



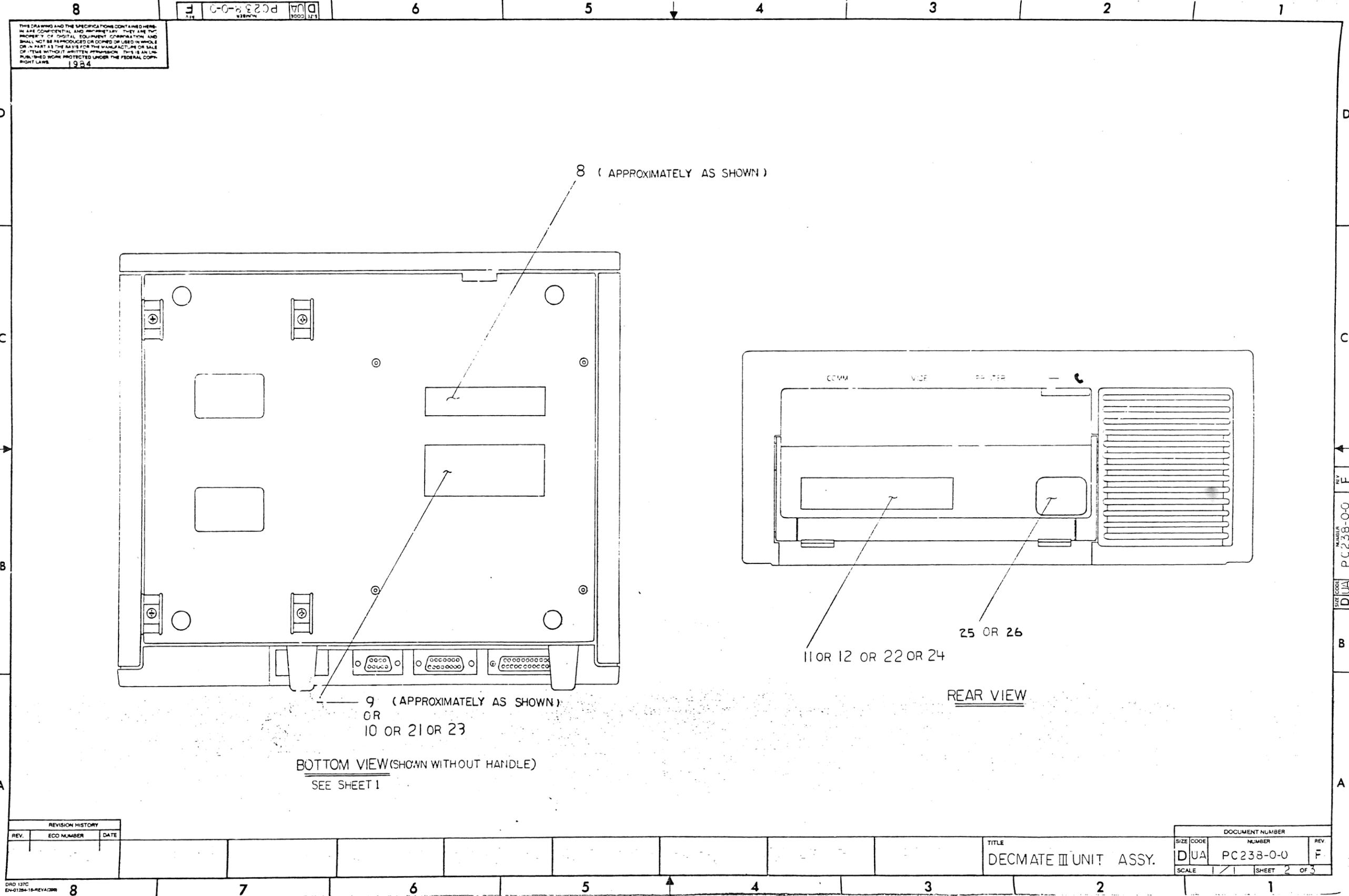






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1984

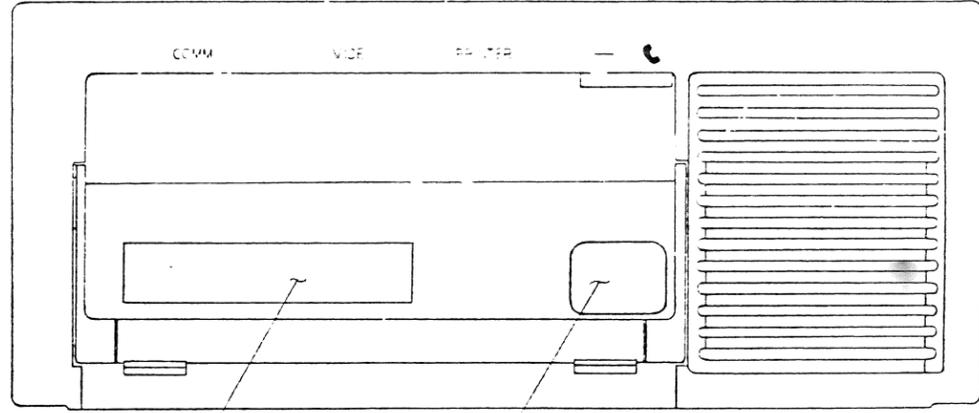
SIZE CODE DUA  
NUMBER PC238-0-0  
REV F



8 (APPROXIMATELY AS SHOWN)

9 (APPROXIMATELY AS SHOWN)  
OR  
10 OR 21 OR 23

BOTTOM VIEW (SHOWN WITHOUT HANDLE)  
SEE SHEET 1



11 OR 12 OR 22 OR 24  
25 OR 26

REAR VIEW

REVISION HISTORY		
REV.	ECO NUMBER	DATE

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV
DUA	PC238-0-0	F
SCALE	SHEET 2 OF 3	

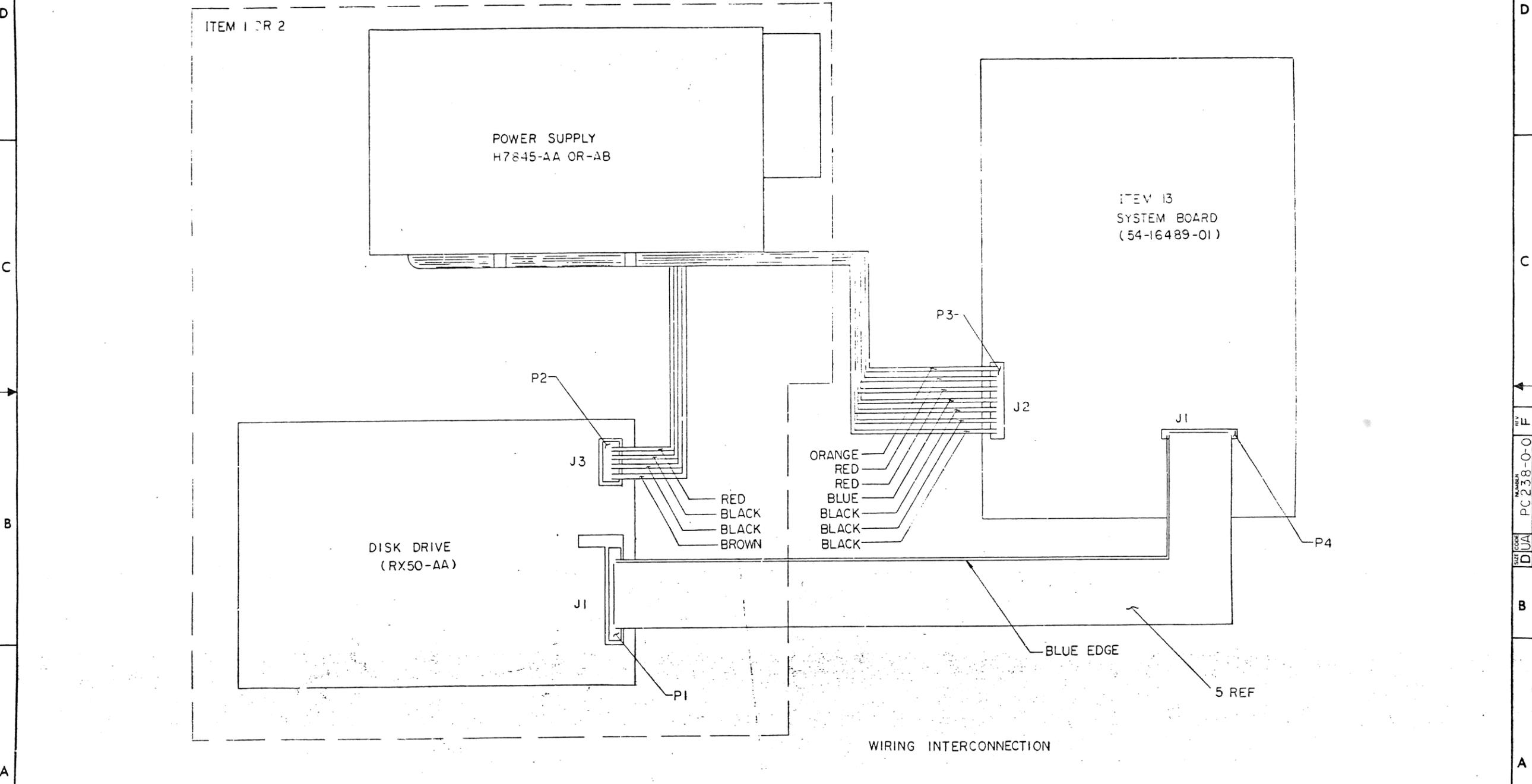
TITLE  
DECIMATE III UNIT ASSY.

DRD 137C  
EV-01294-16-REV A (29)



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SIZE CODE DUA PC238-0-0



REVISION HISTORY		
REV	ECO NUMBER	DATE

TITLE  
DECIMATE II UNIT ASSY.

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV
DUA	PC238-0-0	F
SCALE	NONE	SHEET 3 OF 3

DRD 137C  
EN-0124-16-REV A (1981)

SIZE CODE DUA PC238-0-0



LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	AA C2	AB C2	QUANTITY PER VARIATION/REVISION
1	#B-DD-BA25-H	BA25 -HA	B	5"H,12"W,11"D SMALL SYS ENCLOSURE	1	-	
2	#B-DD-BA25-H	BA25 -HB	B	5"H,12"W,11"D SMALL SYS ENCLOSURE	-	1	
3				*** THIS ITEM IS NOT USED ***	-	-	
4		17-00283-00	C	CABLE ASSY,07 COND,MOLD,SHLD 15S	1	1	
5		17-00285-00	B	CABLE ASSY,34 COND,FLAT (2X17)RE	1	1	
6		17-00300-00	A	CABLE ASSY,07 COND,MOLD,SHLD 25S	1	1	
7				*** THIS ITEM IS NOT USED ***	-	-	
8		36-18460-01	B	LABEL,BAR CODE BLANK .38 X1.5	1	1	
9	SEE 1 GEN	36-22854-01	A	LABEL,REGULATORY,DM III	A/R	-	
10	SEE 2 GEN	36-22854-02	A	LABEL,REGULATORY DM III CLASSIFIED	-	A/R	
11	SEE 1 GEN	36-22855-01	A	LABEL,S/N,POWER DM III	A/R	-	
12	SEE 2 GEN	36-22855-02	A	LABEL,S/N,POWER DMIII 220-240V	-	A/R	
13	#B-DD-5416489-0	54-16489-01	E	DECMATE ITT SYSTEM BD.	1	1	
14	#B-DD-5416506-0	54-16506-01	B	DECMATE III ADAPTER BD	1	1	
15				*** THIS ITEM IS NOT USED ***	-	-	
16	A-PA-3700789-0-0	37-00789-01	A	PKG SYSTEM BOX PC238-AA	1	1	
17				*** THIS ITEM IS NOT USED ***	-	-	
18		12-13802-00		SCREWDRIVER,FLAT BLADE 1/4"X71/2"	1	1	
19		47-00097-01	A	SCREWDRIVER,MINI,WHITE W/DEC LOGO	1	1	
20		12-23598-02	A	SCREW,PAN, WASHER 4-40	6	6	
21	SEE 3 GEN	36-22854-03	A	LABEL,REGULATORY,DECMATE III	-	A/R	
22	SEE 3 GEN	36-22855-03	A	LABEL,S/N,POWER DECMATE III	-	A/R	
23	SEE 4 GEN	36-22854-04	A	LABEL,REGULATORY,DECMATE III	A/R	-	
24	SEE 4 GEN	36-22855-04	A	LABEL,S/N,POWER DECMATE III AYO	A/R	-	
25		36-17905-16	A	LABEL,WARNING EQUIP. RATING,100-12	1	-	
26		36-17905-17	A	LABEL,WARNING EQUIP. RATING,220-24	-	1	

1 GEN: QUANTITY OF 1 EACH OF 3622854-01 AND 3622855-01 ARE REQUIRED WHEN -AA IS MANUFACTURED AT TAO.  
 2 GEN: QUANTITY OF 1 EACH OF 3622854-02 AND 3622855-02 ARE REQUIRED WHEN -AB IS MANUFACTURED AT TAO.  
 3 GEN: QUANTITY OF 1 EACH OF 3622854-03 AND 3622855-03 ARE REQUIRED WHEN -AB IS ASSEMBLED AT AYO.

REVISION HISTORY			KPL MATRIX FORMAT		SECTION A OF A		DRN: T.WILSON/RG.WEI		DIGITAL			
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		CHK'D:	O.LIN	DATE: 08-MAY-84		TITLE PARTS LIST			
---	INITIAL	B	[A]	AA,AB	DATE:	08-MAY-84			DECMATE III UNIT ASSY			
GW	PC238-TA002	C	[B]		DES.ENG:	O.LIN						
GW	PC238-TA003	D	[C]		DATE:	08-MAY-84			DOCUMENT NUMBER			
GW	PC238-TA004	E	[D]		RESP.ENG.:	S.Y.CHEN			SIZE:	CODE:	NUMBER	REV
JR	PC238-ML005	F	[E]		DATE:	08-MAY-84			K	PL	PC238-0-DBP	H
LB	PC238-ML006	H	[F]		MFG.ENG.:	G.WU			RELEASE DATE: 04-OCT-87			
			[H]		DATE:	08-MAY-84			RELEASE STATUS: RELEASED			
			[J]									
			BASIC PART NUMBER:		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			PC238		E-UA-PC238-0-0		B-DD-PC238-0		Z9953H.PLS		2	

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LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	AA C2	AB C2	QUANTITY PER VARIATION/REVISION
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4 GEN: QUANTITY OF 1 EACH OF 3622854-04 AND 3622855-04 ARE REQUIRED WHEN -AA IS ASSEMBLED AT AYO.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DECMATE III UNIT ASSY		K	PL	PC238-0-DBP	H







DRAWING NO.	NO OF SHTS	PART NO.	DESCRIPTION	REVISIONS																
				A1	A2	A1	A3	B1	B2	B3	C1	C2	C3	C1	C2	C3	D1	D2	D3	E2
		5416489-01	DM3 SYSTEM BOARD	A1	A2	A1	A3	B1	B2	B3	C1	C2	C3	C1	C2	C3	D1	D2	D3	E2
D-UA-5416489-0-0			DM3 SYSTEM BOARD UNIT ASSY	B	-	C	-	-	-	D	-	-	E	-	-	E	-	-	E	INA
K-PL-5416489-0-DBP			DM3 SYSTEM BOARD PARTS LIST	B	-	B	-	-	-	C	-	-	D	-	-	E	-	-	F	INA
D-EC-5416489-0-0			DM3 SYSTEM BOARD ETCH CUT								-	-	C	-	-	C	-	-	C	INA
D-CS-5416489-0-1			DM3 SYSTEM BOARD CIRCUIT SCHEMATIC	B	C	C	C	D	D	D	E	E	E	E	E	E	F	F	F	H
D-UA-5416489-1-0			DM3 SYSTEM BOARD UNIT ASSY		A		-	-	B	-	-	C	-	-	C	-	-	C	-	D
K-PL-5416489-1-DBP			DM3 SYSTEM BOARD PARTS LIST		A	-	-	-	B	-	-	C	-	-	D	-	-	E	-	F
D-EC-5416489-1-0			DM3 SYSTEM BOARD ETCH CUT								-	B	-	-	B	-	-	B	-	B
D-UA-5416489-2-0			DM3 SYSTEM BOARD UNIT ASSY				A	B	-	-	C	-	-	C	-	-	C	-	-	-
K-PL-5416489-2-DBP			DM3 SYSTEM BOARD PARTS LIST				A	B	-	-	C	-	-	D	-	-	E	-	-	-
D-EC-5416489-2-0			DM3 SYSTEM BOARD ETCH CUT								B	-	-	B	-	-	B	-	-	-
		5016488-01	ETCHED CIRCUIT BOARD	D1	D'	D1	D3	D3	D2	D1	D3	D2	D1	D3	D2	D1	D3	D2	D1	D2
B-DD-5016488-0			DRAWING DIRECTORY	B	C	C	D	D	D	D	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
D-MD-5016488-0-0			DM3 SYS BOARD CIRCUIT DRILL & ETCH								E	C	B	E	C	B	E	C	B	C

**NOTES:**

1) MAKE PART REV B1 FROM A3  
 2) MAKE PART REV B2 FROM A2  
 3) MAKE PART REV B3 FROM A1  
 4) MAKE PART REV C1 FROM B1  
 5) MAKE PART REV C2 FROM B2  
 6) MAKE PART REV C3 FROM B3  
 7) MAKE PART REV D1 FROM C1  
 8) MAKE PART REV D2 FROM C2  
 9) MAKE PART REV D3 FROM C3  
 10) MAKE PART REV E2 FROM D2  
 11) MAKE PART REV E1 FROM D1

REVISION HISTORY		REV	B	C	C	D	E	E	E	F	F	F	H	H	H	J	J	J	K
DATE	ECO NO.	INT REL	TA001	TA001	TA002	TA003	TA003	TA003	TA004	TA004	TA004	TA005	TA005	TA005	TA006	TA006	TA006	TA007	
5/84																			
11/84																			
11/84																			
12/84																			
2/85																			
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9/85																			

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DRN. ECHO JONG	DATE 5-12-84	TITLE	
CHK'D LA HSU	DATE 5-12-84	DMIII SYSTEM BOARD	
DES. ENG. CK LIAO	DATE 5-12-84	DOCUMENT NUMBER	
RESP. ENG. SL CHIANG	DATE 5-12-84	SIZE B	CODE DD
MFG. ENG. J ROGICH	DATE 7-17-84	NUMBER 5416489-0	
		REV M	
		SHEET 1 OF 2	



DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS															
				E1	E1	E2	E1	E2											
		5416489-01	DM3 SYSTEM BOARD	E1	E1	E2	E1	E2											
D-UA-5416489-0-0			DM3 SYSTEM BOARD UNIT ASSY	INA	INA	INA	INA	INA											
K-PL-5416489-0-DBP			DM3 SYSTEM BOARD PARTS LIST	INA	INA	INA	INA	INA											
D-EC-5416489-0-0			DM3 SYSTEM BOARD ETCH CUT	INA	INA	INA	INA	INA											
D-CS-5416489-0-1			DM3 SYSTEM BOARD CIRCUIT SCHEMATIC	H	H	H	H	H											
D-UA-5416489-1-0			DM3 SYSTEM BOARD UNIT ASSY	-	-	D	-	D											
K-PL-5416489-1-DBP			DM3 SYSTEM BOARD PARTS LIST	-	-	H	-	J											
D-EC-5416489-1-0			DM3 SYSTEM BOARD ETCH CUT	-	-	B	-	B											
D-UA-5416489-2-0			DM3 SYSTEM BOARD UNIT ASSY	D	D	-	D	-											
K-PL-5416489-2-DBP			DM3 SYSTEM BOARD PARTS LIST	F	H	-	J	-											
D-EC-5416489-2-0			DM3 SYSTEM BOARD ETCH CUT	B	B	-	B	-											
		5016488-01	ETCHED CIRCUIT BOARD	D3	D3	D2	D3	D2											
B-DD-5016488-0			DRAWING DIRECTORY	INA	INA	INA	INA	INA											
D-MD-5016488-0-0			DM3 SYSTEM BOARD CIRCUIT DRILL&ETCH	E	E	C	E	C											

**NOTES:**

REVISION HISTORY		REV.
DATE	ECO NO.	
9/85	TA007	K
3/86	ML008	L
3/86	ML008	L
12/86	ML009	M
12/86	ML009	M

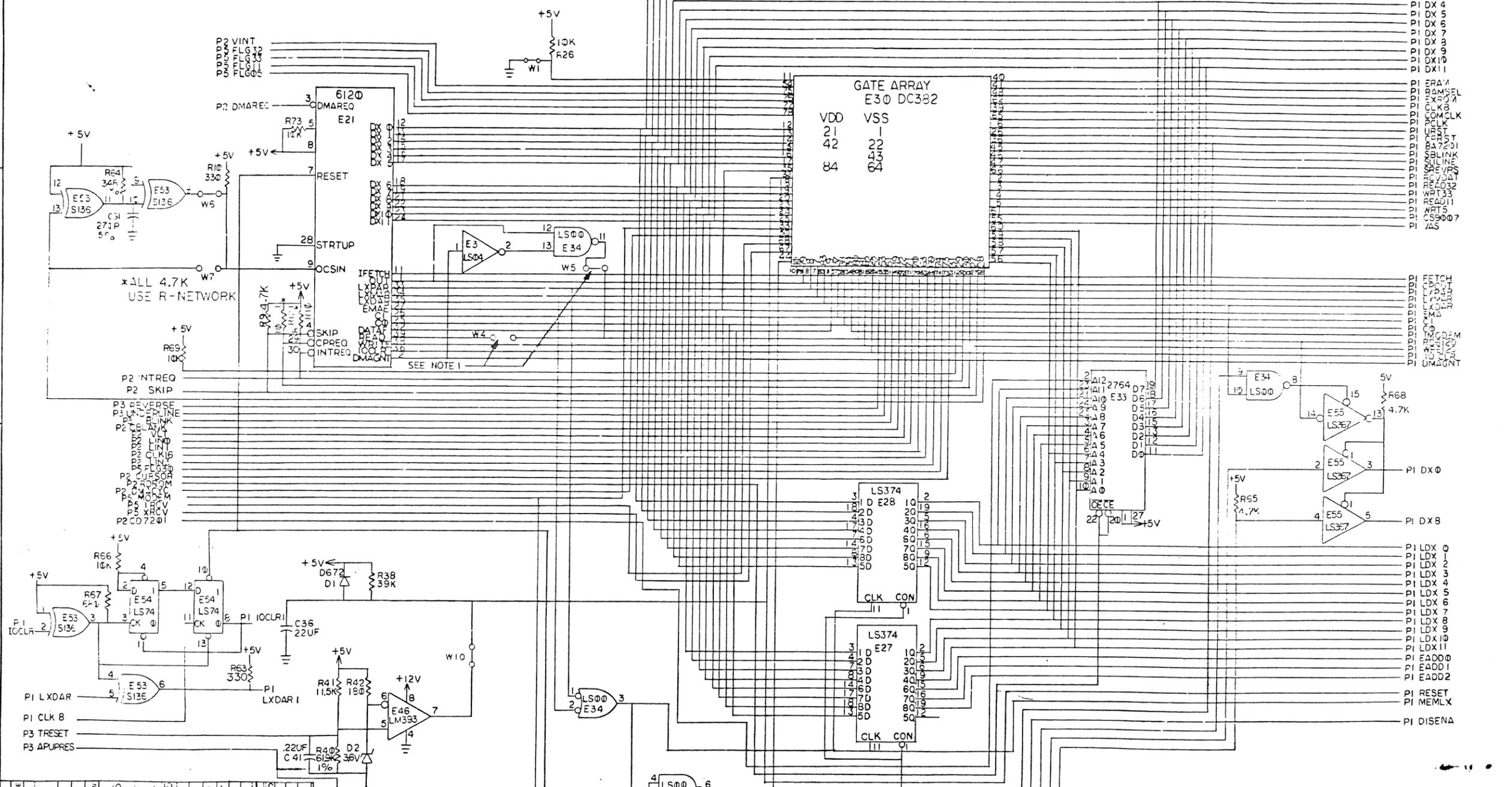


TITLE		DOCUMENT NUMBER	
DMIII SYSTEM BOARD		NUMBER	REV.
		5416489-0	M
		SHEET 2 OF 2	



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NOTE 1: WHEN E21 IS 2122803-01 INSERT W4, DO NOT INSERT W5  
WHEN E21 IS 2118172-01 INSERT W5, DO NOT INSERT W4

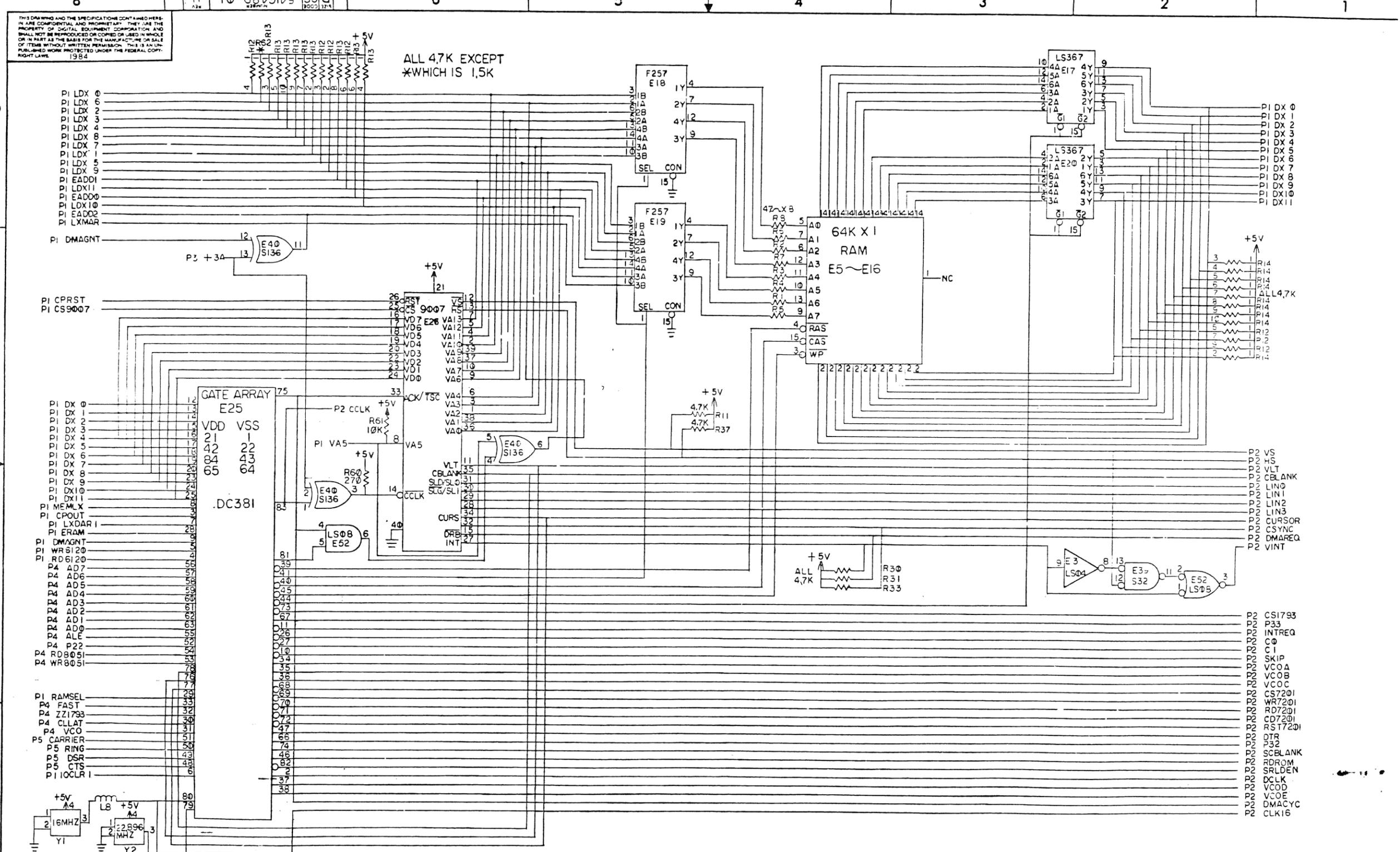


REV	ECO NUMBER	DATE
B	INT REL	11/84
C	TA001	1/85
D	5416489-01	2/85
E	5416489-01	3/85
F	5416489-01	4/85
G	5416489-01	5/85
H	5416489-01	6/85
I	5416489-01	7/85
J	5416489-01	8/85
K	5416489-01	9/85
L	5416489-01	10/85
M	5416489-01	11/85
N	5416489-01	12/85
O	5416489-01	1/86
P	5416489-01	2/86
Q	5416489-01	3/86
R	5416489-01	4/86
S	5416489-01	5/86
T	5416489-01	6/86
U	5416489-01	7/86
V	5416489-01	8/86
W	5416489-01	9/86
X	5416489-01	10/86
Y	5416489-01	11/86
Z	5416489-01	12/86

DESIGNER	W. J. WANG	DATE	05-14-84	TITLE	digital
CHK'D	L. A. HSU	DATE	05-14-84	DM III SYSTEM BD	
DESIGN	J. KIRK	DATE	05-14-84	DOCUMENT NUMBER	
RESP ENGR	J. KIRK	DATE	05-14-84	SIZE	D
WFO ENGR	<i>Rough</i>	DATE	7-11-84	CODE	CS
TOP DOC NO.	B-DD-5416489-0	NUMBER	5416489-01	AC	H
SCALE		SHEET	1	OF	5

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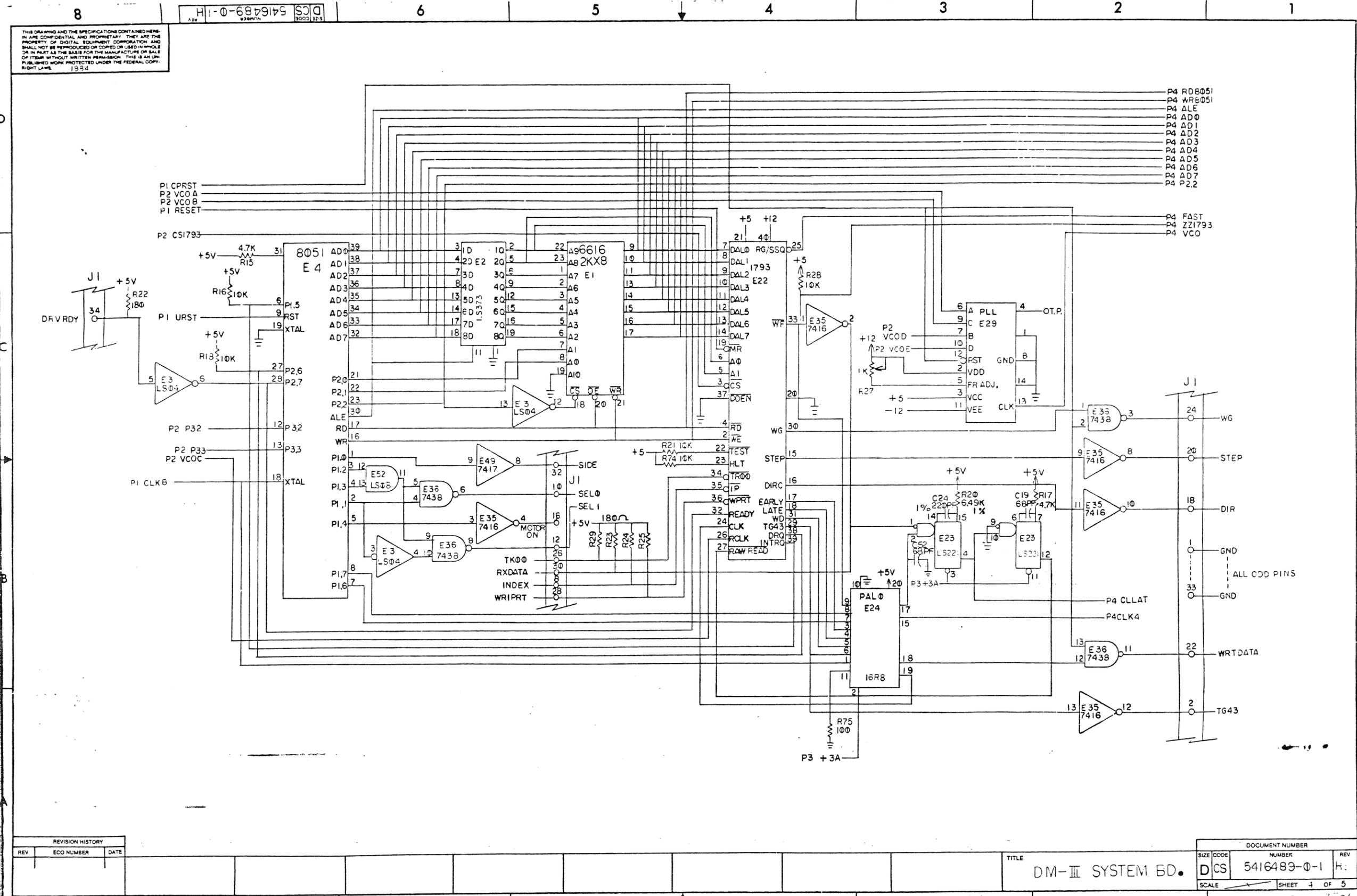
REV.	ECO NUMBER	DATE	TITLE	DOCUMENT NUMBER
			DM-III SYSTEM BD	DCS 5416489-01 H







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REVISION HISTORY		
REV	ECO NUMBER	DATE

TITLE		DOCUMENT NUMBER	
DM-III SYSTEM BD.		SIZE CODE	NUMBER
		DCS	5416489-0-1
		SCALE	SHEET 4 OF 5

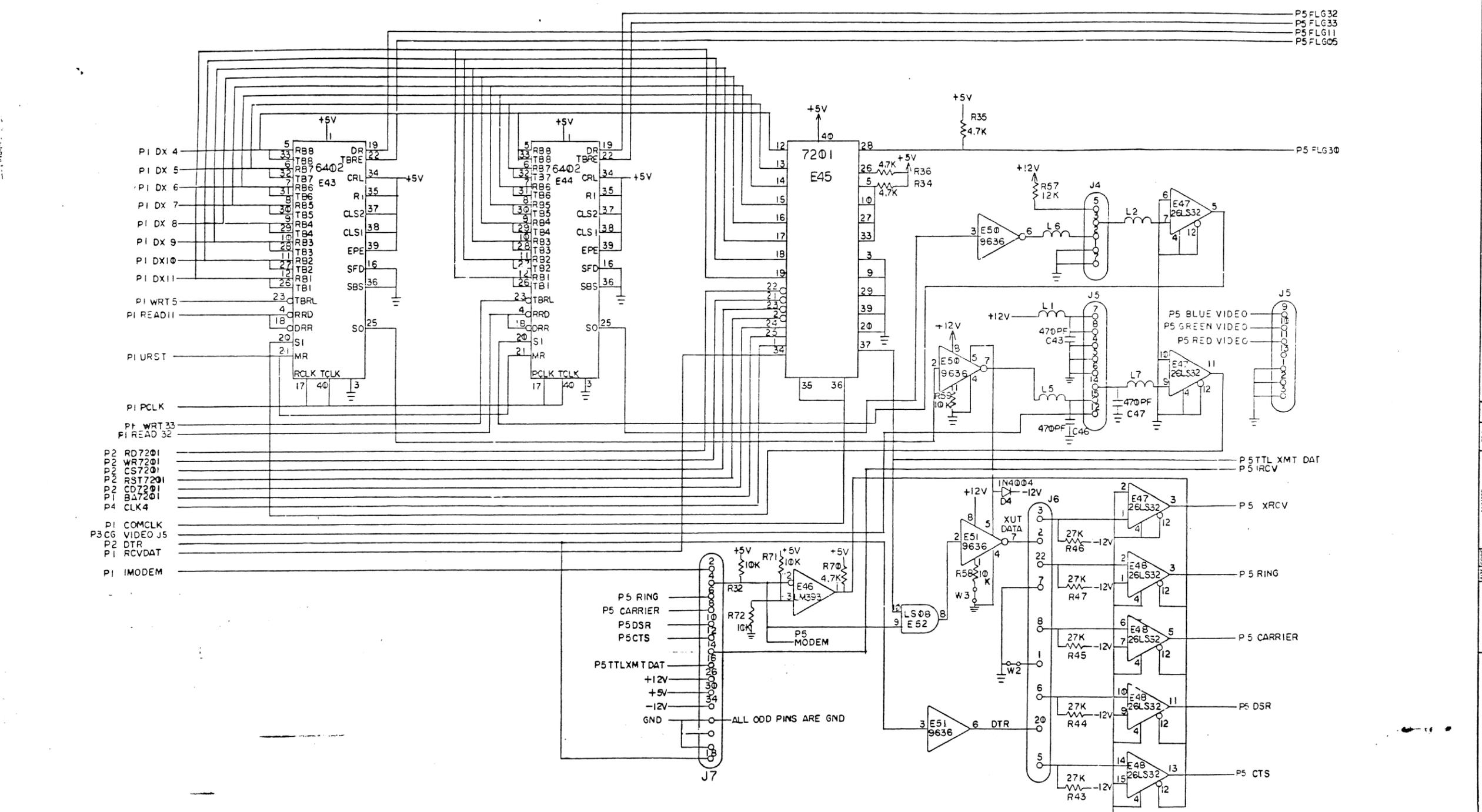
DRG 138C  
EN-01286-18-REV A (2/80)

REV H



8 7 6 5 4 3 2 1

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REVISION HISTORY			DOCUMENT NUMBER		
REV	ECO NUMBER	DATE	SIZE	NUMBER	REV
			DCS	5416489-0-1	1
			SCALE	SHEET 5 OF 5	

TITLE: DM-III SYSTEM BD







8

REV. A INT REL  
DUA 5416506-1-0  
SIZE CODE NUMBER

6

5

4

3

2

1

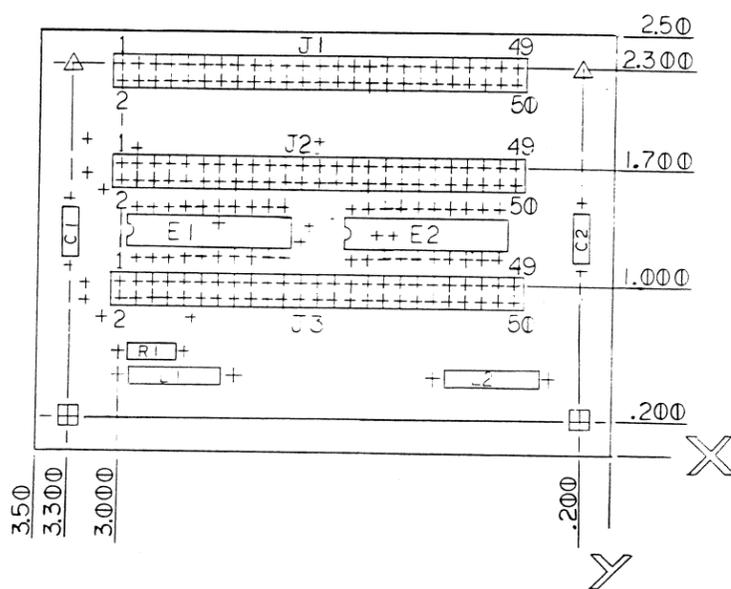
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1984

D

C

B

A



2.700 REF.

1.700 REF.

H MASTER ZERO

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
INCHES TOLERANCES ± 0.30'	ANGLES ± 0.30'	APPLICABLE DIMENSION RANGE (CHECK ONE)	DIMENSION RANGE IN INCHES
			OVER 0 TO 0.2 ± .02
SURFACE QUALITY ✓	MICROINCHES	MICROINCHES	OVER 0.2 TO 1.2 ± .03
			OVER 1.2 TO 4.0 ± .05
QUANTITY & VARIATION .X = ± .1 .XX = ± .02 .XXX = ± .005	THIRD ANGLE PROJECTION ✓	DRN <i>E. Hovine</i>	OVER 4.0 TO 12.0 ± .10
			OVER 12.0 TO 40.0 ± .12
DO NOT SCALE DRAWING	REMOVE BURRS AND BREAK SHARP CORNERS	DES. ENG. CK LIAO	OVER 40.0 TO 50.0 ± .04
			RES. ENG. SL CHANG
MATERIAL SEE PARTS LIST	FINISH	MFG. ENG. <i>W. Hovine</i>	DATE 1-31-85
			DATE 2-1-85
TOP. DOC. NO. B-DD-5416506-0		TITLE DM III ADAPTOR BOARD	
SCALE 2/1		DOCUMENT NUMBER DUA 5416506-1-0	
SHEET 1 OF 1		REV. A	

REV. A  
NUMBER  
DUA 5416506-1-0

REV. B

REV. A

REV.	ECO NUMBER	DATE
A	INT REL	

DRD 100\*



LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					01	B1	
1	1	B-DD-5016505-0		5016505-01 C CIRCUIT DRILL & ETCH	1		
2	2			1012784-00 .047 MFD 50V +80-20% CER	2		C1,C2
3	3			1216655-05 CARD EDGE 50PIN(2X25).100CC STR	2		J2,J3
4	4			1223347-01 PCB HEADER 50PIN 90D	1		J1
5	5			1300447-00 4.70 K .25 W 5.0 % CF	1		R1
6	6			2123369-01 74ACT245 OCTAL BUS TRANSCEIV	2		E1,E2
7	7			3618460-01 B LABEL,BAR CODE BLANK .38 X1.5	1		
8	8	SEE NOTE 1.		1618238-02 BEAD,FERRITE .1380DX.330LG	2		L1,L2

9 NOTE: 1. THE "MIN PART REV" SPECIFIED FOR THE 50-CLASS PART IS THE ONLY ALPHA REV THAT MAY BE USED.

REVISION HISTORY			BASIC PART NO: 5416506			DRN:	E. NOURIE	DATE:	14-MAY-84	D I G I T A L			
ENG!	ECO NUMBER	REV	SECTION A OF A			CHK'D:	P. SULLIVAN	DATE:	14-MAY-84	TITLE PARTS LIST			
---	INITIAL	A	SECTION VARIATION INDEX							DMIII ADAPTOR BOARD			
			[A]	01		DES.ENG:	C.S.LEE	DATE:	14-MAY-84	DOCUMENT NUMBER			
			[B]							SIZE	CODE	NUMBER	REV
			[C]			RESP.ENG.:	L.JEAN	DATE:	14-MAY-84	K	PL	5416506-1-DBP	A
			[D]							RELEASE DATE: 15-FEB-85			
			[E]			MFG.ENG.:	J. ROGICH	DATE:	14-MAY-84				
			[F]			ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	EDIT #		
			[H]			D-UA-5416506-1-0		#B-DD-5416506-0		ML37A.PLS	16		
			[J]										
			[K]										
			[L]										
			[M]										
			[N]										

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DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS															
				A1	B1	B1	B1												
		BA25-HA	SMALL SYSTEM BOX (120 V)	A1	B1	B1	B1												
		BA25-HB	SMALL SYSTEM BOX (240V)	A1	B1	B1	B1												
E-UA-BA25-H-DBU	1		UNIT ASSY	B	C	C	D												
K-PL-BA25-H-DBP	1		PART LIST	B	C	D	E												
		BA25-HC	SMALL SYSTEM BOX W/RD31-A (120V)												A1				
		BA25-HD	SMALL SYSTEM BOX W/RD31-A (240V)												A1				

NOTES:

FILE NAME: DD-BA25-H-DBUE

REVISION HISTORY		REV.
DATE	ECO NO.	INIT REL
12/84	BA25-H-TA001	B
6/84	BA25-H-TA002	C
3/87	BA25-H-ML003	D
		E

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DRN. R. G. WEI	DATE 5-14-84
CHK'D O. LIN	DATE 5-14-84
DES. ENG. O. LIN	DATE 5-14-84
RESP. ENG. S. Y. CHEN	DATE 5-14-84
MFG. ENG. G. WU	DATE 7-30-84

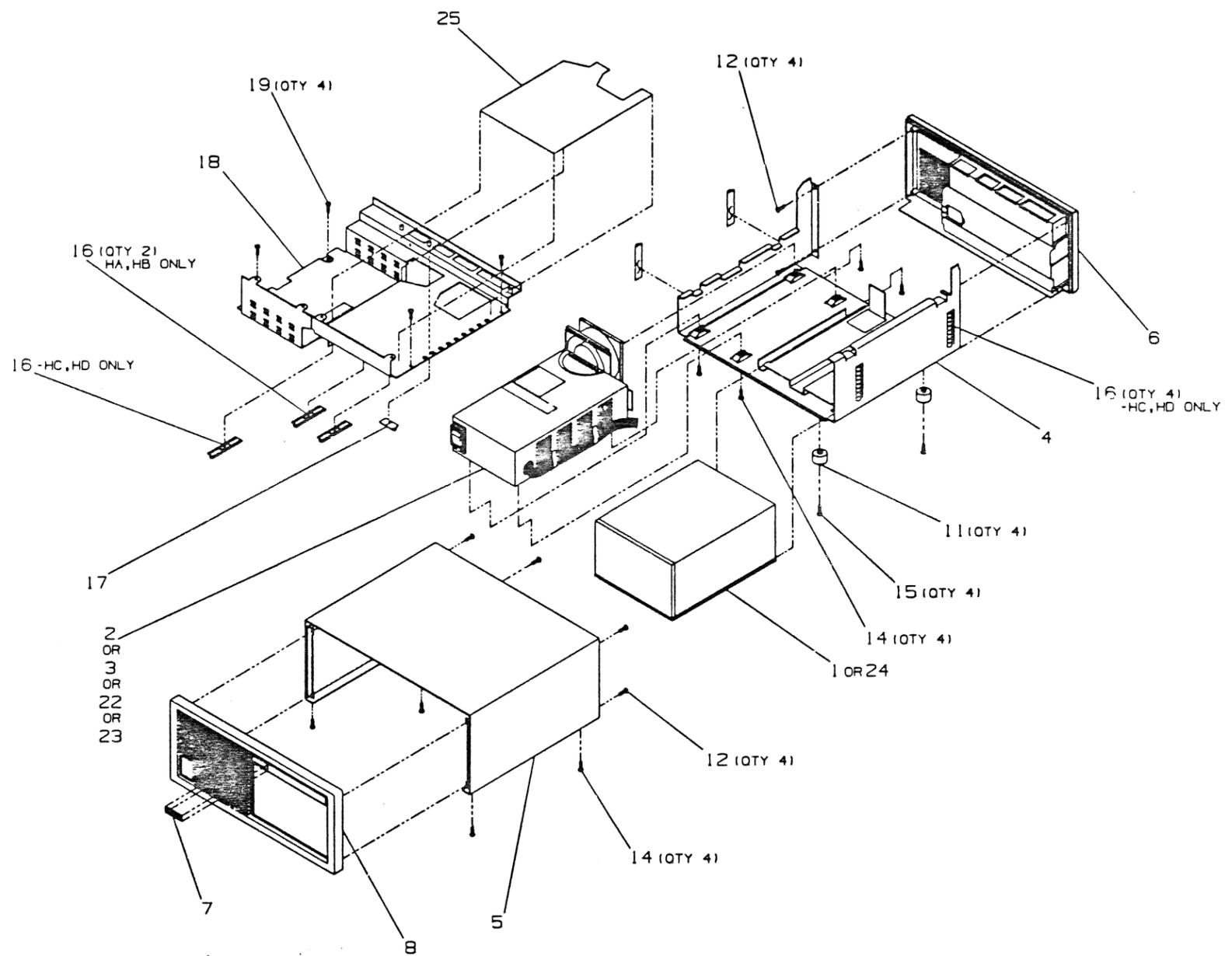
TITLE SMALL SYSTEM BOX		
SIZE CODE BDD	NUMBER BA25-H-DBU	REV. E
SHEET 1 OF 1		



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LEGEND		
PART NO.	REV	VARIATION
BA25-HA	B1	AS SHOWN
BA25-HB	B1	AS SHOWN
BA25-HC	A1	AS SHOWN
BA25-HD	A1	AS SHOWN

- NOTES:
1. ASSEMBLE FRONT BEZEL (ITEM 8) TO TOP COVER (ITEM 5), AND THE REAR BEZEL ASSY (ITEM 6) TO THE BASE CHASSIS ASSY (ITEM 4) PRIOR TO ASSEMBLING THE REST OF THE UNIT.
  2. TO REMOVE DISK DRIVE (ITEM 11), DEPRESS SPRING TAB (PART OF ITEM 4) AND SLIDE DISK DRIVE FORWARD.
  3. ASSEMBLE THUMB SCREW (ITEM 13) AND RETAINER RING (ITEM 10) PRIOR TO ASSEMBLING TO BASE CHASSIS ASSY (ITEM 4).
  4. ALL SCREWS TO BE TORQUED TO 4-5 IN.-LBS.



PLOT AT .3333

FILE NAME: BA25-H-DBUD

CAUTION: OFF SHEET PARTS LIST EXISTS  
SEE K-PL-BA25-H-DBP  
(Z9955)

REV	CHG	DATE	BY	APP	DESCRIPTION
1	INIT	REL			
2	BA25-H-TA001	C			
3	BA25-H-1A001	C			
4	BA25-H-1A001	C			
5	BA25-H-1A001	C			
6	BA25-H-1A001	C			
7	BA25-H-1A001	C			
8	BA25-H-1A001	C			
9	BA25-H-1A001	C			
10	BA25-H-1A001	C			

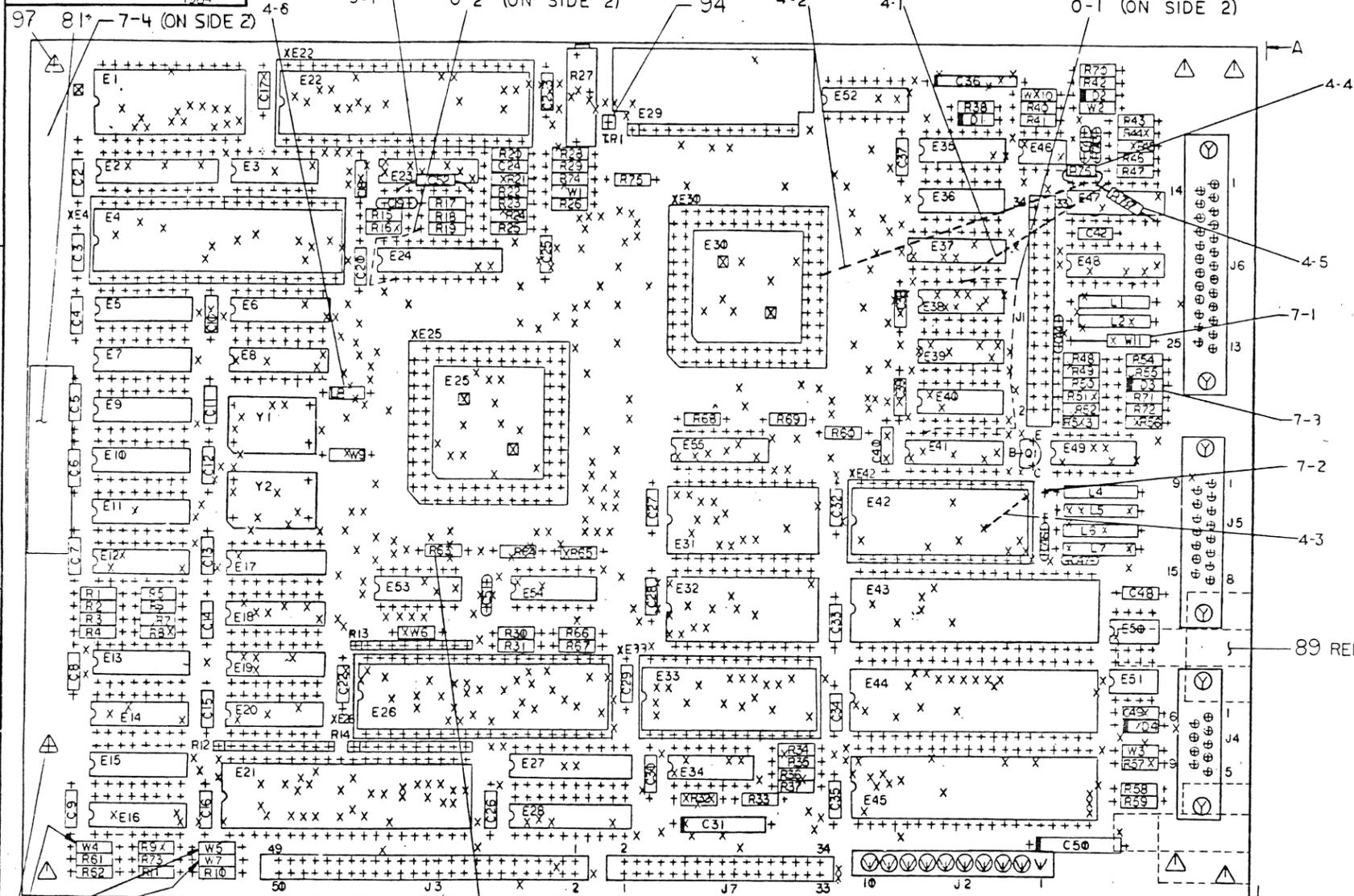
DESCRIPTION	DRAWING NO.	PART NO.	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD-111)			
INCHES	FRACTIONS	DIMENSION RANGE IN INCHES	
.001	1/16	0 - 1/4	0.001
.002	1/32	1/4 - 1/2	0.002
.003	1/64	1/2 - 1	0.003
.004	1/32	1 - 2	0.004
.005	1/16	2 - 4	0.005
.006	1/32	4 - 6	0.006
.007	1/64	6 - 10	0.007
.008	1/32	10 - 16	0.008
.009	1/64	16 - 24	0.009
.010	1/32	24 - 48	0.010
.015	1/64	48 - 96	0.015
.020	1/32	96 - 192	0.020
.030	1/16	192 - 384	0.030
.050	1/32	384 - 768	0.050
.075	1/16	768 - 1536	0.075
.100	1/8	1536 - 3072	0.100
.150	1/16	3072 - 6144	0.150
.200	1/8	6144 - 12288	0.200
.300	1/4	12288 - 24576	0.300
.500	1/2	24576 - 49152	0.500
1.000	1	49152 - 98304	1.000
2.000	2	98304 - 196608	2.000
3.000	3	196608 - 294912	3.000
4.000	4	294912 - 393216	4.000
5.000	5	393216 - 491520	5.000
6.000	6	491520 - 589824	6.000
7.000	7	589824 - 688128	7.000
8.000	8	688128 - 786432	8.000
9.000	9	786432 - 884736	9.000
10.000	10	884736 - 983040	10.000
11.000	11	983040 - 1081344	11.000
12.000	12	1081344 - 1179648	12.000
13.000	13	1179648 - 1277952	13.000
14.000	14	1277952 - 1376256	14.000
15.000	15	1376256 - 1474560	15.000
16.000	16	1474560 - 1572864	16.000
17.000	17	1572864 - 1671168	17.000
18.000	18	1671168 - 1769472	18.000
19.000	19	1769472 - 1867776	19.000
20.000	20	1867776 - 1966080	20.000
21.000	21	1966080 - 2064384	21.000
22.000	22	2064384 - 2162688	22.000
23.000	23	2162688 - 2260992	23.000
24.000	24	2260992 - 2359296	24.000
25.000	25	2359296 - 2457600	25.000
26.000	26	2457600 - 2555904	26.000
27.000	27	2555904 - 2654208	27.000
28.000	28	2654208 - 2752512	28.000
29.000	29	2752512 - 2850816	29.000
30.000	30	2850816 - 2949120	30.000
31.000	31	2949120 - 3047424	31.000
32.000	32	3047424 - 3145728	32.000
33.000	33	3145728 - 3244032	33.000
34.000	34	3244032 - 3342336	34.000
35.000	35	3342336 - 3440640	35.000
36.000	36	3440640 - 3538944	36.000
37.000	37	3538944 - 3637248	37.000
38.000	38	3637248 - 3735552	38.000
39.000	39	3735552 - 3833856	39.000
40.000	40	3833856 - 3932160	40.000
41.000	41	3932160 - 4030464	41.000
42.000	42	4030464 - 4128768	42.000
43.000	43	4128768 - 4227072	43.000
44.000	44	4227072 - 4325376	44.000
45.000	45	4325376 - 4423680	45.000
46.000	46	4423680 - 4521984	46.000
47.000	47	4521984 - 4620288	47.000
48.000	48	4620288 - 4718592	48.000
49.000	49	4718592 - 4816896	49.000
50.000	50	4816896 - 4915200	50.000
51.000	51	4915200 - 5013504	51.000
52.000	52	5013504 - 5111808	52.000
53.000	53	5111808 - 5210112	53.000
54.000	54	5210112 - 5308416	54.000
55.000	55	5308416 - 5406720	55.000
56.000	56	5406720 - 5505024	56.000
57.000	57	5505024 - 5603328	57.000
58.000	58	5603328 - 5701632	58.000
59.000	59	5701632 - 5800936	59.000
60.000	60	5800936 - 5900240	60.000
61.000	61	5900240 - 6000000	61.000
62.000	62	6000000 - 6100000	62.000
63.000	63	6100000 - 6200000	63.000
64.000	64	6200000 - 6300000	64.000
65.000	65	6300000 - 6400000	65.000
66.000	66	6400000 - 6500000	66.000
67.000	67	6500000 - 6600000	67.000
68.000	68	6600000 - 6700000	68.000
69.000	69	6700000 - 6800000	69.000
70.000	70	6800000 - 6900000	70.000
71.000	71	6900000 - 7000000	71.000
72.000	72	7000000 - 7100000	72.000
73.000	73	7100000 - 7200000	73.000
74.000	74	7200000 - 7300000	74.000
75.000	75	7300000 - 7400000	75.000
76.000	76	7400000 - 7500000	76.000
77.000	77	7500000 - 7600000	77.000
78.000	78	7600000 - 7700000	78.000
79.000	79	7700000 - 7800000	79.000
80.000	80	7800000 - 7900000	80.000
81.000	81	7900000 - 8000000	81.000
82.000	82	8000000 - 8100000	82.000
83.000	83	8100000 - 8200000	83.000
84.000	84	8200000 - 8300000	84.000
85.000	85	8300000 - 8400000	85.000
86.000	86	8400000 - 8500000	86.000
87.000	87	8500000 - 8600000	87.000
88.000	88	8600000 - 8700000	88.000
89.000	89	8700000 - 8800000	89.000
90.000	90	8800000 - 8900000	90.000
91.000	91	8900000 - 9000000	91.000
92.000	92	9000000 - 9100000	92.000
93.000	93	9100000 - 9200000	93.000
94.000	94	9200000 - 9300000	94.000
95.000	95	9300000 - 9400000	95.000
96.000	96	9400000 - 9500000	96.000
97.000	97	9500000 - 9600000	97.000
98.000	98	9600000 - 9700000	98.000
99.000	99	9700000 - 9800000	99.000
100.000	100	9800000 - 9900000	100.000
101.000	101	9900000 - 10000000	101.000
102.000	102	10000000 - 10100000	102.000
103.000	103	10100000 - 10200000	103.000
104.000	104	10200000 - 10300000	104.000
105.000	105	10300000 - 10400000	105.000
106.000	106	10400000 - 10500000	106.000
107.000	107	10500000 - 10600000	107.000
108.000	108	10600000 - 10700000	108.000
109.000	109	10700000 - 10800000	109.000
110.000	110	10800000 - 10900000	110.000
111.000	111	10900000 - 11000000	111.000
112.000	112	11000000 - 11100000	112.000
113.000	113	11100000 - 11200000	113.000
114.000	114	11200000 - 11300000	114.000
115.000	115	11300000 - 11400000	115.000
116.000	116	11400000 - 11500000	116.000
117.000	117	11500000 - 11600000	117.000
118.000	118	11600000 - 11700000	118.000
119.000	119	11700000 - 11800000	119.000
120.000	120	11800000 - 11900000	120.000
121.000	121	11900000 - 12000000	121.000
122.000	122	12000000 - 12100000	122.000
123.000	123	12100000 - 12200000	123.000
124.000	124	12200000 - 12300000	124.000
125.000	125	12300000 - 12400000	125.000
126.000	126	12400000 - 12500000	126.000
127.000	127	12500000 - 12600000	127.000
128.000	128	12600000 - 12700000	128.000
129.000	129	12700000 - 12800000	129.000
130.000	130	12800000 - 12900000	130.000
131.000	131	12900000 - 13000000	131.000
132.000	132	13000000 - 13100000	132.000
133.000	133	13100000 - 13200000	133.000
134.000	134	13200000 - 13300000	134.000
135.000	135	13300000 - 13400000	135.000
136.000	136	13400000 - 13500000	136.000
137.000	137	13500000 - 13600000	137.000
138.000	138	13600000 - 13700000	138.000
139.000	139	13700000 - 13800000	139.000
140.000	140	13800000 - 13900000	140.000
141.000	141	13900000 - 14000000	141.000
142.000	142	14000000 - 14100000	142.000
143.000	143	14100000 - 14200000	143.000
144.000	144	14200000 - 14300000	144.000
145.000	145	14300000 - 14400000	145.000
146.000	146	14400000 - 14500000	146.000
147.000	147	14500000 - 14600000	147.000
148.000	148	14600000 - 14700000	148.000
149.000	149	14700000 - 14800000	149.000
150.000	150	14800000 - 14900000	150.000
151.000	151	14900000 - 15000000	151.000
152.000	152	15000000 - 15100000	152.000
153.000	153	15100000 - 15200000	153.000
154.000	154	15200000 - 15300000	154.000
155.000			



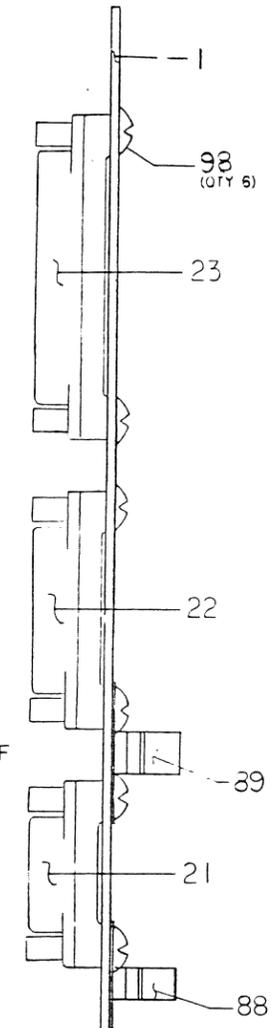




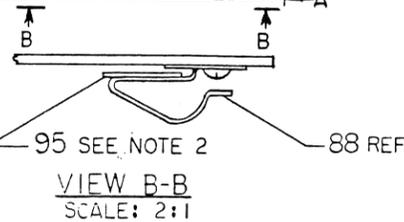
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- NOTES:
- W7 IS NOT INSERTED
  - WHEN ASSEMBLING, THE PAD SHOULD OVER HANG THE EDGE OF THE GROUNDING CLIP
  - WHEN E21 IS 2122803-01 INSERT W4, WHEN E21 IS 2118172-01 INSERT W5.



CAUTION: OFF SHEET PARTS LIST EXIST SEE K-PL-5416489-1 D3P (ML573)



REV	ECO NUMBER	DATE	INT REL PER
A	5416489-1	1/84	TA001
B	5416489-2	2/85	TA003
C	5416489-3	3/85	TA004
D	5416489-4	4/85	TA007

DESIGNED BY: J. ROGICH  
CHECKED BY: J. ROGICH  
DATE: 1-16-85

DESCRIPTION		DRAWING NO.	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)				
INCHES TOLERANCES	ANGLES ±0°30'	APPLICABLE DIMENSION RANGE (CHECK ONE)	OVER 0 TO 12	±.02
			OVER 12 TO 40	±.03
SURFACE QUALITY	MICROINCHES	SURFACE QUALITY	OVER 40 TO 120	±.04
			OVER 120 TO 400	±.05
QUANTITY & VARIATION			OVER 400 TO 800	±.06
			OVER 800 TO 1600	±.07
			OVER 1600 TO 3200	±.08
			OVER 3200 TO 6400	±.09
			OVER 6400 TO 12800	±.10
			OVER 12800 TO 25600	±.12
			OVER 25600 TO 51200	±.15
			OVER 51200 TO 102400	±.20
			OVER 102400 TO 204800	±.25
			OVER 204800 TO 409600	±.30
			OVER 409600 TO 819200	±.35
			OVER 819200 TO 1638400	±.40
			OVER 1638400 TO 3276800	±.45
			OVER 3276800 TO 6553600	±.50
			OVER 6553600 TO 13107200	±.55
			OVER 13107200 TO 26214400	±.60
			OVER 26214400 TO 52428800	±.65
			OVER 52428800 TO 104857600	±.70
			OVER 104857600 TO 209715200	±.75
			OVER 209715200 TO 419430400	±.80
			OVER 419430400 TO 838860800	±.85
			OVER 838860800 TO 1677721600	±.90
			OVER 1677721600 TO 3355443200	±.95
			OVER 3355443200 TO 6710886400	±1.00
			OVER 6710886400 TO 13421772800	±1.05
			OVER 13421772800 TO 26843545600	±1.10
			OVER 26843545600 TO 53687091200	±1.15
			OVER 53687091200 TO 107374182400	±1.20
			OVER 107374182400 TO 214748364800	±1.25
			OVER 214748364800 TO 429496729600	±1.30
			OVER 429496729600 TO 858993459200	±1.35
			OVER 858993459200 TO 1717986918400	±1.40
			OVER 1717986918400 TO 3435973836800	±1.45
			OVER 3435973836800 TO 6871947673600	±1.50
			OVER 6871947673600 TO 13743895347200	±1.55
			OVER 13743895347200 TO 27487790694400	±1.60
			OVER 27487790694400 TO 54975581388800	±1.65
			OVER 54975581388800 TO 109951162777600	±1.70
			OVER 109951162777600 TO 219902325555200	±1.75
			OVER 219902325555200 TO 439804651110400	±1.80
			OVER 439804651110400 TO 879609302220800	±1.85
			OVER 879609302220800 TO 1759218604441600	±1.90
			OVER 1759218604441600 TO 3518437208883200	±1.95
			OVER 3518437208883200 TO 7036874417766400	±2.00
			OVER 7036874417766400 TO 14073748835532800	±2.05
			OVER 14073748835532800 TO 28147497671065600	±2.10
			OVER 28147497671065600 TO 56294995342131200	±2.15
			OVER 56294995342131200 TO 112589990684262400	±2.20
			OVER 112589990684262400 TO 225179981368524800	±2.25
			OVER 225179981368524800 TO 450359962737049600	±2.30
			OVER 450359962737049600 TO 900719925474099200	±2.35
			OVER 900719925474099200 TO 1801439850948198400	±2.40
			OVER 1801439850948198400 TO 3602879701896396800	±2.45
			OVER 3602879701896396800 TO 7205759403792793600	±2.50
			OVER 7205759403792793600 TO 14411518807585587200	±2.55
			OVER 14411518807585587200 TO 28823037615171174400	±2.60
			OVER 28823037615171174400 TO 57646075230342348800	±2.65
			OVER 57646075230342348800 TO 115292150460684697600	±2.70
			OVER 115292150460684697600 TO 230584300921369395200	±2.75
			OVER 230584300921369395200 TO 461168601842738790400	±2.80
			OVER 461168601842738790400 TO 922337203685477580800	±2.85
			OVER 922337203685477580800 TO 1844674407370955161600	±2.90
			OVER 1844674407370955161600 TO 3689348814741910323200	±2.95
			OVER 3689348814741910323200 TO 7378697629483820646400	±3.00
			OVER 7378697629483820646400 TO 14757395258967641292800	±3.05
			OVER 14757395258967641292800 TO 29514790517935282585600	±3.10
			OVER 29514790517935282585600 TO 59029581035870565171200	±3.15
			OVER 59029581035870565171200 TO 118059162071741130342400	±3.20
			OVER 118059162071741130342400 TO 236118324143482260684800	±3.25
			OVER 236118324143482260684800 TO 472236648286964521369600	±3.30
			OVER 472236648286964521369600 TO 944473296573929042739200	±3.35
			OVER 944473296573929042739200 TO 1888946593147858085478400	±3.40
			OVER 1888946593147858085478400 TO 3777893186295716170956800	±3.45
			OVER 3777893186295716170956800 TO 7555786372591432341913600	±3.50
			OVER 7555786372591432341913600 TO 15111572745182864683827200	±3.55
			OVER 15111572745182864683827200 TO 30223145490365729367654400	±3.60
			OVER 30223145490365729367654400 TO 60446290980731458735308800	±3.65
			OVER 60446290980731458735308800 TO 120892581961462917470617600	±3.70
			OVER 120892581961462917470617600 TO 24178516392292583494123200	±3.75
			OVER 24178516392292583494123200 TO 48357032784585166988246400	±3.80
			OVER 48357032784585166988246400 TO 96714065569170333976492800	±3.85
			OVER 96714065569170333976492800 TO 193428131138340667952985600	±3.90
			OVER 193428131138340667952985600 TO 386856262276681335905971200	±3.95
			OVER 386856262276681335905971200 TO 773712524553362671811942400	±4.00
			OVER 773712524553362671811942400 TO 1547425049106725343623884800	±4.05
			OVER 1547425049106725343623884800 TO 3094850098213450687247769600	±4.10
			OVER 3094850098213450687247769600 TO 6189700196426901374495539200	±4.15
			OVER 6189700196426901374495539200 TO 12379400392853802748991178400	±4.20
			OVER 12379400392853802748991178400 TO 24758800785707605497982356800	±4.25
			OVER 24758800785707605497982356800 TO 49517601571415210995964713600	±4.30
			OVER 49517601571415210995964713600 TO 99035203142830421991928427200	±4.35
			OVER 99035203142830421991928427200 TO 198070406285660843983856844400	±4.40
			OVER 198070406285660843983856844400 TO 396140812571321687967713688800	±4.45
			OVER 396140812571321687967713688800 TO 792281625142643375935427377600	±4.50
			OVER 792281625142643375935427377600 TO 1584563250285286751870854755200	±4.55
			OVER 1584563250285286751870854755200 TO 3169126500570573503741709510400	±4.60
			OVER 3169126500570573503741709510400 TO 6338253001141147007483419020800	±4.65
			OVER 6338253001141147007483419020800 TO 12676506002282294014966838041600	±4.70
			OVER 12676506002282294014966838041600 TO 25353012004564588029933676083200	±4.75
			OVER 25353012004564588029933676083200 TO 50706024009129176059867352166400	±4.80
			OVER 50706024009129176059867352166400 TO 101412048018258352119734704332800	±4.85
			OVER 101412048018258352119734704332800 TO 202824096036516704239469408665600	±4.90
			OVER 202824096036516704239469408665600 TO 405648192073033408478938817331200	±4.95
			OVER 405648192073033408478938817331200 TO 811296384146066816957877634662400	±5.00
			OVER 811296384146066816957877634662400 TO 162259276832213363315555469332800	±5.05
			OVER 162259276832213363315555469332800 TO 324518553664426726631110938665600	±5.10
			OVER 324518553664426726631110938665600 TO 649037107328853453262221877331200	±5.15
			OVER 649037107328853453262221877331200 TO 129807421457706906552443754662400	±5.20
			OVER 129807421457706906552443754662400 TO 259614842915413813104887519332800	±5.25
			OVER 259614842915413813104887519332800 TO 519229685830827626209775038665600	±5.30
			OVER 519229685830827626209775038665600 TO 1038459371661655252419550077331200	±5.35
			OVER 1038459371661655252419550077331200 TO 2076918743323310504839000154662400	±5.40
			OVER 2076918743323310504839000154662400 TO 4153837486646621009678000309324800	±5.45
			OVER 4153837486646621009678000309324800 TO 8307674973293242019356000618649600	±5.50
			OVER 8307674973293242019356000618649600 TO 16615349946586484038712001237299200	±5.55
			OVER 16615349946586484038712001237299200 TO 3323069989317296807742402474598400	±5.60
			OVER 3323069989317296807742402474598400 TO 6646139978634593615484804949196800	±5.65
			OVER 6646139978634593615484804949196800 TO 13292279957269187230969609898393600	±5.70
			OVER 13292279957269187230969609898393600 TO 26584559914538374461939219796787200	±5.75
			OVER 26584559914538374461939219796787200 TO 53169119829076748923878439593574400	±5.80
			OVER 53169119829076748923878439593574400 TO 106338239658153497877758879187148800	±5.85
			OVER 106338239658153497877758879187148800 TO 21267647931630699575551775837429600	±5.90
			OVER 21267647931630699575551775837429600 TO 42535295863261399151103516774859200	±5.95
			OVER 42535295863261399151103516774859200 TO 85070591726522798302207033549718400	±6.00
			OVER 85070591726522798302207033549718400 TO 17014118345304559660441406709942400	±6.05
			OVER 17014118345304559660441406709942400 TO 34028236690609119320882813419884800	±6.10







LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY	PER VAR/REV	REFERENCE DESIGNATORS
						01		
						E2		
1	1	# SEE NOTE 1	50-16488-01		CIRCUIT DRILL & ETCH	1		
2	2		10-00014-00	68	PFD 100V +/- 5% 200PP	2		C19,C52
3	3		10-00020-00		*** THIS ITEM IS NOT USED ***	-		
4	4		10-00024-00	470	PFD 100V +/- 5% 200PP	4		C43,C44,C46,C47
5	5		10-04813-00	A 10	MFD 20V +/-10% SOL	2		C31,C50
6	6		10-05636-00	A 22	MFD 6.0V +/-10% SOL	1		C36
7	7		10-10274-00		0.22 MFD 50V +80/-20% Z5U C	1		C41
8	8		10-12784-00		0.047MFD 50V +80/-20% Z5U C	37		C2-C18,C20,C22,C23,C25-C30, CONT C32-C35,C37-C40,C42,C48,C49
9	9		10-13466-45	W 220	PFD 50V +/- 1% NPO C	1		C24
10	10		11-05275-00		PIV= 60 IO=300 MA -15NS	1		D1
11	11		11-05796-01		PIV= 400 IO= 1.00A DO-41	1		D4
12	12		11-10994-00		*** THIS ITEM IS NOT USED ***	-		
13	13		11-23596-01	A vZ= 3.6	500MW 1N5989C	1		D2
14	14		12-16655-05	A	CARD EDGE 50PIN(2X25).100CC STR	1		J3
15	15		12-15006-07		SKT,IC 28PIN DIP TIN SOLD	2		XE33,XE42
16	16		12-15006-08		SKT,IC 40PIN DIP TIN SOLD	3		XE4,XE22,XE26
17	17		12-15699-08	A	PCB,HEADER 10POS(1X10).156CC STR	1		J2
18	18		12-18762-00		CONN,P+S 34POS(2X17).100CC	1		J7
19	19		12-19952-01	A	PCB HEADER 34PIN(2X17).100CC STR	1		J1
20	20	SEE NOTE 5	12-21158-02	A	SKT,IC 84PIN CHIP CARRIER	2		XE25,XE30
21	21		12-22893-01	A	CONN,D SUB 9PIN ASSY STR GOLD	1		J4
22	22		12-22893-02	A	CONN,D SUB 15PIN ASSY STR GOLD	1		J5
23	23		12-22893-03	A	CONN,D SUB 25PIN ASSY STR GOLD	1		J6
24	24		13-00197-00		33.0 .25 W 5.0 % CF	1		R54
25	25		13-00202-00	A 47.0	.25 W 5.0 % CF	8		R1-R8
26	26		13-00229-00		100.0 .25 W 5.0 % CF	1		R75
27	27		13-00309-00		390.0 .25 W 5.0 % CF	1		R48
28	28		13-00365-00	1.0 K	.25 W 5.0 % CF	2		R51,R52
29	29		13-00391-00		1.50 K .25 W 5.0 % CF	1		R62
30	30		13-00447-00		4.70 K .25 W 5.0 % CF	16		R9,R11,R15,R17,R19,R30,R31, CONT R33-R37,R53,R65,R68,R70

REVISION HISTORY			KPL MODULE FORMAT		SECTION A OF A	DRN: S. ROBERTS	DIGITAL			
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX			DATE: 21-NOV-84				
---	INITIAL	A	[A]	01	[M]	CHK'D: P. SULLIVAN	TITLE PARTS LIST			
J R	5416489-TA003	B	[B]		[N]	DATE: 21-NOV-84	DMIII SYSTEM BOARD			
J R	5416489-TA004	C	[C]		[P]	DES.ENG: J.KIRK				
JR	5416489-TA005	D	[D]		[Q]	DATE: 21-NOV-84	DOCUMENT NUMBER			
JR	5416489-TA006	E	[E]		[R]	RESP.ENG.: J.KIRK	SIZE	CODE	NUMBER	REV
JR	5416489-TA007	F	[F]		[S]	DATE: 21-NOV-84	K	PL	5416489-1-DBP	J
DP	5416489-ML008	H	[H]		[T]	MFG.ENG: J.ROGICH	RELEASE DATE: 05-JAN-87			
LB	5416489-ML009	J	[J]		[V]	DATE: 21-NOV-84	RELEASE STATUS: RELEASED			
			[K]		[W]					
			[L]		[Y]					
			BASIC PART NUMBER:		ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #
			5416489		D-UA-5416489-0-0	B-DD-5416489-0		ML573J.PLS		1

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LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
					01 E2	
31	31	13-00479-00	10.0	K .25 W 5.0 % CF	16	R16,R18,R21,R26,R28,R32,R59, CONT R59,R61,R66,R69,R71-R74,R77
32	32	13-00488-00	12.0	K .25 W 5.0 % CF	2	R57,R76
33	33	13-01322-00	180.0	.25 W 5.0 % CF	6	R22-R25,R29,R42
34	34	13-01401-00	750.0	.25 W 5.0 % CF	1	R49
35	35	13-01425-00	300.0	.25 W 5.0 % CF	1	R50
36	36	13-01972-00	270.0	.25 W 5.0 % CF	2	R55,R60
37	37	13-02379-00	75.0	.25 W 5.0 % CF	1	R56
38	38	13-02514-00	39.0	K .25 W 5.0 % CF	1	R38
39	39	13-02860-00	11.50	K .25 W 1.0 % RN55D-F10	1	R41
40	40	13-05346-00	27.0	K .25 W 5.0 % CF	5	R43-R47
41	41	13-09143-07	D 1.0	K .75 W10.0 % POT	1	R27
42	42	13-14251-00	61.90	K .25 W 1.0 % RN55D-F10	1	R40
43	43	13-16395-00	R. NET	4.7K- 9 2.0	3	R12-R14
44	44	13-17399-00	A 6.49	K .25 W 1.0 % RN55D-F10	1	R20
45	45	15-09338-00	DEC6531B	NPN 310MW SI 40 90 P	1	Q1
46	46	16-18238-02	A BEAD,FERRITE	.1380DX.330LG	7	L1,L2,L4-L8
47	47	18-11660-41	OSCILLATOR, XTAL	22.896 MHZ	1	Y2
48	48	18-15860-C1	OSCILLATOR, XTAL	16.000 MHZ	1	Y1
49	49	19-09928-00	7416	INVERTER GATE-HEX 1I	1	E35
50	50	19-09929-00	7417	BUFFER GATE-HEX 1INP	1	E49
51	51	19-11219-00	7438	NAND GATE-QUAD 2IN,B	1	E36
52	52	19-21330-01	A 74F257	MUX,QUAD,2-IN	2	E18,E19
53	53	19-12697-00	LS174	FF-D HEX W/CLEAR	1	E37
54	54	19-12799-00	A LS00	NAND-GATE-QUAD 2IN,P	1	E34
55	55	19-12803-00	B LS04	INVERTER GATE,HEX	1	E3
56	56	19-12805-00	B LS08	AND GATE-QUAD 2IN,PO	1	E52
57	57	19-12858-00	C LS221	ONE SHOT-DUAL,SCHMIT	1	E23
58	58	19-13340-00	A 74S32	OR GATE-QUAD 2IN	1	E39
59	59	19-13471-00	A LS367	DRIVER,BUS,HEX,TRI-S	3	E17,E20,E55
60	60	19-14156-00	LM 393	VOLT,COMPARATOR DUAL	1	E46
61	61	19-14214-00	C LS374	FF-D OCTAL EDGE TRIG	2	E27,E28
62	62	19-15123-03	D 26LS32-3	RECEIVER,LINE RS232	2	E47,E48
63	63	19-15219-00	LS373	FF-D OCTAL-TRANSPARE	1	E2
64	64	19-15415-00	D 9636	DRIVER,DUAL,EIA RS-4	2	E50,E51
65	65	19-15758-01	D LS166	SHIFT REG. 8BIT PARA	1	E41
66	66	19-21314-01	A 74F74	FF-D,DUAL,POS.,EDGE	1	E38
67	67	19-22821-01	A 74S136	EXCLUSIVE OR GATE	2	E40,E53
68	68	21-13937-00	B UART 125K BUAD		2	E43,E44
69	69	21-17872-01	A	RAM 2KX8 I/O MUXD 20	1	E1
70	70	#SEE NOTE 2	21-18467-02	8264-15 RAM 64K X1,150NS 1	12	E5-E16
71	71		21-18823-00	1793-02 FLOPPY DISK FORMAT	1	E22
72	72		21-18856-00	CONTROLLER,MULTI-PROTOCOL SERIAL	1	E45
73	73		21-20065-01	9007 CONTROLLER,CRT	1	E26
74	74		21-20066-01	A BUFFER,SINGLE ROW	2	E31,E32
75	75		21-22664-03	A DC382 GATE ARRAY - JEDEC PKG	1	E30
76	76		21-22665-03	A DC381 GATE ARRAY - JEDEC PKG	1	E25
77	77	#SEE NOTE 4	21-22803-01	A 6120 MICROPROCESSOR,12-BI	1	E21
78	78		23-8M1 -00	A M1-01	1	E4
79	79		23-97K5 -00	A K5-01	1	E24

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DMIII SYSTEM BOARD			K	PL	5416489-1-DBP	J

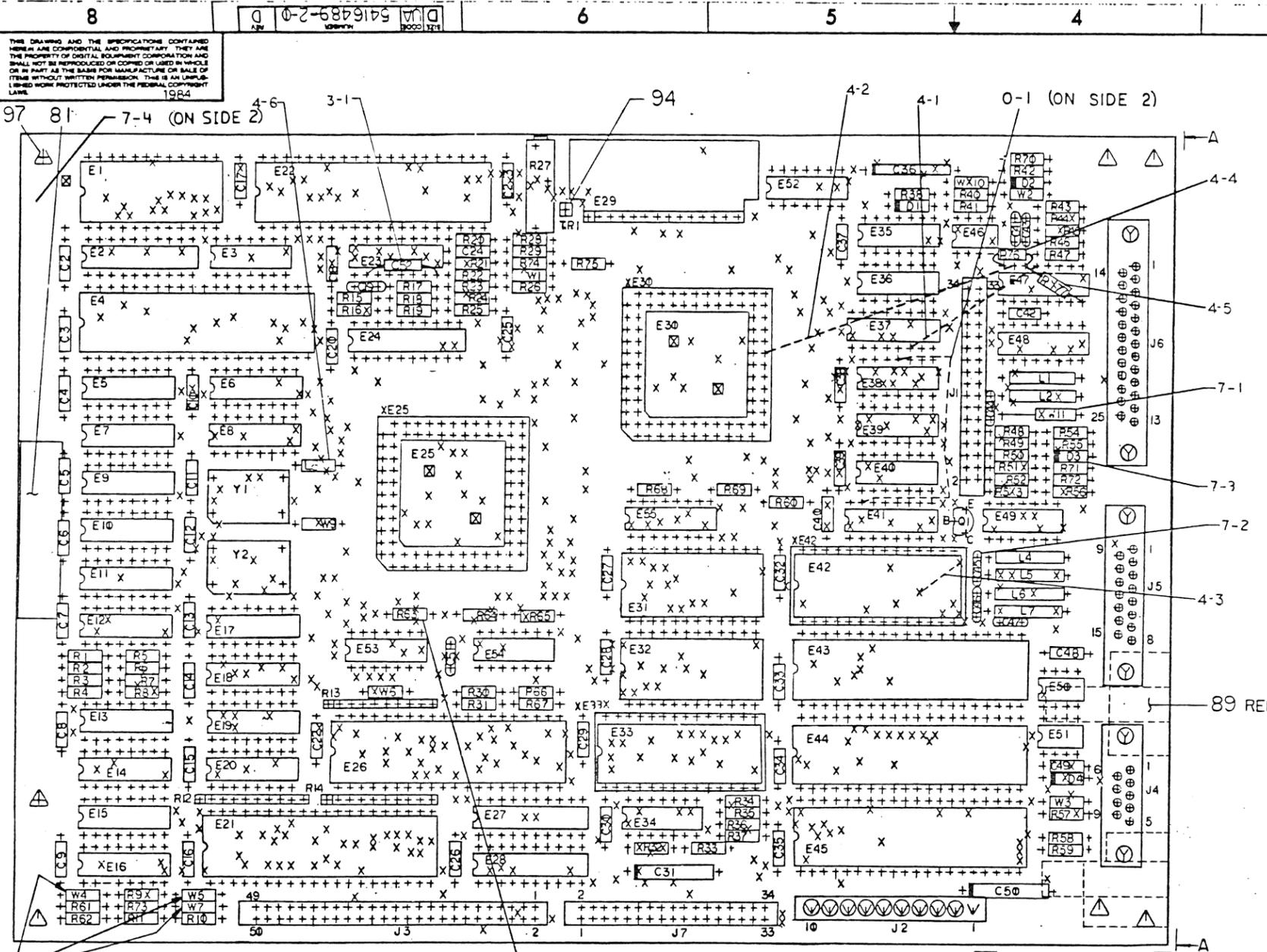


LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
						01 E2	
80	80	#SEE NOTE 3	23-330E4-00	A E4-06		U 1	E33
81	81		36-18460-01	B LABEL, BAR CODE BLANK	.38 X1.5	1	
82	82		57-22695-01	A HYBRID, ASSY,	CHIP, WIRE P	1	E29
83	83		90-08301-01	A *** THIS ITEM IS NOT USED ***		-	
84	84	#SEE NOTE 4	90-09185-00	B JUMPER, WIRE, INSULATED, BLACK	B	8	W1-W4, W6, W9-W11
85	85		13-00295-00		330.0 .25 W 5.0 %	CF 2	R10, R63
86	86		13-04858-00		348.0 .25 W 1.0 %	RN55D-F10 1	R64
87	87		13-01424-00		680.0 .25 W 5.0 %	CF 1	R67
88	88	C-MD-7430831-0-0	74-30831-01	A CLIP, GROUND W/CUTOUT		1	
89	89	C-MD-7430831-0-0	74-30831-02	A CLIP, GROUND W/O CUTOUT		1	
90	90		19-12824-00		LS74 FF-D DUAL, EDGE TRIGG	1	E54
91	91		23-331E4-00	A E4-06, E4-07	ROM-U	1	E42
92	92		91-05740-55	F WIRE (WRAP)	30AWG KYNAR UL14	A/R	
93	93		91-07750-00	B *** THIS ITEM IS NOT USED ***		-	
94	94		90-09743-00	A POST, WIRE WRAP		1	TP1
95	95	B-MD-7430929-0-0	74-30929-01	A PAD, GROUND CLIP		2	
96	96		10-00022-00		270 PFD 100V +/- 5% 200PP	1	C51
97	97		12-23865-01	A SLEEVE, NYLON		2	
98	98		90-06010-01	A SCREW, MACH PAN PHIL	4-	6	
99	99		11-05873-00		VZ= 5.1 1% .400MW	1	D3
100	100	#SEE NOTE 4	21-18172-01	*** THIS ITEM IS NOT USED ***		-	
101	101	#SEE NOTE 2	21-20549-02		64K MOS RAM 150NS	1 A/R	
102	102	#SEE NOTE 3	23-371E4-00	E4-06, E4-07, E4-11		A/R	

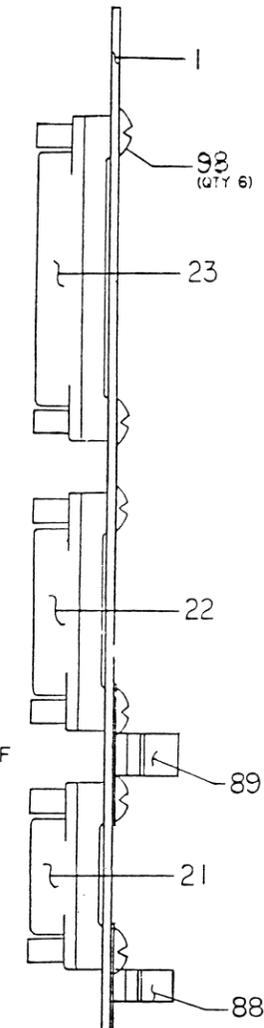
- 1 GEN: 1. THIS 50 CLASS PART IS MARKED AT REV D2, TOP DOC. IS B-DD-5416489-0.
- 2 GEN: 2. PART 2118467-02 AND 2120549-02 ARE INTERCHANGEABLE BUT EACH MODULE
- 3 GEN: MUST CONTAIN ONE PART # ONLY.
- 4 GEN: 3. PART 23330E4-00 AND 23371E4-00 ARE INTERCHANGEABLE
- 5 GEN: 4. WHEN E21 IS 2122803-01 USE W4, DO NOT USE W5.
- 6 GEN: 5. USE AMP PART # OR EQUIVALENT.

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DMIII SYSTEM BOARD			K	PL	5416489-1-DBP	J

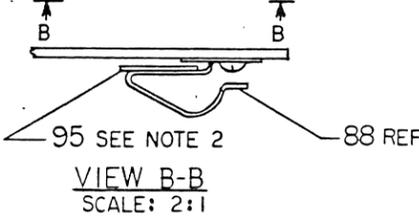




- NOTES:
1. W7 IS NOT INSERTED
  2. WHEN ASSEMBLING, THE PAD SHOULD OVER HANG THE EDGE OF THE GROUNDING CLIP
  3. WHEN E21 IS 2122803-01 INSERT W4  
WHEN E21 IS 2118172-01 INSERT W5



CAUTION: OFF SHEET PARTS LIST EXIST  
SEE K-PL-5416489-2-DBP (ML808)



REV.	ECO NUMBER	DATE
A	INT -REL	12/84
B	5416489-TA003	2/85
C	5416489-TA004	3/85
D	5416489-TA007	7/85

DESCRIPTION		DRAWING NO.	PART NO.	DEPT NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)				
INCHES TOLERANCES	ANGLES ± 0°30'	APPLICABLE DIMENSION RANGE	DIMENSION RANGE IN INCHES	
X ± .1		(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2
X ± .02		<input type="checkbox"/>	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
X ± .005		<input type="checkbox"/>	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
	SURFACE QUALITY	<input checked="" type="checkbox"/>	± .02	± .05
		<input type="checkbox"/>	± .04	± .08
QUANTITY & VARIATION	MICROINCHES	<input type="checkbox"/>	± .012	± .015
		<input type="checkbox"/>	± .024	± .04
THIRD ANGLE PROJECTION	DRW: <i>J. Rogich</i>	DATE: 31 DEC 84	TITLE: digital	
DO NOT SCALE DRAWING	CHKD: <i>J. Rogich</i>	DATE: 31 DEC 84	DM III	
REMOVE BURRS AND BREAK SHARP CORNERS	DES ENG: J KIRK	DATE: 9 JAN 85	SYSTEM BOARD	
MATERIAL	RESP ENG: J KIRK	DATE: 9 JAN 85	DOCUMENT NUMBER	
SEE PARTS LIST	MFG ENG: <i>J. Rogich</i>	DATE: 9 JAN 85	SIZE CODE: D	NUMBER: UJA 5416489-2-0 D
FINISH	TOP DOW. NO.: B-DD-5416489-0		SCALE: 2 / 1	SHEET: 1 OF 2



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ECO NUMBER 5416489-2-0

REWORK INSTRUCTIONS

WIRE ADD SIDE 1 AS SHOWN (ITEM 92)

0-1 FROM E38-11 TO E41-15 (ON SIDE 2)

CAPACITOR ADD SIDE 1 AS SHOWN (ITEM 2) TO BE C52

3-1 BETWEEN E23-2 AND E23-8

WIRE ADD SIDE 2 AS SHOWN (ITEM 92)

4-1 FROM E37-6 TO E47-13

4-2 FROM E47-15 TO E30-45

4-3 FROM J3-31 TO Q1 EMITTER

RESISTORS ADD SIDE 1 AS SHOWN

4-4 BETWEEN E47-14 AND E47-16 (ITEM 32) TO BE R76

4-5 BETWEEN E47-8 AND E47-14 (ITEM 31) TO BE R77

BEAD ADD SIDE 1 AS SHOWN (ITEM 46)

4-6 W8 IS REPLACED WITH A BEAD TO BE L8

6-1 REMOVE R63 PART NO. 1301424-00, ADD R63 PART NO. 1300295-00

7-1 L3 IS REPLACED WITH JUMPER (ITEM 84) TO BE W11

7-2 REMOVE C45

7-3 REMOVE D3 PART NO. 1110994-00, ADD D3 PART NO. 1105873-00

7-4 REMARK 5416489-01 REV D1 TO 5416489-01 REV E1

REVISION HISTORY		
REV.	ECO NUMBER	DATE

TITLE  
DM III SYSTEM BOARD

DOCUMENT NUMBER		
SIZE CODE	NUMBER	REV
DUA	5416489-2-0	D

SCALE → SHEET 1 OF 1

REV D  
NUMBER 5416489-2-0  
SIZE CODE DUA

BPO1



LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
					01 E1	
1	#SEE NOTE 1	50-16488-01	D	CIRCUIT DRILL & ETCH	1	
2		10-00014-00		68 PFD 100V +/- 5% 200PP	2	C19,C52
3		10-00020-00		*** THIS ITEM IS NOT USED ***	-	
4		10-00024-00		470 PFD 100V +/- 5% 200PP	4	C43,C44,C46,C47
5		10-04813-00		10 MFD 20V +/-10% SOL	2	C31,C50
6		10-05636-00		22 MFD 6.0V +/-10% SOL	1	C36
7		10-10274-00		0.22 MFD 50V +80/-20% Z5U C	1	C41
8		10-12784-00		0.047MFD 50V +80/-20% Z5U C	37	C2-C18,C20,C22,C23,C25-C30, CONT C32-C35,C37-C40,C42,C48,C49
9		10-13466-45		220 PFD 50V +/- 1% NPO C	1	C24
10		11-05275-00		PIV= 60 IO=300 MA -15NS	1	D1
11		11-05796-01		PIV= 400 IO= 1.00A D0-41	1	D4
12		11-10994-00		*** THIS ITEM IS NOT USED ***	-	
13		11-23596-01		VZ= 3.6 500MW 1N5989C	1	D2
14		12-16655-05		CARD EDGE 50PIN(2X25).100CC STR	1	J3
15		12-15006-07		SKT,IC 28PIN DIP TIN SOLD	2	XE33,XE42
16		12-15006-08		*** THIS ITEM IS NOT USED ***	-	
17		12-15699-08		PCB,HEADER 10POS(1X10).150CC STR	1	J2
18		12-18762-00		CONN,P+S 34POS(2X17).100CC	1	J7
19		12-19952-01		PCB HEADER 34PIN(2X17).100CC STR	1	J1
20	SEE NOTE 5	12-21158-02		SKT,IC 84PIN CHIP CARRIER	2	XE25,XE30
21		12-22893-01		CONN,D SUB 9PIN ASSY STR GOLD	1	J4
22		12-22893-02		CONN,D SUB 15PIN ASSY STR GOLD	1	J5
23		12-22893-03		CONN,D SUB 25PIN ASSY STR GOLD	1	J6
24		13-00197-00		33.0 .25 W 5.0 % CF	1	R54
25		13-00202-00		47.0 .25 W 5.0 % CF	8	R1-R8
26		13-00229-00		100.0 .25 W 5.0 % CF	1	R75
27		13-00309-00		390.0 .25 W 5.0 % CF	1	R48
28		13-00365-00		1.0 K .25 W 5.0 % CF	2	R51,R52
29		13-00391-00		1.50 K .25 W 5.0 % CF	1	R62
30		13-00447-00		4.70 K .25 W 5.0 % CF	16	R9,R11,R15,R17,R19,R30,R31, CONT R33-R37,R53,R65,R68,R70

REVISION HISTORY			KPL MODULE FORMAT		SECTION A OF A	DRN: E. NOURIE	DIGITAL			
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX			DATE: 02-JAN-85				
---	INITIAL	A	[A]	01	[M]	CHK'D: P. SULLIVAN	TITLE PARTS LIST			
JR	5416489-TA003	B	[B]		[N]	DATE: 02-JAN-85	DM111 SYSTEM BOARD			
JR	5416489-TA004	C	[C]		[P]	DES.ENG: J. ROGICH				
JR	5416489-TA005	D	[D]		[Q]	DATE: 02-JAN-85	DOCUMENT NUMBER			
JR	5416489-TA006	E	[E]		[R]	RESP.ENG.: J. ROGICH	SIZE	CODE	NUMBER	REV
JR	5416489-TA007	F	[F]		[S]	DATE: 02-JAN-85	K	PL	5416489-2-DBP	J
DP	5416489-ML008	H	[H]		[T]	MFG.ENG: C. TANNER	RELEASE DATE: 05-JAN-87			
LB	5416489-ML009	J	[J]		[V]	DATE: 02-JAN-85	RELEASE STATUS: RELEASED			
			[K]		[W]					
			[L]		[Y]					
BASIC PART NUMBER:			ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
5416489			D-UA-5416489-2-0		B-DD-5416489-0		ML808J.PLS		1	

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LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
						01 E1	
31	31		13-00479-00	10.0 K	.25 W 5.0 % CF	16	R16,R18,R21,R26,R28,R32,R58, CONT R59,R61,R66,R69,R71-R74,R77
32	32		13-00488-00	12.0 K	.25 W 5.0 % CF	2	R57,R76
33	33		13-01322-00	180.0	.25 W 5.0 % CF	6	R22-R25,R29,R42
34	34		13-01401-00	750.0	.25 W 5.0 % CF	1	R49
35	35		13-01425-00	300.0	.25 W 5.0 % CF	1	R50
36	36		13-01972-00	270.0	.25 W 5.0 % CF	2	R55,R60
37	37		13-02379-00	75.0	.25 W 5.0 % CF	1	R56
38	38		13-02514-00	39.0 K	.25 W 5.0 % CF	1	R38
39	39		13-02860-00	11.50 K	.25 W 1.0 % RN55D-F10	1	R41
40	40		13-05346-00	27.0 K	.25 W 5.0 % CF	5	R43-R47
41	41		13-09143-07	1.0 K	.75 W10.0 % POT	1	R27
42	42		13-14251-00	61.90 K	.25 W 1.0 % RN55D-F10	1	R40
43	43		13-16395-00	R. NET	4.7K- 9 2.0	3	R12-R14
44	44		13-17399-00	6.49 K	.25 W 1.0 % RN55D-F10	1	R20
45	45		15-09338-00	DEC6531B	NPN 310MW SI 40 90 P	1	Q1
46	46		16-18238-02	BEAD,FERRITE	.1380DX.330LG	7	L1,L2,L4-L8
47	47		18-11660-41	OSCILLATOR, XTAL	22.896 MHZ	1	Y2
48	48		18-15860-01	OSCILLATOR, XTAL	1E.000 MHZ	1	Y1
49	49		19-09928-00	7416	INVERTER GATE-HEX 1I	1	E35
50	50		19-09929-00	7417	BUFFER GATE-HEX 1INP	1	E49
51	51		19-11219-00	7438	NAND GATE-QUAD 2IN,B	1	E36
52	52		19-21330-01	74F257	MUX,QUAD,2-IN	2	E18,E19
53	53		19-12697-00	LS174	FF-D HEX W/CLEAR	1	E37
54	54		19-12799-00	LS00	NAND-GATE-QUAD 2IN,P	1	E34
55	55		19-12803-00	LS04	INVERTER GATE,HEX	1	E3
56	56		19-12805-00	LS08	AND GATE-QUAD 2IN,PO	1	E52
57	57		19-12858-00	LS221	ONE SHOT-DUAL,SCHMIT	1	E23
58	58		19-13340-00	74S32	OR GATE-QUAD 2IN	1	E39
59	59		19-13471-00	LS367	DRIVER,BUS,HEX,TRI-S	3	E17,E20,E55
60	60		19-14156-00	LM 393	VOLT.COMPARATOR DUAL	1	E46
61	61		19-14214-00	LS374	FF-D OCTAL EDGE TRIG	2	E27,E28
62	62		19-15123-03	26LS32-3	RECEIVER,LINE RS232	2	E47,E48
63	63		19-15219-00	LS373	FF-D OCTAL-TRANSPARE	1	E2
64	64		19-15415-00	9636	DRIVER,DUAL,EIA RS-4	2	E50,E51
65	65		19-15758-01	LS166	SHIFT REG. 8BIT PARA	1	E41
66	66		19-21314-01	74F74	FF-D,DUAL,POS.,EDGE	1	E38
67	67		19-22821-01	74S136	EXCLUSIVE OR GATE	2	E40,E53
68	68		21-13937-00	UART 125K BUAD		2	E43,E44
69	69		21-17872-01		RAM 2KX8 I/O MUXD 20	1	E1
70	70	#SEE NOTE 2	21-18467-02		8264-15 RAM 64K X1,150NS 1	12	E5-E16
71	71		21-18823-00		1793-02 FLOPPY DISK FORMAT	1	E22
72	72		21-18856-00		CONTROLLER,MULTI-PROTOCOL SERIAL	1	E45
73	73		21-20065-01		9007 CONTROLLER,CRT	1	E26
74	74		21-20066-01		BUFFER,SINGLE ROW	2	E31,E32
75	75		21-22664-03	DC382	GATE ARRAY - JEDEC PKG	1	E30
76	76		21-22665-03	DC381	GATE ARRAY - JEDEC PKG	1	E25
77	77	#SEE NOTE 4	21-22803-01		6120 MICROPROCESSOR,12-BI	1	E21
78	78		23-8M1 -00	M1-01		1	E4
79	79		23-97K5 -00	K5-01		1	E24

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DM111 SYSTEM BOARD			K	PL	5416489-2-DBP	J



LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV	REFERENCE DESIGNATORS
					01 E1	
80	80 #SEE NOTE 3	23-330E4-00	E4-06		U 1	E33
81	81	36-18460-01		LABEL, BAR CODE BLANK .38 X1.5	1	
82	82	57-22695-01		HYBRID, ASSY, CHIP, WIRE P	1	E29
83	83	90-08301-01		*** THIS ITEM IS NOT USED ***	-	
84	84 #SEE NOTE 4	90-09185-00		JUMPER, WIRE, INSULATED, BLACK B	8	W1-W4, W6, W9-W11
85	85	13-00295-00		330.0 .25 W 5.0 % CF	2	R10, R63
86	86	13-04858-00		348.0 .25 W 1.0 % RN55D-F10	1	R64
87	87	13-01424-00		680.0 .25 W 5.0 % CF	1	R67
88	88 C-MD-7430831-0-0	74-30831-01		CLIP, GROUND W/CUTOUT	1	
89	89 C-MD-7430831-0-0	74-30831-02		CLIP, GROUND W/O CUTOUT	1	
90	90	19-12824-00		LS74 FF-D DUAL, EDGE TRIGG	1	E54
91	91	23-331E4-00		E4-06, E4-07 ROM-U	1	E42
92	92	91-05740-55		WIRE (WRAP) 30AWG KYNAR UL14	A/R	
93	93	91-07750-00		*** THIS ITEM IS NOT USED ***	-	
94	94	90-09743-00		POST, WIRE WRAP	1	TP1
95	95 B-MD-7430929-0-0	74-30929-01		PAD, GROUND CLIP	2	
96	96	10-00022-00		270 PFD 100V +/- 5% 200PP	1	C51
97	97	12-23865-01		*** THIS ITEM IS NOT USED ***	-	
98	98	90-06010-01		SCREW, MACH PAN PHIL 4-	6	
99	99	11-05873-00		VZ= 5.1 1% .400MW	1	D3
100	100 #SEE NOTE 4	21-18172-01		*** THIS ITEM IS NOT USED ***	-	
101	101 #SEE NOTE 2	21-20549-02		64K MOS RAM 150NS 1	A/R	
102	102 #SEE NOTE 3	23-371E4-00		E4-06, E4-07, E4-11	A/R	

- 1 GEN: 1. THIS 50 CLASS PART IS MARKED AT REV D3, TOP DOC IS B-DD-5416489-0.
- 2 GEN: 2. 2118467-02 AND 2120549-02 ARE INTERCHANGEABLE BUT EACH MODULE
- 3 GEN: MUST CONTAIN ONE PART NUMBER ONLY
- 4 GEN: 3. PART 23330E4-00 AND PART 23371E4-00 ARE INTERCHANGEABLE.
- 5 GEN: 4. WHEN E121 IS 2122803-01 USE W4, DO NOT USE W5
- 6 GEN: 5. USE AMP PART # OR EQUIVALENT.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DM111 SYSTEM BOARD		K	PL	5416489-2-DBP	J

