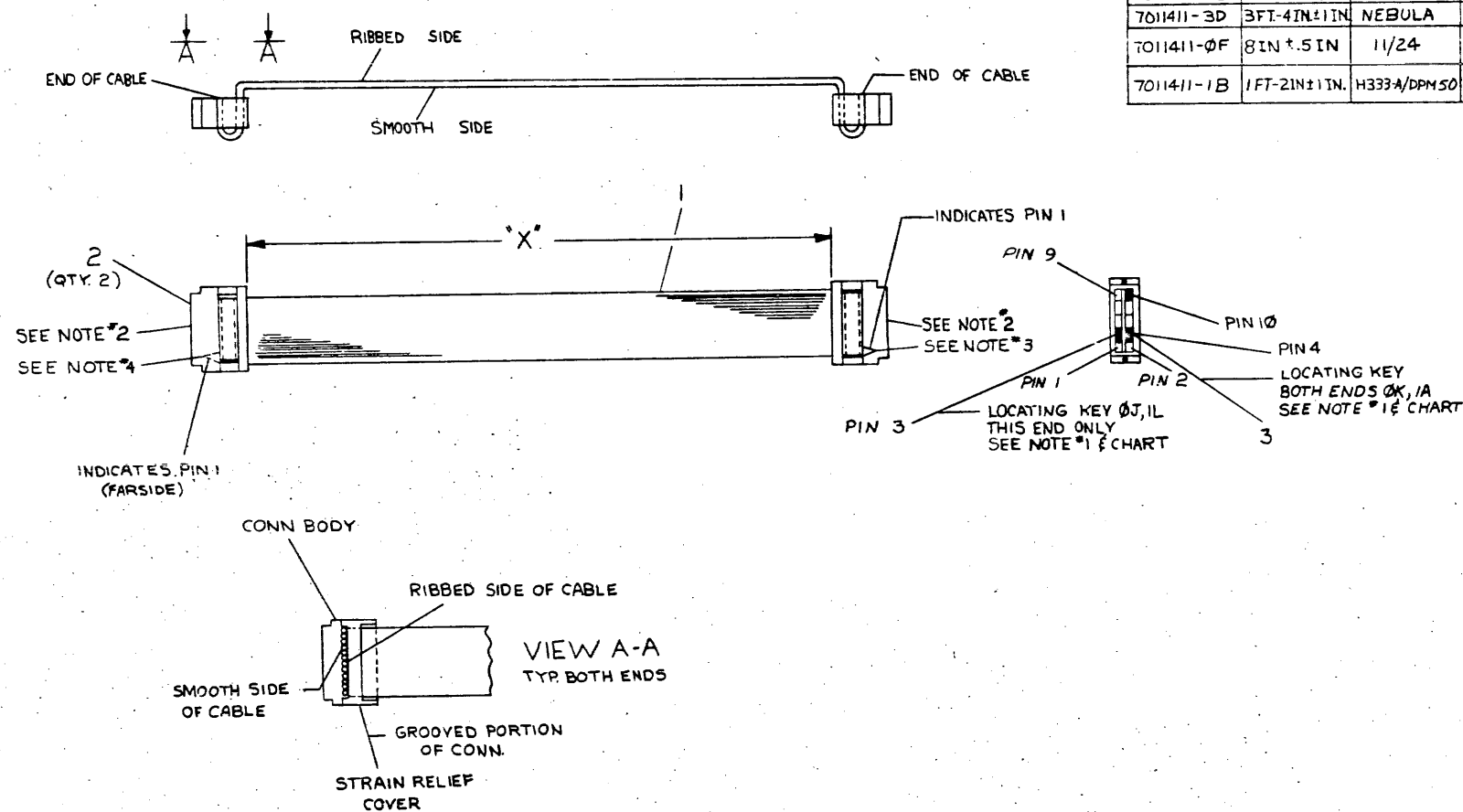
REVISION HISTORY		BASIC PART NO: G7273		DRN: F.SMART	DATE: 18-JUL-79	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: F.GAFOFALO	DATE: 18-JUL-79	TITLE PARTS LIST			
---	INITIAL	*	SECTION. VARIATION INDEX			DOUBLE GRANT			
			[A] 00						
			[B]	DES.ENG.: P.GRUDA	DATE: 5-MAY-80				
			[C]			DOCUMENT NUMBER			
			[D]	RESP.ENG.: P.GRUDA	DATE: 5-MAY-80	SIZE	CODE	NUMBER	REV
			[E]						
			[F]	MFG.ENG.: G.ABREU	DATE: 5-MAY-80	K	PL	G7273-0-DBP	*
ASSEMBLY NUMBER:				TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
D-UA-G7273-0-0				B-DD-G7273-0-0		Z1264.PLS		4	
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TW

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LEGEND			
NUMBER	DIM. & VARIATION	USED ON	KEY PIN
7011411-0J	8 IN ± .5 IN.	BA11-L OR K	10 ONE END
7011411-0K	9 IN ± .5 IN.	LS1-11	BOTH ENDS
7011411-1D	1 FT. 4 IN ± 1 IN.	KY11-LB	
7011411-2D	2 FT. 4 IN ± 1 IN.	BA11-F/DO/PPF	70 ONE END
7011411-0H	7 IN ± .5 IN.	H790, 1, 2, 3	
7011411-1J	1 FT. 8 IN ± 1 IN.	1104/34-7A	
7011411-1L	1 FT. 10 IN ± 1 IN.	BA11-L, H777	PIN 3 1 END
7011411-1A	1 FT. 1 IN ± 1 IN.	H787	BOTH ENDS
7011411-3J	3 FT. 8 IN ± 1 IN.	BA11-K, H785	
7011411-2J	2 FT. 8 IN ± 1 IN.	BA11-K, H785	NO KEY
7011411-5F	5 FT. 6 IN ± 1 IN.	1160	8 ONE END
7011411-12	12 FT. ± 3 IN.	KA570	
7011411-7	7 FT. ± 2 IN.	11780	
7011411-1C	1 FT. 3 IN ± 1 IN.	VT103	SEE NOTES 3 AND 4
7011411-2	2 FT. ± 1 IN.	VT103	SEE NOTES 3 AND 4
7011411-0E	5 IN ± .5 IN.	NEBULA	BOTH ENDS
7011411-3D	3 FT. 4 IN ± 1 IN.	NEBULA	BOTH ENDS
7011411-0F	8 IN ± .5 IN.	11/24	PIN 3 ONE END PIN 6 ONE END
7011411-1B	1 FT. 2 IN ± 1 IN.	H333A/DPM50	4 BOTH ENDS

- NOTES:
1. INSERT KEY IN PROPER CONNECTOR PIN AND BREAK OFF TAB.
 2. FOR ITEM (2) DRAWING IS SHOWING 3M CONNECTOR.
 3. FOR -1C AND -2 VARIATIONS, KEY PIN 6.
 4. FOR -1C AND -2 VARIATIONS, KEY PIN 5.



REV.	CHG.	NO.	DATE	BY	CHK.	APP.
1		1	10/11/75	W. BAPTIST		
2		2	11/13/75	CH. D. HEALY		
3		3	12/17/75	ENG. R. BARRY		
4		4	1/12/76	PROJ. ENG. R. BARRY		
5		5	1/12/76	PROD. R. PETERSON		
6		6	1/12/76			
7		7	1/12/76			
8		8	1/12/76			
9		9	1/12/76			
10		10	1/12/76			
11		11	1/12/76			
12		12	1/12/76			
13		13	1/12/76			
14		14	1/12/76			
15		15	1/12/76			
16		16	1/12/76			
17		17	1/12/76			
18		18	1/12/76			
19		19	1/12/76			
20		20	1/12/76			
21		21	1/12/76			
22		22	1/12/76			
23		23	1/12/76			
24		24	1/12/76			
25		25	1/12/76			
26		26	1/12/76			
27		27	1/12/76			
28		28	1/12/76			
29		29	1/12/76			
30		30	1/12/76			
31		31	1/12/76			
32		32	1/12/76			
33		33	1/12/76			
34		34	1/12/76			
35		35	1/12/76			
36		36	1/12/76			
37		37	1/12/76			
38		38	1/12/76			
39		39	1/12/76			
40		40	1/12/76			
41		41	1/12/76			
42		42	1/12/76			
43		43	1/12/76			
44		44	1/12/76			
45		45	1/12/76			
46		46	1/12/76			
47		47	1/12/76			
48		48	1/12/76			
49		49	1/12/76			
50		50	1/12/76			

1	TIE, CABLE	9007031	5
1	LABEL, CABLE IDENT	9009532	4
AR	KEY	9009707	3
2	CONN. CRIMP	1211206-02	2
AR	CABLE, 10 CONDUCT	9107747-02	1

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
7011411-0-0	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	ANGLES ± 30°		
	CLASS OF ACCURACY		
	SURFACE QUALITY		
	MICROINCHES		
	PREFERRED		

DR. W. BAPTIST	5-20-75	FIRST USED ON	SEE LEGEND
CHK. D. HEALY	6-13-75	TITLE	CABLE CONSOLE BACKPLANE
ENG. R. BARRY	6-12-75	SIZE	CODE D 1A
PROD. R. PETERSON	6-9-75	NUMBER	7011411-0-0
		REV.	V

MATERIAL	SEE PARTS LIST	SCALE	NONE
FINISH		SHEET	1 OF 1

DO NOT SCALE DWG.

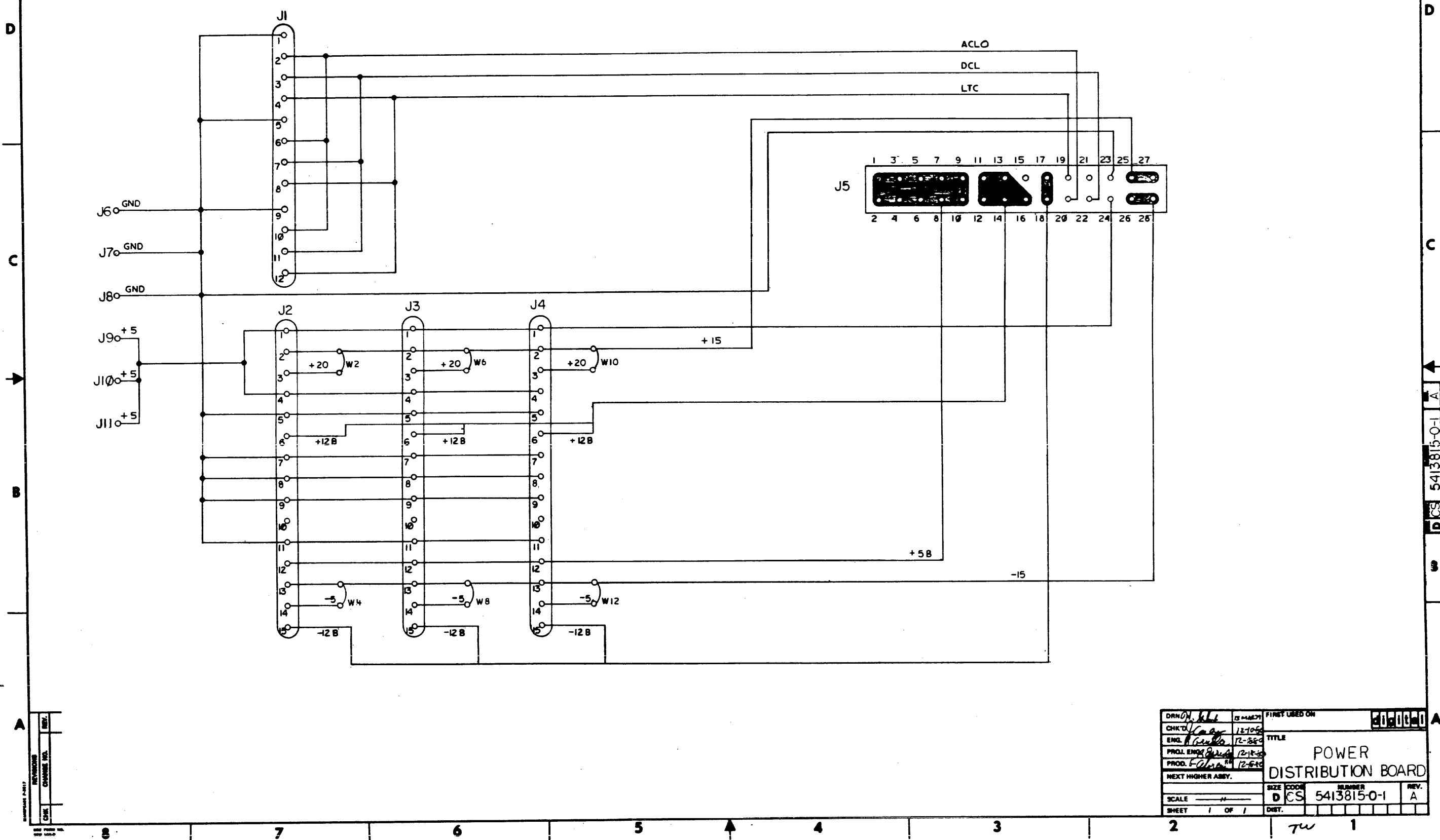
REMOVE BURRS AND BREAK SHARP CORNERS

THIRD ANGLE PROJECTION

7W 1

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5413815-0-1 2



DRN'D	12-10-69	FIRST USED ON	41-00-00
CHK'D	12-10-69	TITLE	POWER DISTRIBUTION BOARD
ENG'D	12-25-69	SIZE	D
PROJ. ENG'D	12-18-69	CODE	CS
PROD. ENG'D	12-25-69	NUMBER	5413815-0-1
NEXT HIGHER ASBY.		REV.	A
SCALE	1 OF 1	DIST.	
SHEET			

AUTOMATED BY PRTLST,3L,31)

P A R T S L I S T

SHEET A1 OF A1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1		5013814-00	EXPANSION DIST BOARD	1	
2	2		1209350-15	MATE-N-LOK 15POS COMM HSG,SKT	3	J2,J3,J4
3	3		1209350-06	*** THIS ITEM IS NOT USED ***	-	
4	4		1216112-01	HEADER,100 28POS RT ANGLE	1	J5
5	5		1214809-01	INSERT,W/O INTERNAL THREADS,THRU	6	J6-J11
6	6		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	6	W2,W4,W6,W8,W10,W12
7	7		1209456-01	MATE-N-LOK SKT COMM PC MTG LOOSE	45	
8	8		9107786-00	*** THIS ITEM IS NOT USED ***	-	
9	9		1216652-00	CONN 12POS STRAIGHT	1	J1

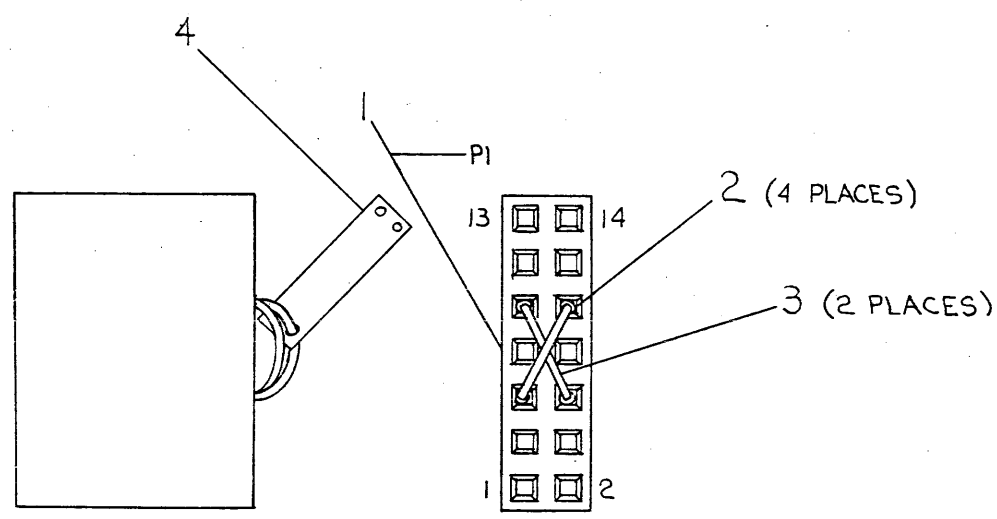
REVISION HISTORY		BASIC PART NO: 5413815		DRN: J.CASEY	DATE: 18-DEC-80	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A			TITLE PARTS LIST			
---	INITIAL	A	SECTION VARIATION INDEX	CHK'D: J.FERGUSON	DATE: 18-DEC-80	POWER DISTRIBUTION BOARD			
			[A] 00						
			[B]						
			[C]	DES.ENG: P.SILVER	DATE: 18-DEC-80				
			[D]						
			[E]						
			[F]	RESP.ENG.: P.GRUDA	DATE: 18-DEC-80	DOCUMENT NUMBER			
			[H]						
			[J]						
			[K]	MFG.ENG.: G.ABREU	DATE: 18-DEC-80	K	PL	5413815-0-DBP	REV A
			[L]						
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[N]	D-UA-5413815-0-0		Z1274A,PLS		11	
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WIRE TABLE							
ITEM NO.	DISCRIPTION		FROM		TO		WIRE LENGTH
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
3	22	YEL	PI-5	2	PI-10	2	2"
3	22	YEL	PI-6	2	PI-9	2	2"

NOTES:
1. 12-10089-06 MAY BE SUBSTITUTED FOR ITEM #2.



PIN INSERTION SIDE

1	LABEL, CABLE	9009532	4
A/R	WIRE 22AWG STRANDED YEL	9107350-44	3
4	CONN, SKT CRIMP	1210089-07	2
1	TERMINATOR, HSG 14 POS	1210918-30	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.	ITEM NO.
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
REMOVE BURRS AND BREAK SHARP CORNERS		NOMINAL DIMENSION RANGE INCHES			
DO NOT SCALE DWG		TITLE			
MATERIAL		FIRST USED ON			
SEE PARTS LIST		DLVII-J			
FINISH		CONNECTOR, TEST			
NONE		SIZE CODE NUMBER REV.			
		C UA H3270-0-0			
		SHEET 1 OF 1			

REV.	CHANGE NO.	CHK

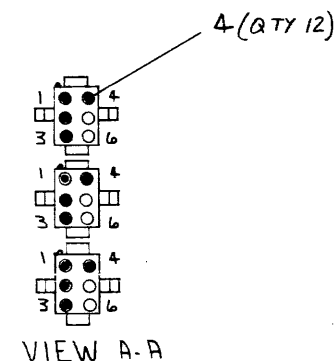
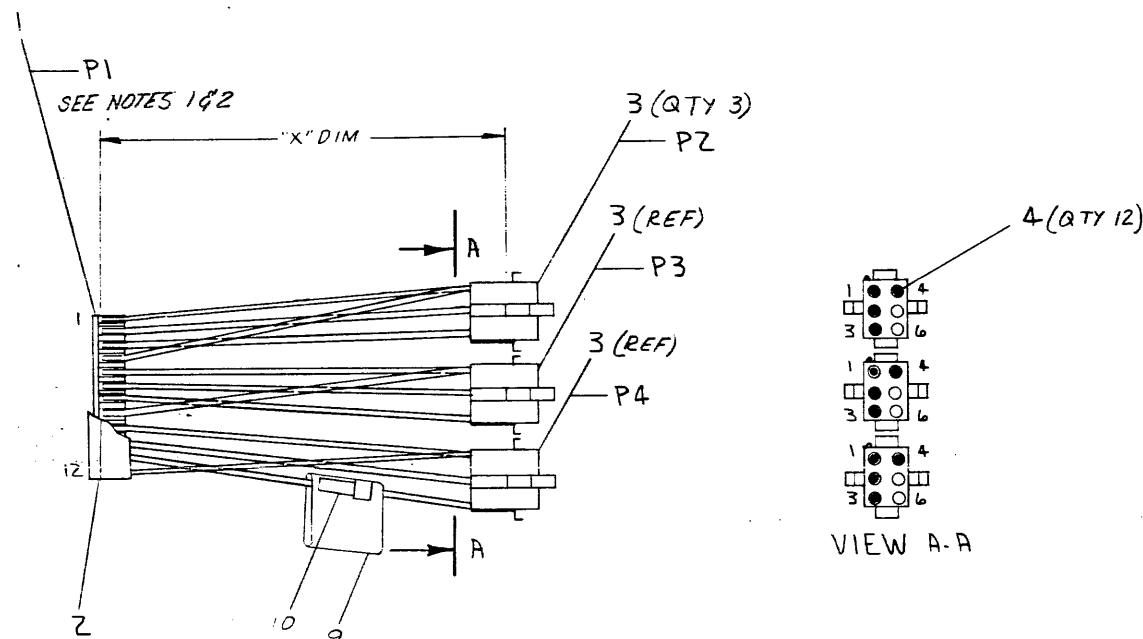
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WIRE TABLE						
ITEM NO	DESCRIPTION		FROM		TO	
	AWG	COLOR	CONN	TERM	CONN	TERM
5	18	BLK	P1-1		P2-1	4
6		YEL	P1-2		P2-4	
7		VIO	P1-3		P2-3	
8		BRN	P1-4		P2-2	
5		BLK	P1-5		P3-1	
6		YEL	P1-6		P3-4	
7		VIO	P1-7		P3-3	
8		BRN	P1-8		P3-2	
5		BLK	P1-9		P4-1	
6		YEL	P1-10		P4-4	
7		VIO	P1-11		P4-3	
8	18	BRN	P1-12		P4-2	4

LEGEND	
NUMBER	"X" DIM
7016887-0E	5.0 ± .5 IN

NOTES

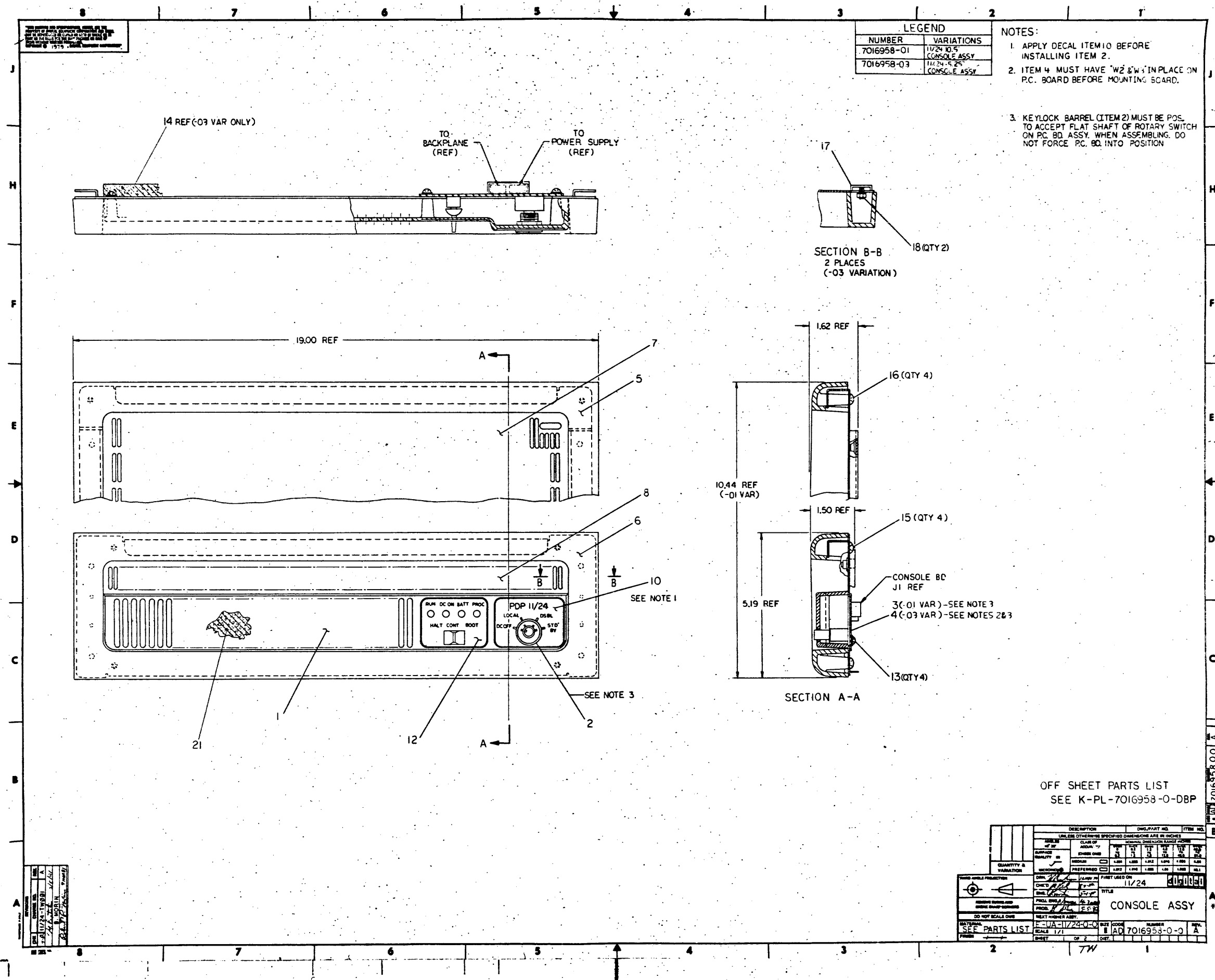
- WIRES TERMINATING TO P1 MUST NOT BE STRIPPED.
- PLACE COVER ITEM #2 OVER CONN HOUSING, ITEM #1, AFTER WIRES HAVE BEEN TERMINATED.
- STRIP WIRES ONLY ON P2, P3, P4 ENDS .187 BEFORE CRIMPING CONTACTS.
- ITEM #4 CAN BE SUBSTITUTED BY P/N 12-09379-00 FOR MACHINE CRIMPING.

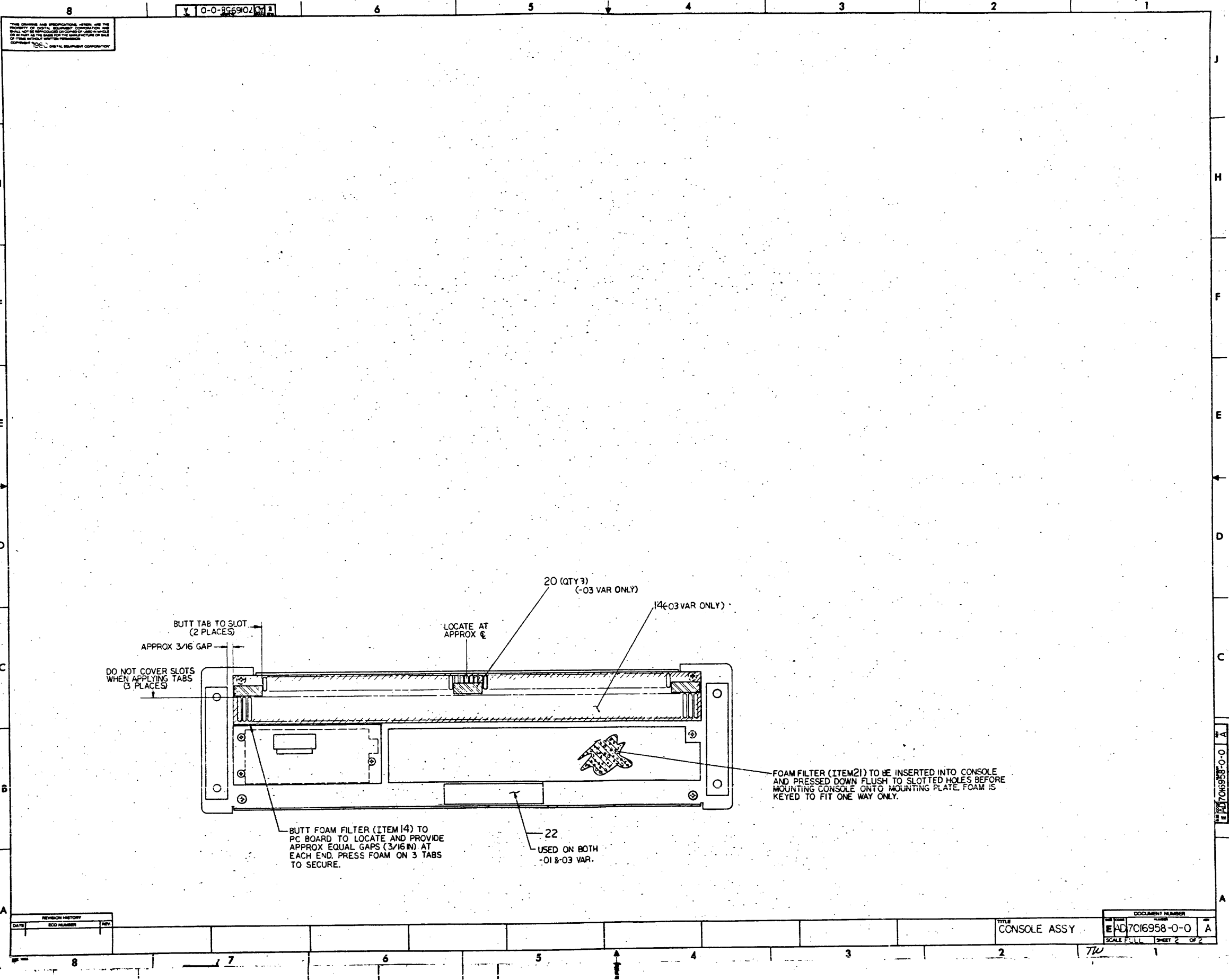


1	TIE, CABLE SST 1-M	9007031-00	10
1	LABEL, CABLE IDENTIFICATION	9009532-00	9
15"	WIRE, 18 AWG, BRN, UL 1430	9107786-11	8
15"	WIRE, 18 AWG, VIO, UL 1430	9107786-77	7
15"	WIRE, 18 AWG, YEL, UL 1430	9107786-47	6
5"	WIRE, 18 AWG, BLK, UL 1430	9107786-00	5
12	SKT, MATE-N-LOC, 20-14 AWG	1209379-D1	4
3	CONN, 6 PIN MATE-N-LOC	1209350-D6	3
1	COVER, 12 PIN MTA CONN	1216650-00	2
1	CONN, HOUSING 12 POS MTA	1216651-00	1

DESCRIPTION		DWG./PART NO.	ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES 15° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES				
SURFACE QUALITY	(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 80.0
IN	MEDIUM	±.004	±.008	±.012	±.016	±.024
MICROINCHES	PREFERRED	±.012	±.016	±.024	±.032	±.048
QUANTITY & VARIATION	FIRST USED ON					
THIRD ANGLE PROJECTION	BA11-A					
REMOVE BURRS AND BREAK SHARP CORNERS	TITLE					
DO NOT SCALE DWG	CABLE JUMPER ASSEMBLY					
MATERIAL	SIZE					
FINISH	CODE					
	NUMBER					
	REV.					
	DIST.					

REVISIONS	
NO.	DESCRIPTION
1	INITIALS
2	DATE
3	BY
4	CHK
5	APP
6	DATE
7	BY
8	CHK
9	APP
10	DATE
11	BY
12	CHK
13	APP
14	DATE
15	BY
16	CHK
17	APP
18	DATE
19	BY
20	CHK
21	APP
22	DATE
23	BY
24	CHK
25	APP
26	DATE
27	BY
28	CHK
29	APP
30	DATE
31	BY
32	CHK
33	APP
34	DATE
35	BY
36	CHK
37	APP
38	DATE
39	BY
40	CHK
41	APP
42	DATE
43	BY
44	CHK
45	APP
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72	CHK
73	APP
74	DATE
75	BY
76	CHK
77	APP
78	DATE
79	BY
80	CHK
81	APP
82	DATE
83	BY
84	CHK
85	APP
86	DATE
87	BY
88	CHK
89	APP
90	DATE
91	BY
92	CHK
93	APP
94	DATE
95	BY
96	CHK
97	APP
98	DATE
99	BY
100	CHK





LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					01	03
1	1	E-IA-7424269-0-0	7424269-00	CONSOLE INSERT	1	1
2	2	A-PS-1216178-0-0	1216178-00	LOCK, PLASTIC 4POS ASSY	1	1
3	3	D-UA-5414441-0-0	5414441-00	11/24 CONSOLE	1	0
4	4	D-UA-5413885-0-0	5413885-02	CONSOLE MODULE, 2 JUMPERS	0	1
5	5	E-PS-1217094-0-0	1217094-00	BEZEL, PLASTIC 11-44	1	0
6	6	E-IA-7424270-0-0	7424270-00	BEZEL	0	1
7	7	E-IA-7423578-0-0	7423578-00	PLATE, MOUNTING 10.5	1	0
8	8	E-IA-7423577-0-0	7423577-00	PLATE MTG 5.25	0	1
9	9	BLANK		*** THIS ITEM IS NOT USED ***	-	-
10	10	A-PS-3617320-0-0	3617320-00	LABEL, LEGEND STRIP KE	1	1
11	11	BLANK		*** THIS ITEM IS NOT USED ***	-	-
12	12	A-PS-3617324-0-0	3617324-00	LABEL, LEGEND STRIP PDP 11/24 LED	1	1
13	13		9009984-02	SCREW, SEMS, PHILLIPS PAN HD. 6-	4	4
14	14	A-PS-1217665-0-0	1217665-02	FILTER, FOAM 5PPI 16.60 X 1.85 X	0	1
15	15		9009545-01	SCREW, PAN, PHIL, SEMS 8-32X 1/2	0	4
16	16		9010119-00	SCREW, PHILLIPS TRUSS HD, 10-32	4	4
17	17	B-IA-7423576-0-0	7423576-00	BAR ADPT.	0	2
18	18		9006560-00	NUT, KEP, 6-32 X5/16AF	0	4
19	19	BLANK		*** THIS ITEM IS NOT USED ***	-	-
20	20	B-MD-7424246-0-0	7424246-00	TAPE HOOK ADHESIVE BACK	0	3
21	21		1217665-01	FILTER, FOAM 11.5X1.85X1/2 5PPI	1	1
22	22		9009255-00	LABEL, POWER SUPPLY, 2-15/16 " L	1	1

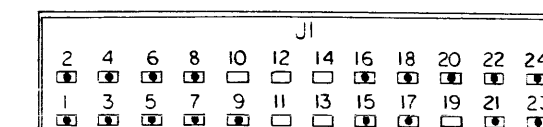
REVISION HISTORY			BASIC PART NO: 7016958			D I G I T A L				
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	M. BAPTISTE	DATE: 11-FEB-81				
---	INITIAL	A	SECTION, VARIATION INDEX	CHK'D:	R. J. RILEY	DATE: 11-FEB-81	TITLE PARTS LIST			
---	INITIAL	A	[A] 01,03				CONSOLE ASSEMBLY			
RM	11/24-TW001	A								
RM	11/24-TW001	A	[B]	DES.ENG.:	R. MORIN	DATE: 11-FEB-81				
			[C]				DOCUMENT NUMBER			
			[D]	RESP.ENG.:	R. MORIN	DATE: 11-FEB-81	SIZE	CODE	NUMBER	REV
			[E]	MFC.ENG.:	R. GRUDA	DATE: 11-FEB-81	K	PL	7016958-0-DBP	A
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:			EDIT #
				E-AD-7016958-0-0		E-UA-1124-0-0	Z0700.PLS			45
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[illegible]

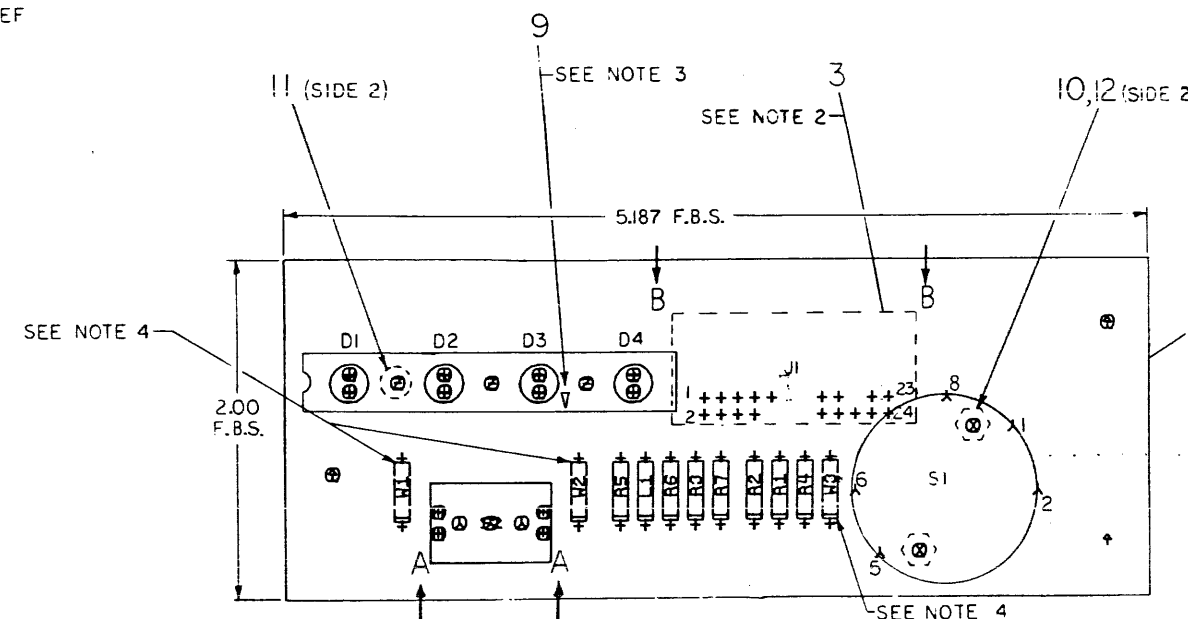
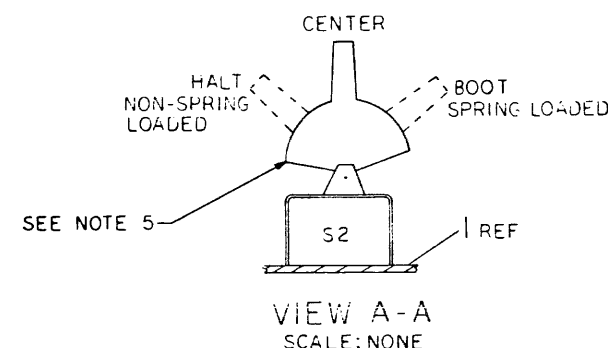
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COMPONENT SIDE VIEW



NOTE:
□ - NO PIN INSERTED IN CONNECTOR
■ - PIN INSERTED IN CONNECTOR

VIEW B-B
SCALE: NONE



- NOTES:
1. STEP & REPEAT 2ML 33.
 2. J1 CONNECTOR IS MOUNTED ON SIDE 2.
 3. COMPONENT ORIENTATION MARK.
 4. JUMPER W1 IS USED ON VARIATION -00 & -01. W2 IS USED ON -00 & -02. W3 IS USED ON -00 & -02.
 5. MOUNT S2 W/SPRING LOAD POSIT. TOWARD S1.
- | STEP | Y AXIS | STEP | TIMES |
|------|--------|------|-------|
| 1 | 2.125 | 3 | 1 |
| 2 | 5.250 | 4 | 1 |

CHG	NO	REV

ETCH	REV.

SIGNATURES	DATE	TITLE
DRN. P. J. HARRIS	1/15/80	digital
CHK'D. E. T. GERRY	2-20-80	
MECH. ENG. R. J. GERRY	6/15/80	
PROJ. ENG. R. J. GERRY	6/15/80	
PROD. R. J. GERRY	6/15/80	
SCALE 2/1		
SHT. 1 OF 1		
NEXT HIGHER ASSY. B-DD-5413885-0		

SIZE	CODE	NUMBER	REV
D	UA	5413885-0-0	5

1 MS#170210C

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					00	01	02	
1	1	D-MD-5013884-0-0	5013884-00	DRILL AND ETCH BRD	1	1	1	
2	2		1110864-00	LED 2MCD@10MA	4	4	4	D1-D4
3	3		1213506-06	HEADER 6POS RT ANGLE	1	1	1	J1
4	4		1216180-00	SW,ROT 2P 4POS,45DEG. TH	1	1	1	S1
5	5		1216179-00	SW,LEVER 1P ON/OFF/ON	1	1	1	S2
6	6		1300229-00	100.0 .25 W 5.0 % CC	3	3	3	R1,R2,R7
7	7		1300316-00	470.0 .25 W 5.0 % CC	4	4	4	R6,R3-R5
8	8		1601562-00	1.0 UH 10% 475MA #DD1.00	1	1	1	L1
9	9		7413127-00	HOLDER REWORK LED (11/70)	1	1	1	
10	10		9006555-00	NUT,HEX , 2-56X3/16AF X 1/	2	2	2	
11	11		9009236-01	SCREW,TAPPING,TYPE F,PAN ,PHIL,	3	3	3	
12	12		9009321-00	LOCK TITE, SCREW LOCK, 10CC PER	A/R	A/R	A/R	
13	13		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	3	-	-	W1-W3
			CONT		-	1	-	W1
			CONT		-	-	2	W2,W3

REVISION HISTORY		BASIC PART NO: 5413885		DRN: J,CASEY	DATE: 20-FEB-80	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: E,T,GERRY	DATE: 20-FEB-80	TITLE		PARTS LIST	
---	INITIAL	B	SECTION VARIATION INDEX			CONSOLE MODULE			
			[A] 00,01,02						
			[B]						
			[C]	DES,ENG: D,LANDRY	DATE: 3-20-80				
			[D]						
			[E]						
			[F]	RESP,ENG: R,GRUDA	DATE: 5-JUNE-80			DOCUMENT NUMBER	
			[H]						
			[J]			SIZE CODE		NUMBER	REV
			[K]	MFG,ENG: G,ABREU	DATE: 5-JUNE-80	K	PL	5413885-0-DBP	B
			[L]						
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			[N]	D-UA-5413885-0-0		Z1267B,PLS		9	
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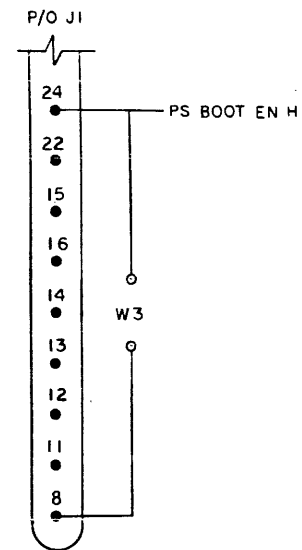
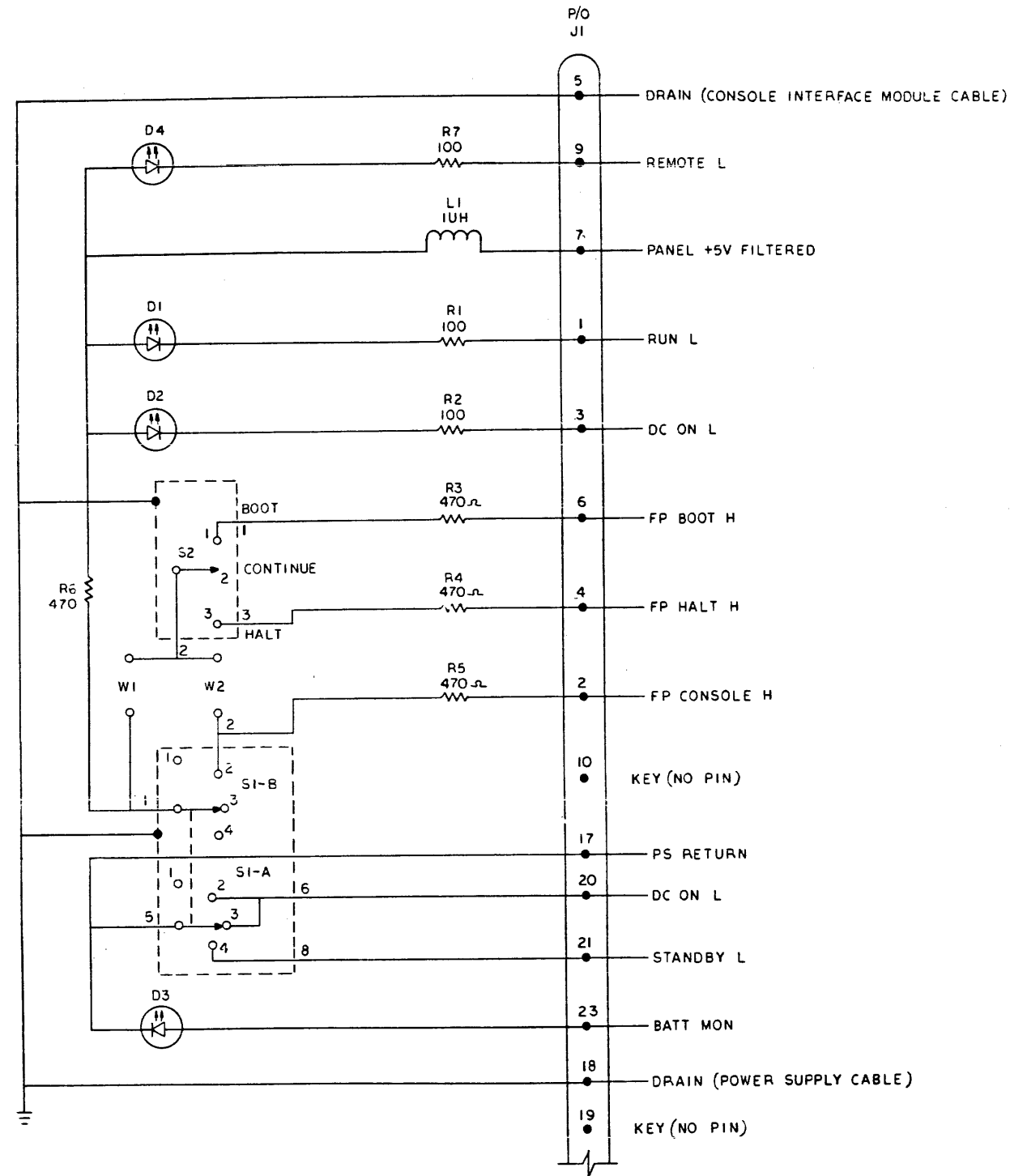
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W3	W2	W1	VARIATION
IN	IN	IN	CONSOLE MODULE 5413885-00
OUT	OUT	IN	CONSOLE MODULE 5413885-01
IN	IN	OUT	11/24 5413885-02

NOTE: THESE ARE THE ONLY CONFIGURATIONS OF THIS MODULE.

SI-	FUNCTION
A1	DC OFF
B1	NONE
A2	DC ON
B2	LOCAL
A3	DC ON
B3	LOCAL DISABLE
A4	STANDBY
B4	NONE



DRN. <i>[Signature]</i>	13 NOV 79	FIRST USED ON	11/24	digital
CHK'D <i>[Signature]</i>	4/7/80	TITLE	CONSOLE MODULE	
ENG. <i>[Signature]</i>	5-10-80	SIZE	D	
PROJ. ENG. <i>[Signature]</i>	6/5/80	NUMBER	5413885-0-1	
PROD. <i>[Signature]</i>		REV.	B	
NEXT HIGHER ASSY.				
D-UA-541-331-0-0				
SCALE <i>++</i>				
SHEET 1 OF 1				

AUTOMATED BY PHILST. 12:44)

PARTS LIST

SHEET A1 OF A1

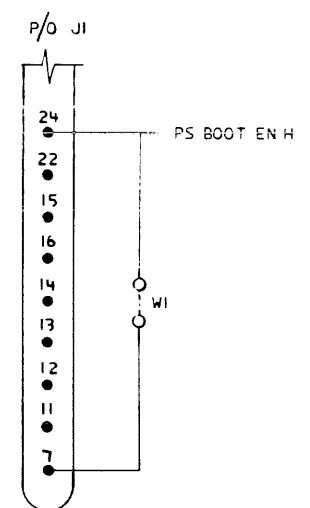
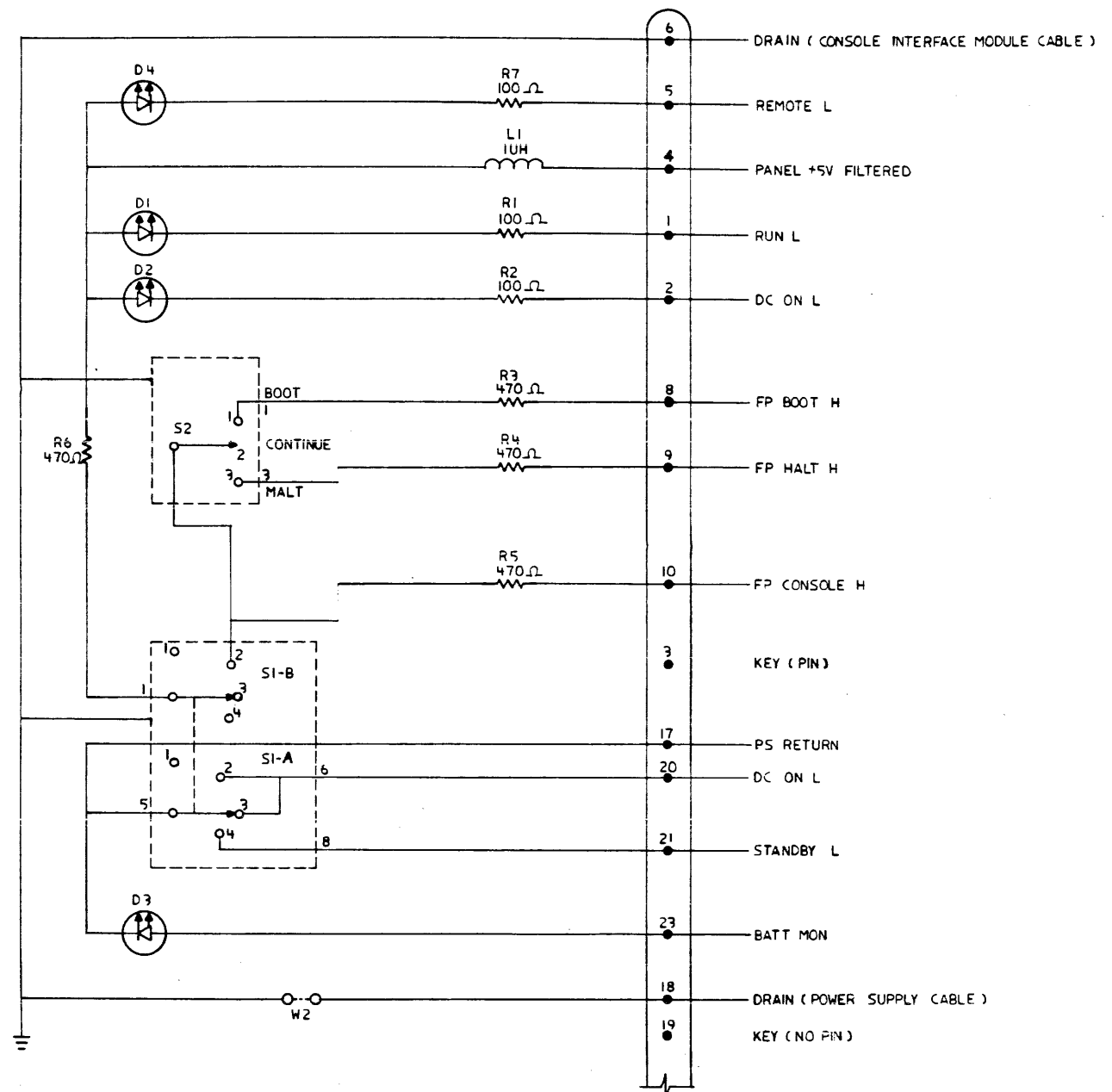
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-541441-0-0	5414441-00	DRILL AND ETCH BRD 11/24 CONSOLE	1	
2	2		1110864-00	LED 2MCD91PMA	4	D1-D4
3	3		1213506-09	HEADER 24POS RT ANGLE	1	J1
4	4		1216180-00	SW,ROT 2P 4POS,45DEG. TH	1	S1
5	5		1216179-00	SW,LEVER 1P ON/OFF/ON	1	S2
6	6		1300229-00	100.0 .25 W 5.0 % CC	3	R1,R2,R7
7	7		1300316-00	470.0 .25 W 5.0 % CC	4	R3-R5,R6
8	8		1601562-00	1.0 UH 10% 475MA #DD1.00	1	L1
9	9		7413127-00	HOLDER REWORK LED (11/70)	1	
10	10		9006555-00	NUT,HEX , 2-56X3/16AF X 1/	2	
11	11		9009236-01	SCREW,TAPPING,TYPE F,PAN ,PHIL,	3	
12	12		9009321-00	LOCK TITE, SCREW LOCK, 10CC PER	A/R	
13	13		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	*1,W2

REVISION HISTORY		BASIC PART NO: 5414441		DPN: J.CASEY	DATE: 18-DEC-80	D I G I T A L			
ENG: ECO NUMBER	REV	SECTION A OF A	CHK'D: E.T.GERRY	DATE: 18-DEC-80	TITLE PARTS LIST				
INITIAL	A	SECTION VARIATION INDEX	(A) 00		11/24 CONSOLE MODULE				
			(B)						
			(C)	DES.ENG: R.SILVER	DATE: 18-DEC-80				
			(D)						
			(E)						
			(F)	RESP.ENG.: R.GRUDA	DATE: 18-DEC-80	DOCUMENT NUMBER			
			(H)						
			(J)						
			(K)	MFG.ENG.: G.ABRUE	DATE: 18-DEC-80	SIZE	CODE	NUMBER	REV
			(L)			K	PL	5414441-0-DBP	A
			(M)	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
			(W)	ID-BA-5414441-0-0		21275A.PLS		4	
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SL	FUNCTION
A1	DC OFF
B1	NONE
A2	DC ON
B2	LOCAL
A3	DC ON
B3	LOCAL DISABLE
A4	STANDBY
B4	NONE



REVISION HISTORY	REV.
DATE	REV. NUMBER

DATE	6-18-80	TITLE	digital
DATE	6-29-80		
DATE	12-18-80		
DATE	12-18-80		
DATE	12-18-80		
DOCUMENT NUMBER		D CS 5414441-0-1	
D-UA-5414441-0-0		SCALE 1 OF 1	

