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FIELD MAINTENANCE PRINT SET

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TABLE OF CONTENTS

	B-TC-PC278-0-1	DECMATE II
	E-UA-PC278-0-DBU	DECMATE II
	K-PL-PC278-0-DBP	DECMATE II (PL)
	B-DD-PC278-0	DECMATE II (DRAWING DIRECTORY ONLY)
	B-DD-5415426-0	DECMATE II (DRAWING DIRECTORY ONLY)
	E-UA-5415426-0-DBU	DECMATE II
	K-PL-5415426-0-DBP	DECMATE II (PL)
	D-CS-5415426-0-1	DECMATE II
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	D-AD-7019973-0-DBU	CPU ASSY. DECMATE II
	K-PL-7019973-0-DBP	CPU ASSY. DECMATE II (PL)
**	K-PL-KK612-0-DBP	CPU ASSY. (FIELD SERVICE)
	E-UA-5415426-0-1	DECMATE II
	K-PL-5415426-0-DBP1	DECMATE II (PL)
	D-CS-5415426-0-2	DECMATE II

UNIT VARIATIONS COVERED BY THIS PRINT SET
PC278-A
PC278-AN
PC278-A1
PC278-AB
PC278-A2
PC278-A3

** USED FOR DIRECT REPLACEMENT OF 7019973-0-DBU BY FIELD SERVICES

DECMATE II.

PC278

Field Maintenance Print Set

Digital Equipment Corporation

Print Set Part Number MP- 01492-00

REVISION HISTORY		
REV.	ECO NUMBER	DATE
A	INITIAL	
B	PC278-ML003	7 DEC 83
C	PC278-ML006	04MAY84
D	PC278-ML007	16JAN84

DRN. D. HEALY	DATE 12 OCT. 82	TITLE DECMATE II
CHK'D. D. HEALY	DATE 7JAN83	
DES. ENG. JOHN KIRK	DATE 7JAN83	
RESP. ENG. DICK PUCCI	DATE 7JAN83	
FIELD SERVICE CARL CLINE	DATE 7JAN83	
NEXT HIGHER DOC.		

digital

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
B	TC	PC278-0-1	D

SHEET 1 OF 1

DRB 124A

REV D | NUMBER PC278-0-1 | CODE TC | SIZE B

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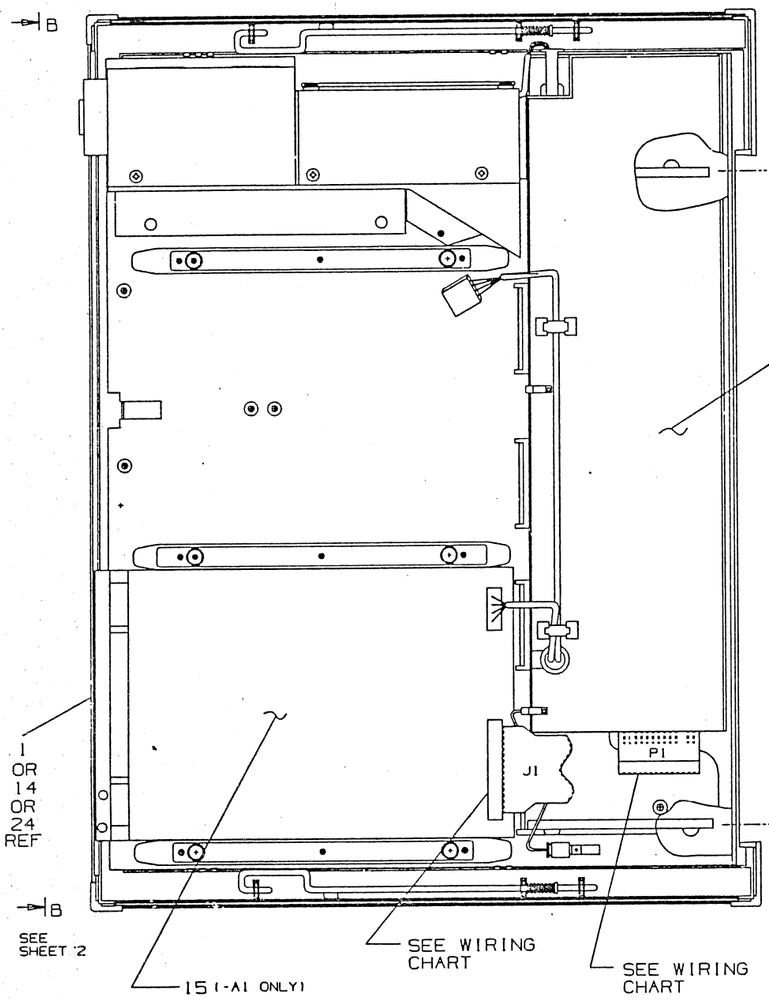
WIRING CHART

ITEM	FROM	TO	REMARKS
	J1 (BA25-B) PART OF ITEM 1	J7 (7019973-00) PART OF ITEM 2	J1 USED TO IDENTIFY CABLE
21	P1 (BA25-B) PART OF ITEM 1	J5 (7019973-00) PART OF ITEM 2	P1 USED TO IDENTIFY CABLE
		J2 (7019973-00) PART OF ITEM 2	CONNECTION SHOWN AS REFERENCE. DO NOT CONNECT BEFORE SHIPPING. SHIP SEPERATELY.

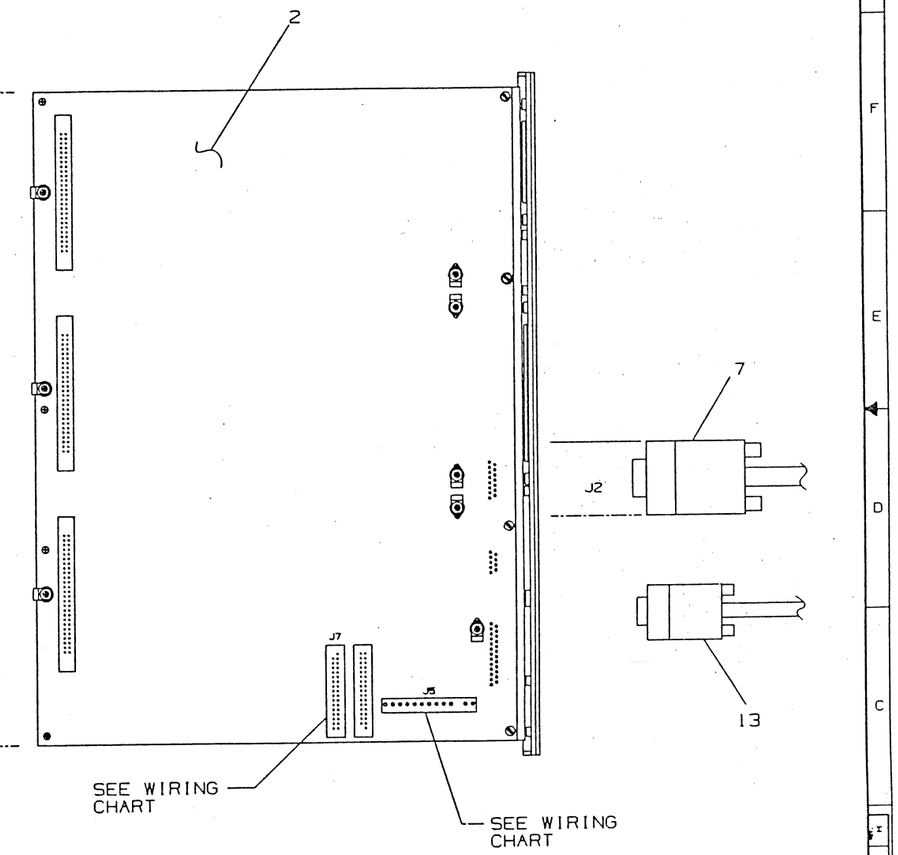
LEGEND

PART NUMBER	
PC278-A	BA25-B, KK612-A 120/240V SET FOR 120V
PC278-AN	NON-FCC COMPLIANT PC278-A
PC278-A1	PC278-A EXCEPT 120V ONLY
PC278-AB	PC278-A (SET FOR 240V)
PC278-A2	BA25-AA, KK612-A 120/240V SET FOR 120V
PC278-A3	BA25-AA, KK612-A 120/240V SET FOR 240V

NOTES:
1. ITEMS 7 AND 13, SHIPPED LOOSE PIECE.
2. ITEM 12, REMAINING LABELS, WILL BE SHIPPED LOOSE PIECE.
3. DELETED.
4. PLACE ITEM 18, 22 OR 23 OVER A.C. PWR INLET.



SHOWN WITH COVER REMOVED



CAUTION: OFF SHEET PARTS LIST EXISTS REFER TO K-PL-PC278-0-DBP

REVISIONS			
CH	CHANGE NO.	REV.	
	INITIAL PER ECN/ADJ 464	A	
	PC278-M.002	B	
	SM GILCHER SHOWED D.PUCCI		
	PC278-M.003	C	
	SM GILCHER 18 DEC 82 D.PUCCI		
	PC278-AA.004	D	
	S.AZEVEDO 27FEB83 A.JONES		
	PC278-M.005	E	
	W.WITHAM 7 JUN 84		
	PC278-M.006	F	
	S.AZEVEDO 14 MAY 84 A.JONES		
	PC278-M.007	H	
	A.GUTHRIE 17-JAN-85 A.JONES		

	DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)			
NEXT HIGHER ASSY	B-DO-PC278-0			
QUANTITY & VARIATION				
THIRD ANGLE PROJECTION				
DO NOT SCALE DRAWING				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	SEE PARTS LIST			
FINISH	NONE			

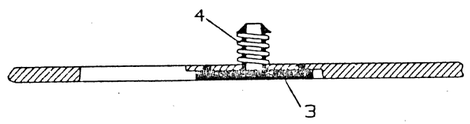
DRAWN	S.AZEVEDO	23JUL82
CHK'D	D.HEALY	15DEC82
ENGR	D.MOORE	15DEC82
MFG	D.PUCCI	15DEC82
TOP DWG	B.PORTER	15DEC82
	B-DO-PC278-0	

TITLE: DECMATE II

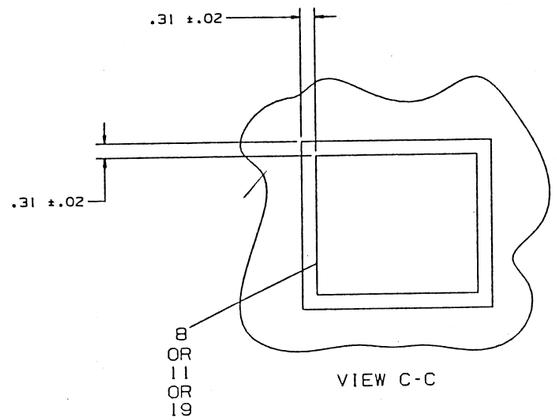
DOCUMENT NUMBER: SIZE E, CODE UA, PC278-0-DBU, REV H

SCALE 1/1 SHEET 1 OF 2

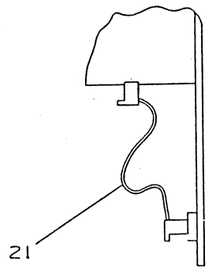
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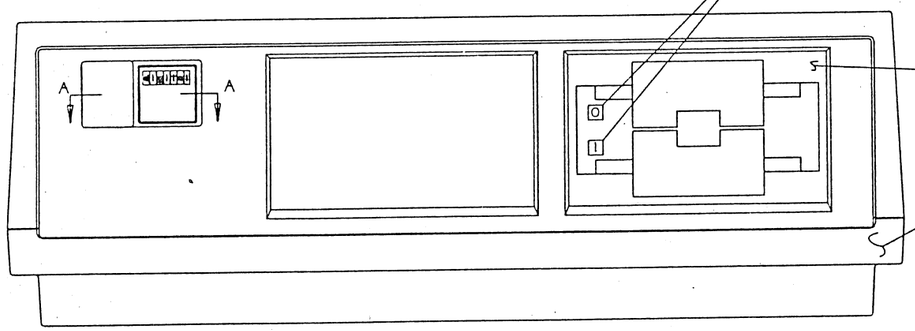
SECTION A-A
SCALE 2/1



VIEW C-C

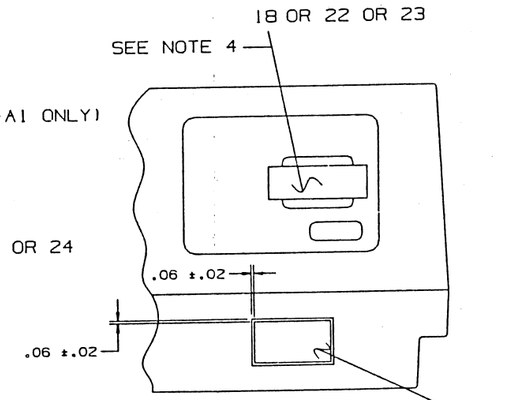


VIEW E-E



VIEW B-B
ROTATED 90°CCW
(SHOWN WITH COVER
PART OF ITEM 1)

C C



VIEW D-D
ROTATED 90° CW
SHOWN WITH "COVER"
PART OF ITEM 1

REVISION HISTORY		
DATE	ECO HISTORY	REV

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
DECMATE II	E	UA	PC278-0-DBU	H
	SCALE 1/1		SHEET 2 OF 2	

AUTOMATED BY PRTLST,4Q(47)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION VARIATION REVISION LEVEL:	QTY PER VARIATION A A2	 AN A3	 A1 A2	 AB A1	 A2 A1	 A3 A1
1	1	E-UA-BA25-0-0	BA25 -B		BA25-A,RX50-AA,H7842-A,120/240V	1	1	-	1	-	-
2	2	D-AD-7019973-0-0	7019973-00		CPU ASSY, DECMATE	1	1	1	1	1	1
3	3	D-IA-7427256-0-DBU	7427256-04		MEDALLION,DECMATE II	1	1	1	1	1	1
4	4		1220113-01		SPRING,COMPRESSION .3000DX .380	1	1	1	1	1	1
5	5		3618460-06		*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-
6	6	A-PA-3700695-0-0	3700695-01		PKG SYSTEM BA25 SMALL UNIT	1	1	1	1	1	1
7	7		1700283-00		CABLE ASSY,07 COND,MOLD,SHLD 1	1	1	1	1	1	1
8	8		3620218-08		LABEL,PC278	-	-	1	-	-	-
9	9		3616157-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-	-
10	10		3620215-06		LABEL,PWR.RATING CT 120/220-240	-	1	-	-	-	-
11	11		3620218-05		LABEL,REGULATIONS,PC INTERIM	-	1	-	-	-	-
12	12		3620222-01		LABEL,CONFIGURATION	1	1	1	1	1	1
13	13		1700300-00		CABLE ASSY,07 COND,MOLD,SHLD 2	1	1	1	1	1	1
14	14	E-UA-BA25-0-0	BA25 -A		SMALL SYSTEM UNIT ENCLOSURE	-	-	1	-	-	-
15	15	E-UA-RX50-0-DBU	RX50 -AA		DUAL 5.25" SINGLE SIDED FLOPPY D	-	-	1	-	-	-
16	16	E-UA-H7842-0-0	H7842-B		H7842-A EXCEPT 120V ONLY	-	-	1	-	-	-
17	17		3620215-08		LABEL,PWR.RATING CT 120V 3.	-	-	1	-	-	-
18	18		3621750-01		LABEL,PERMANENTLY SET FOR 120V	-	-	1	-	-	-
19	19		3620218-02		LABEL,REGULATIONS,PC 278	1	-	-	1	1	1
20	20		3620215-03		LABEL,PWR.RATING CT 100-120/220	1	-	-	1	-	-
21	21		1700318-02		CABLE ASSY,PC-100B MOTHERBOARD P	1	1	1	1	1	1
22	22		3617905-17		LABEL,WARNING EQUIP. RATING,220-	-	-	-	1	-	1
23	23		3617905-16		LABEL,WARNING EQUIP. RATING,100-	1	1	-	-	1	-
24	24		BA25 -AA		BA25-A,RX50-AA,H7842-D,120/240V	-	-	-	-	1	1
25	25		3620215-13		LABEL,PWR.RATING CT PC278	-	-	-	-	1	1

REVISION HISTORY			BASIC PART NO: PC278	DRN: S. AZEVEDO	DATE: 23-JUL-82	D I G I T A L
ENG	ECO NUMBER	REV	SECTION A OF A			
---	INITIAL	A	SECTION.VARIATION INDEX	CHK'D: D. HEALY	DATE:	TITLE PARTS LIST DECMATE II
DP	PC278-ML002	B	[A]A ,AN,A1,AB,A2,A3			
DP	PC278-ML003	C		DES.ENG: D. MOORE	DATE:	DOCUMENT NUMBER SIZE: K / CODE: PL / NUMBER: PC278-0-DBP / REV: H
AJ	PC278-ML004	D	[B]			
AJ	PC278-ML005	E		RESP.ENG.: D. PUCCI	DATE:	
AJ	PC278-ML006	F	[C]			
AJ	PC278-ML007	H		MFG.ENG.: B. PORTER	DATE:	RELEASE DATE: 21-JAN-85
			[D]			
			[E]	ASSEMBLY NUMBER: #B-DD-PC278-0	TOP DOCUMENT NUMBER: #B-DD-PC278-0	FILE NAME: Z5233H.PLS / EDIT #: 4
			[F]			

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LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION A	AN	A1	AB	A2	A3
				VARIATION REVISION LEVEL:	A2	A3	A2	A1	A1	A1

26 NOTE: PART NO. 1700318-01 IS AN ACCEPTABLE ALTERNATE FOR ITEM 21.

D I G I T A L	TITLE DECMATE II	SECTION A OF A	SIZE K	CODE PL	DOCUMENT NUMBER PC278-0-DBP	REV H

SIZE	CODE	NUMBER	REV
B	DD	PC278-0	E

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																
		PC278-A	BA25-B, KK612-A, 120/240V	A	A	A	A1	A1	A1	A2	A2									
B-TC-PC278-0-1			TABLE OF CONTENTS	A	A	A	B	B	B	C	D									
E-UA-PC278-0-DBU			UNIT ASSY	A	A	B	C	D	E	F	H									
K-PL-PC278-0-DBP			PARTS LIST	A	A	B	C	D	E	F	H									
		MP-01492-00	PRINT SET								REF									
		PC278-AN	NON-FCC COMPLAINT PC278-A 120/240V	A	A	A	A1	A1	A2	A3	A3									
		PC278-A1	PC278-A EXCEPT 120V ONLY				A1	A1	A2	A2	A2									
		PC278-AB	PC278-A SET FOR 220-240V							A1	A1									
		PC278-A2	BA25-AA, KK612-A, SET FOR 120V								A1									
		PC278-A3	BA25-AA, KK612-A, SET FOR 240V								A1									

NOTES:

REVISION HISTORY																				
REV.							C	D	E											
ECO NO.	INITIAL	ML001	ML002	ML003	ML004	PC278-ML005	PC278-ML006	PC278-ML007												
DATE						27 MAR84	04 MAY84	16-JAN 84												

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1984

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DRN. D. HEALY	DATE 12OCT82	TITLE DECMATE II
CHK'D D. HEALY	DATE 07JAN83	DOCUMENT NUMBER
DES. ENG. DICK PUCCI	DATE 07JAN83	SIZE B / CODE DD / NUMBER PC278-0 / REV. E
RESP. ENG. DICK PUCCI	DATE 07JAN83	SHEET 1 OF 1
MFG. ENG. B. PORTER	DATE 07JAN83	

SIZE	CODE	NUMBER	REV.
B	DD	5415426-0	L

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION
		5415426-00	DECMATE II
E-UA-5415426-0-0	1		DECMATE II
K-PL-5415426-0-DBP	5		DECMATE II
K-PC-5415426-0-DBC			PC DESIGN DATA BASE
D-CS-5415426-0-1	16		DECMATE II
		5015425-00	ETCHED CIRCUIT BOARD
B-DD-5015425-0-0	1		DRAWING DIRECTORY
		5415426-00	
E-UA-5415426-0-1			DECMATE II
K-PL-5415426-0-DBP1			DECMATE II
D-CS-5415426-0-2			
		5015425-00	

REVISIONS

C	D1	E1	F1	F1	F3	F4	H1	
C	D	E	E	E	F	F	F	
C	D	E	F	H	J	K	L	
CP3	D	D	D	D	D	D	D	
C	D	E	F	F	F	H	J	
C	D1	D1	D1	D1	D1	D1	D1	
A	B	C	C	C	C	C	C	
		E2	F2	F2	F2	F5	H2	
		A	A	A	A	A	A	
		A	B	B	B	C	D	
		A	B	B	B	C	D	
		C	C	C	C	C	C	

NOTES: REF. B-DD-5415426-0 REV-B FOR EARLIER REVS,

REVISIONS	REV.	CHG NO.	DATE
	C	ML002	3-83
	D	ML003	5-83
	E	ML004	10-83
	F	ML005	1-84
	H	ML006	1-84
	J	ML007	6-84
	K	ML008	11/84
	L	ML009	1-85

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USED ON OPTION/MODEL	
KK612	

DRN.	RONALD RHOADES	30MAR83
CHK'D	KENT GLEEZEN	30MAR83
ENG.	JOHN KIRK	30MAR83
PROD.	BARRY DAVILLI	30MAR83

TITLE: DECMATE II

SIZE	CODE	NUMBER	REV.
B	DD	5415426-0	L

SHEET 1 OF 1

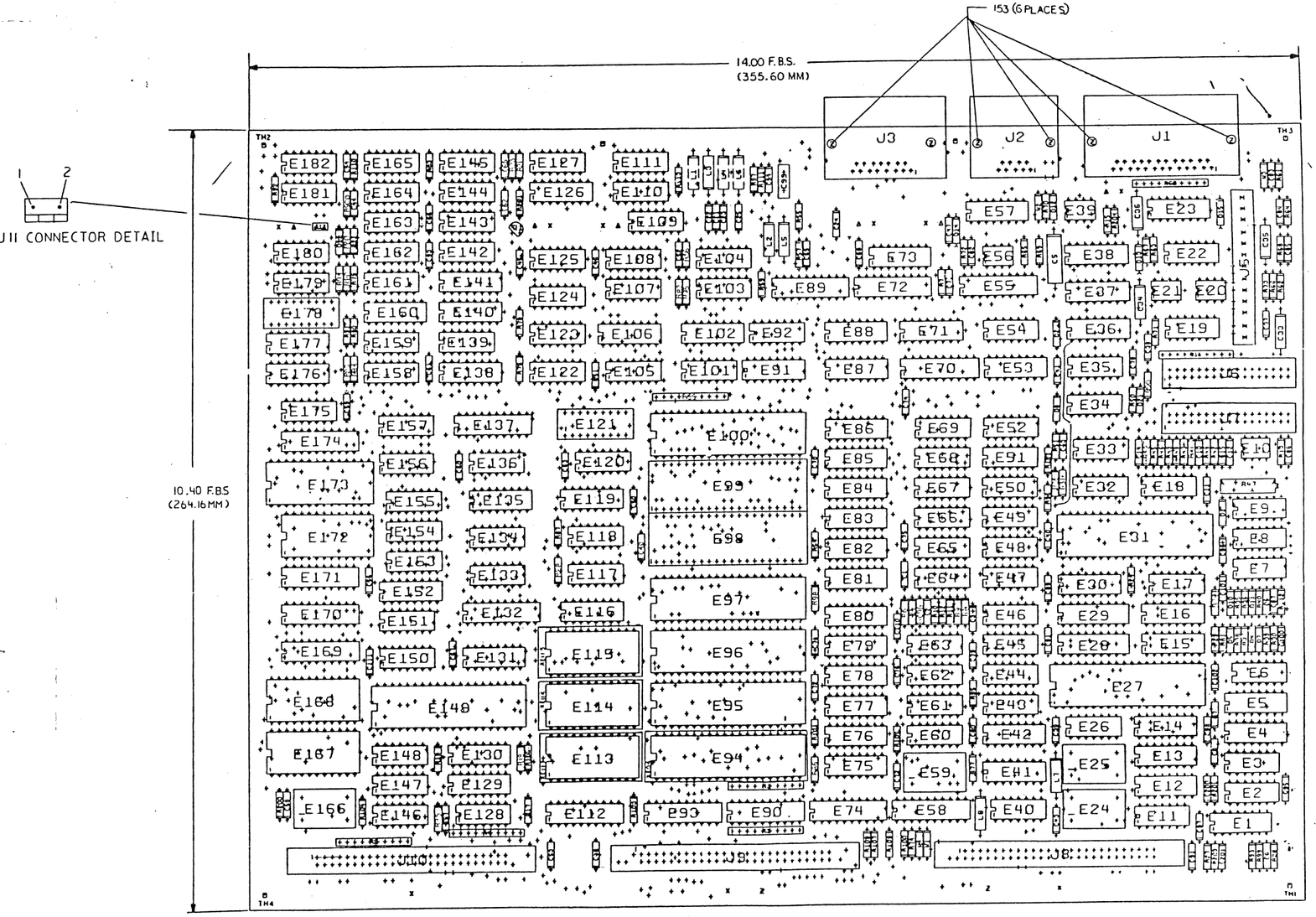
DRB 126

153 (6 PLACES)

14.00 F.B.S.
(355.60 MM)

10.40 F.B.S
(264.16 MM)

J11 CONNECTOR DETAIL



NOTE: LK99, W1 NOT INSERTED

ETCH REV. 002

TOP DOC. NO. B-DD-5415426-0-0

SIGNATURES	DATE
DRN.	
CHK. D.M.	
ENGR.	
PROJ. ENG.	
PROD.	
SCALE 2:1	
SHT. 1 OF 1	

TITLE: DECMATE II

SYSTEM NUMBER: M7760 5415426-0-0 F

digital

EIA 5415426-0-0 F

AUTOMATED BY PRTLST.3P(44) — P A R T S L I S T —

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
1	1	D-MD-5015425-0-0	5015425-00		DRILL&ETCH BOARD 54-15426 DECMAT	1	1	1	
2	2		1000009-00		*** THIS ITEM IS NOT USED ***	-	-	-	
3	3		1000014-00		*** THIS ITEM IS NOT USED ***	-	-	-	
4	4		1000016-00		*** THIS ITEM IS NOT USED ***	-	-	-	
5	5		1000019-00		*** THIS ITEM IS NOT USED ***	-	-	-	
6	6		1000024-00		*** THIS ITEM IS NOT USED ***	-	-	-	
7	7		1005636-00		22 MFD 6V 10% S.TANT	1	1	1	C5
8	8		1001610-00		.01 MFD 50V +80-20% Z5U CER	1	1	1	C10
9	9		1001631-00		*** THIS ITEM IS NOT USED ***	-	-	-	
10	10		1012121-01		*** THIS ITEM IS NOT USED ***	-	-	-	
11	11		1012312-01		*** THIS ITEM IS NOT USED ***	-	-	-	
12	12		1012784-00		.047 MFD 50V +80-20% CER	64	64	64	C14,C15,C37-C41,C43-C54,C56-C63,
								CONT	C65-C89,C93-C98,C100,C101,C91,
								CONT	C90,C102,C110
13	13		1102421-00		VZ= 6.2 5% 400 MW 1N753A	1	1	1	D8
14	14		1105275-00		*** THIS ITEM IS NOT USED ***	-	-	-	
15	15		1110967-00		PIV= 600 IO= 1.00A 1N4005 DO-41	4	4	4	D12-D15
16	16		1110994-00		VZ= 5.1 5% 400 MW 1N751A	2	2	2	D1,D99
17	17		1111577-00		PIV= 50 IO=200 MA - 4NS 1N4454	6	6	6	D4-D7,D21,D2
18	18		1215006-02		*** THIS ITEM IS NOT USED ***	-	-	-	
19	19		1215006-06		SKT,IC 24PIN DIP TIN SOLD	3	3	3	XE113,XE114,XE115
20	20		1215006-07		*** THIS ITEM IS NOT USED ***	-	-	-	
21	21		1215006-08		SKT,IC 40PIN DIP TIN SOLD	1	1	1	XE94
22	22		1215699-05		PCB,HEADER 12POS(1X13).156CC STR	1	1	1	J5
23	23		1219066-01		PCB HEADER 52PIN(2X26).100CC STR	3	3	3	J8-J10
24	24		1219952-01		*** THIS ITEM IS NOT USED ***	-	-	-	
25	25		1220398-01		CONN,D SUB 9PIN ASSY RT ANGLE	1	1	1	J2
26	26		1220398-02		CONN,D SUB 15PIN ASSY RT ANGLE	1	1	1	J3
27	27		1220398-03		CONN,D SUB 25PIN ASSY RT ANGLE	1	1	1	J1
28	28		1300197-00		33.0 .25 W 5.0 % CF	1	1	1	R21

REVISION HISTORY

ENG	ECO NUMBER	REV
---	INITIAL	A
PS	5415426-ML001	B
RP	5415426-ML002	C
DP	5415426-ML003	D
PS	5415426-ML004	E
PS	5415426-ML005	F
DK	5415426-ML006	H
DK	5415426-ML007	J
BD	5415426-ML008	K
DK	5415426-ML009	L

BASIC PART NO: 5415426

SECTION A OF A

SECTION.VARIATION INDEX
[A] AC,AF,AH
[B]
[C]
[D]
[E]
[F]
[H]
[J]
[K]
[L]
[M]
[N]

DRN: JOHN COTE — DATE: 12-MAR-82

CHK'D: MIKE FUNARO — DATE: 12-MAR-82

DES.ENG: JOHN KIRK — DATE: 3-AUG-82

RESP.ENG.: JOHN KIRK — DATE: 3-AUG-82

MFG.ENG.: BARRY DAVILLI — DATE: 3-AUG-82

ASSEMBLY NUMBER: E-UA-5415426-0-0

TOP DOCUMENT NUMBER: B-DD-5415426-0-0

FILE NAME: Z3830L.PLS

EDIT #: 32

D I G I T A L

TITLE: PARTS LIST
DECMATE 2

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	5415426-0-DBP	L

RELEASE DATE: 29-JAN-85

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LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION		QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:					
29	29		1300202-00		47.0 .25 W 5.0 %	CF	2	2	2	R106,R204
30	30		1300250-00		150.0 .25 W 5.0 %	CF	1	1	1	R17
31	31		1300309-00		390.0 .25 W 5.0 %	CF	1	1	1	R22
32	32		1300365-00		1.0 K .25 W 5.0 %	CF	12	12	12	R7,R26,R27,R54,R79,R80,R81,R92,
									CONT	R93,R97,R201,R113
33	33		1300444-00		3.90 K .25 W 5.0 %	CF	1	1	1	R28
34	34		1300447-00		4.70 K .25 W 5.0 %	CF	35	-	-	R18,R19,R24,R30,R59,R61,R74-R78,
									CONT	R83-R91,R98-R105,R107-R112,R200
			CONT				-	35	35	R18,R19,R24,R30,R59,R61,R74-R78,
									CONT	R83-R91,R98-R105,R107,R109-R112,
									CONT	R200,R108
35	35		1300479-00		10.0 K .25 W 5.0 %	CF	7	7	7	R31,R32,R37,R35,R70,R96,R95
36	36		1301322-00		180.0 .25 W 5.0 %	CF	8	8	8	R62-R69
37	37		1301401-00		750.0 .25 W 5.0 %	CF	1	1	1	R20
38	38		1301425-00		300.0 .25 W 5.0 %	CF	1	1	1	R94
39	39		1301808-00		*** THIS ITEM IS NOT USED ***		-	-	-	
40	40		1301972-00		270.0 .25 W 5.0 %	CF	2	2	2	R51,R900
41	41		1302379-00		75.0 .25 W 5.0 %	CF	1	1	1	R23
42	42		1302411-00		511.0 .25 W 1.0 %	RN55D-F10	2	2	2	R38,R40
43	43		1302466-00		100.0 K .25 W 5.0 %	CF	2	2	2	R82,R15
44	44		1302612-00		1.78 K .25 W 1.0 %	RN55D-F10	1	1	1	R50
45	45		1302872-00		681.0 .25 W 1.0 %	RN55D-F1	1	1	1	R52
46	46		1303114-00		1.0 K .25 W 1.0 %	RN55D-F10	3	3	3	R48,R49,R42
47	47		1304854-00		5.11 K .25 W 1.0 %	RN55D-F10	2	2	2	R41,R43
48	48		1304858-00		348.0 .25 W 1.0 %	RN55D-F10	3	3	3	R6,R10,R9
49	49		1304870-00		6.81 K .25 W 1.0 %	RN55D-F10	1	1	1	R44
50	50		1305346-00		27.0 K .25 W 5.0 %	CF	3	3	3	R55-R57
51	51		1309143-07		1.0 K .75 W10.0 %	POT	1	1	1	R47
52	52		1309595-00		1.0 M .25 W 5.0 %	CF	3	3	3	R71-R73
53	53		1313469-00		240.0 .25 W 5.0 %	CF	1	1	1	R13
54	54		1313589-00		1.40 K .25 W 1.0 %	RN55D-F10	2	2	2	R11,R12
55	55		1313752-00		15.0 K .25 W 1.0 %	RN55D-F10	4	4	4	R36,R39,R45,R46
56	56		1316395-00		R NETWORK 9-4.7K 2.0 % 10PIN		5	5	5	R1-R4,R53
57	57		1317399-00		6.49 K .25 W 1.0 %	RN55D-F10	1	1	1	R29
58	58		1320183-01		R NETWORK 9-27K 2.0 % 10PIN		1	1	1	R60
59	59		1320184-01		R NETWORK 9-180 2.0 % 10PIN		1	1	1	R14
60	60		1509338-00		DEC6531B NPN 310MW SI 40 90 P		1	1	1	Q1
61	61		1517999-00		3906 PNP 900MW ARRAY 14PIN		1	1	1	E33
62	62		1618238-02		BEAD,FERRITE .1380DX.330LG		8	8	8	L1-L8
63	63		1811660-02		OSCILLATOR, XTAL 5.0688 MHZ		1	1	1	E166
64	64		1811660-40		OSCILLATOR, XTAL 15.741 MHZ		1	1	1	E24
65	65		1811660-41		OSCILLATOR, XTAL 22.896 MHZ		1	1	1	E59
66	66		1815860-01		OSCILLATOR, XTAL 16.000 MHZ		1	1	1	E25
67	67		1909928-00		7416 INVERTER GATE-HEX 1I		3	3	3	E161,E17,E68
68	68		1909929-00		7417 BUFFER GATE-HEX 1INP		4	4	4	E64,E7,E144,E19
69	69		1910268-00		DEC 75107B RECEIVER,LINE,DUAL,		3	3	3	E63,E47,E8
70	70		1910322-00		DEC 1488L DRIVER,LINE,QUAD,EI		1	1	1	E127
71	71		1910323-00		DEC 1489L RECEIVER,LINE,QUAD,		1	1	1	E104

AUTOMATED BY PRTLST.3P(44)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
72	72		1910534-00		74S04 INVERTER GATE-HEX 1I	2	2	2	E139,E61
73	73		1910535-00		74S05 INVERTER GATE-HEX 1	1	1	1	E147
74	74		1910544-00		74S74 FF-D DUAL,EDGE TRIGG	1	1	1	E40
75	75		1910545-00		74S112 FF-JK DUAL,EDGE TRIG	1	1	1	E135
76	76		1910547-00		74S153 MUX 1 OF 4 (DUAL)	1	1	1	E41
77	77		1910550-00		74S174 FF-D HEX	1	1	1	E160
78	78		1911219-01	DEC	7438 NAND GATE-QUAD 2IN,B	1	1	1	E9
79	79		1912096-00	DEC	74S86 XOR GATE,QUAD 2IN	1	1	1	E151
80	80		1912388-00		74S02 NOR GATE-QUAD 2IN,PO	1	1	1	E163
81	81		1912647-00		LS257 MUX 1 OF 2 (QUAD)	3	3	3	E116,E119,E131
82	82		1912697-00		LS174 FF-D HEX W/CLEAR	5	5	5	E16,E30,E37,E126,E177
83	83		1912746-00	DEC	74S37 NAND GATE-QUAD 2IN	1	1	1	E65
84	84		1912799-00		LS00 NAND-GATE-QUAD 2IN,P	6	6	6	E124,E66,E44,E154,E157,E35
85	85		1912800-00		LS01 NAND-GATE-QUAD 2IN,P	1	1	1	E103
86	86		1912801-00		LS02 NOR-GATE-QUAD 2IN	5	5	5	E125,E101,E118,E49,E150
87	87		1912803-00		LS04 INVERTER GATE,HEX	3	3	3	E153,E26,E179
88	88		1912805-00		LS08 AND GATE-QUAD 2IN,PO	5	5	5	E182,E155,E123,E18,E156
89	89		1912807-00		LS10 NAND GATE-TRIPLE 3IN	2	2	2	E92,E122
90	90		1912808-00		LS11 AND GATE-TRIPLE 3IN	1	1	1	E136
91	91		1912813-00		LS27 NOR GATE-TRIPLE 3IN	2	2	2	E62,E67
92	92		1912816-00		LS32 OR GATE-QUAD 2IN,POS	11	11	11	E3,E32,E34,E69,E105,E108,E109,
								CONT	E128,E134,E142,E143
93	93		1912824-00		LS74 FF-D DUAL,EDGE TRIGG	15	15	15	E107,E43,E146,E148,E48,E50,E52,
								CONT	E2,E162,E11,E54,E120,E51,E165,
								CONT	E46
94	94		1912829-00		LS86 X-OR GATE-QUAD 2IN	1	1	1	E159
95	95		1912834-00		LS112 FF-JK,DUAL,EDGE TRIG	1	1	1	E4
96	96		1912842-00		LS138 DECODER-THREE INPUT,	3	3	3	E106,E15,E91
97	97		1912843-00		LS139 DECODER, 2 OF 4(DUAL	1	1	1	E36
98	98		1912849-00		LS161 COUNTER,SYNCHR,4BIT	1	1	1	E12
99	99		1912853-00		LS175 FF-D QUAD	1	1	1	E14
100	100		1912858-00		LS221 ONE SHOT-DUAL,SCHMIT	2	2	2	E1,E5
101	101		1912862-00		LS266 X-NOR GATE-QUAD,OPN,	1	1	1	E22
102	102		1912863-00		LS273 FF-D OCTAL W/CLEAR	1	1	1	E137
103	103		1912867-00		LS298 MUX 1 OF 4,2IN W/S	3	3	3	E53,E73,E71
104	104		1912871-00		LS375 LATCH	1	1	1	E152
105	105		1913340-00		74S32 OR GATE-QUAD 2IN	1	1	1	E175
106	106		1913414-00		LS14 INVERTER GATE-HEX SC	1	1	1	E145
107	107		1913471-00		LS367 DRIVER,BUS,HEX,TRI-S	8	8	8	E130,E129,E78,E85,E38,E138,E140,
								CONT	E102
108	108		1914214-00		LS374 FF-D OCTAL EDGE TRIG	5	5	5	E171,E169,E74,E58,E132
109	109		1914451-00		LS393 COUNTER,BINARY,4BIT	2	2	2	E164,E181
110	110		1914466-00		3130E OP AMP MOS/FET IN,CM	1	1	1	E10
111	111		1915123-03		26LS32-3 RECEIVER,LINE RS232	2	2	2	E23,E57
112	112		1915193-00		LS244 DRIVER,LINE,OCTAL,TR	7	7	7	E170,E174,E112,E70,E89,E72,E55
113	113		1915218-00		LS245 TRANSCEIVER,BUS,OCTA	2	2	2	E93,E90
114	114		1915415-00		9636 DRIVER,DUAL,EIA RS-	4	4	4	E20,E21,E39,E56
115	115		1915758-00	***	THIS ITEM IS NOT USED ***	-	-	-	

DIGITAL	TITLE: DECMATE 2	SECTION A OF A	SIZE: K	CODE: PL	DOCUMENT NUMBER: 5415426-0-DBP	REV: L

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
116	116		1915932-00		LS125 BUFFER,QUAD BUS	3	3	3	E110,E111,E133
117	117		1916139-00		LS126A BUS DRIVER,QUAD	3	3	3	E60,E117,E158
118	118		1920373-01		LS137 DECODER,3 TO 8	1	1	1	E141
119	119		2112623-00		DUAL BAUD RATE GEN/PROG DIVIDER,	2	2	2	E121,E178
120	120		2113937-00		UART 125K BUAD	2	2	2	E98,E99
121	121		2114212-00		P 2114-2 RAM,1024X4,STATIC	2	2	2	E28,E29
122	122		2115108-00		HM 6121 I/O CONTROLLER FOR 6	3	3	3	E95-E97
123	123		2117872-01		RAM 2KX8 I/O MUXD 20	1	1	1	E172
124	124		2118172-03		6120 MICROPROCESSOR 12-BI	1	1	1	E94
125	125		2118467-02		8264-15 RAM 64K X1,150NS 1	12	-	-	E75-E77,E79-E84,E86-E88
126	126		2118823-00		1793-02 FLOPPY DISK FORMAT	1	1	1	E31
127	127		2118856-00		CONTROLLER,MULTI-PROTOCOL SERIAL	1	1	1	E100
128	128		2120065-01		9007 CONTROLLER,CRT	1	1	1	E149
129	129		2120066-01		BUFFER,SINGLE ROW	2	2	2	E167,E168
130	130		23008M1-00		M1-01	1	1	1	E27
131	131		23114E4-00		E4-06,E4-07 ROM	1	1	1	E173
132	132		23358E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
133	133		23359E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
134	134		23360E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
135	135		23640A2-00		A2-05,A2-08 R0	1	1	1	E13
136	136		9006732-00		*** THIS ITEM IS NOT USED ***	-	-	-	
137	137		9009185-00		JUMPER, WIRE, INSULATED, BLACK B	3	3	3	W4,W2,W3
138	138		9105740-55		WIRE(WRAP) 30AWG KYNAR UL14	A/R	A/R	A/R	
139	139		9107256-00		*** THIS ITEM IS NOT USED ***	-	-	-	
140	140		1110603-00		SCHOTTKY PIV= 70 IO= 15 MA	2	2	2	D10,D11
141	141		1300229-00		100.0 .25 W 5.0 % CF	2	2	2	R202,R203
142	142		1305374-00		*** THIS ITEM IS NOT USED ***	-	-	-	
143	143		1316395-01		*** THIS ITEM IS NOT USED ***	-	-	-	
144	144		1914082-00		74S163 COUNTER,SYNCH UP/DOW	1	1	1	E42
145	145		1912838-00		LS132 NAND GATE-QUAD 2IN P	1	1	1	E6
146	146		2120880-01		74HC74 FF-D,DUAL CMOS	1	1	1	E45
147	147		1017472-00		*** THIS ITEM IS NOT USED ***	-	-	-	
148	148		7427758-01		*** THIS ITEM IS NOT USED ***	-	-	-	
149	149		7427758-02		*** THIS ITEM IS NOT USED ***	-	-	-	
150	150	SEE NOTE	1220511-03		PCB HEADER 33PIN(2X17).100CC STR	1	1	1	J6
151	151	SEE NOTE	1220511-02	A	PCB HEADER 33PIN(2X17).100CC STR	1	1	1	J7
152	152	SEE NOTE	7427524-01		*** THIS ITEM IS NOT USED ***	-	-	-	
153	153		9000024-01		EYELET,ROLLED 0.1210DX0.192	6	6	6	
154	154		1302955-00		*** THIS ITEM IS NOT USED ***	-	-	-	
155	155		2118172-01		*** THIS ITEM IS NOT USED ***	-	-	-	
156	156		2118470-02		4864-2 MOS RAM 64K X1,150	-	12	-	E75-E77,E79-E84,E86-E88
157	157		2118472-02		4164-3 MOS RAM 64K X1,150	-	-	12	E75-E77,E79-E84,E86-E88
158	158		1012121-00		*** THIS ITEM IS NOT USED ***	-	-	-	
159	159		9107256-11		*** THIS ITEM IS NOT USED ***	-	-	-	
160	160		1300299-00		*** THIS ITEM IS NOT USED ***	-	-	-	
161	161		1013466-04		33.0 MMF 50V 5% CER	1	1	1	C12
162	162		1013466-25		68.0 MMF 50V 5% CER	2	2	2	C4,C8
163	163		1013466-06		100.0 MMF 50V 5% CER	1	1	1	C6

DIGITAL	TITLE	SECTION	SIZE	CODE	DOCUMENT NUMBER	REV
	DECMATE 2	A OF A	K	PL	5415426-0-DBP	L

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
164	164		1013466-17		150.0 MMF 50V 5% CER	3	3	3	C1,C200,C201
165	165		1013466-19		470.0 MMF 50V 5% CER	6	6	6	C13,C21-C25
166	166		1013466-41		390.0 MMF 50V 5% NPO CER	2	2	2	C11,C111
167	167		1013466-11		.22 MFD 50V +80-20% Z5U CER	4	4	4	C33-C36
168	168		1013466-14		82.0 MMF 50V 5% CER	1	1	1	C3
169	169		1013466-45		220.0 MMF 1 50V 1% NPO CER	2	2	2	C2,C7
170	170		1302685-00		909.0 .25 W 1.0 % RN55D-F10	1	1	1	R8
171	171		1212518-07		*** THIS ITEM IS NOT USED ***	-	-	-	
172	172	A-PS-1219251-0-0	1219251-00		PCB HEADER 02PIN(1X02).100CC STR	1	1	1	J11
173	173	BLANK				-	-	0	
174	174		23390E2-00	A	*** THIS ITEM IS NOT USED ***	-	-	-	
175	175		23391E2-00	A	*** THIS ITEM IS NOT USED ***	-	-	-	
176	176		23392E2-00	A	*** THIS ITEM IS NOT USED ***	-	-	-	
177	177		1915758-01		LS166 SHIFT REG. 8BIT PARA	1	1	1	E176
178	178		1910532-00		74S00 NAND GATE-QUAD 2IN	1	1	1	E180
179	179		23399E2-00		E2-05	1	1	1	E113
180	180		23400E2-00		E2-05	1	1	1	E114
181	181		23401E2-00		E2-05	1	1	1	E115

182 NOTE: 7427758-01, 02 MAY BE SUBSTITUTED FOR 1220511-02, 03 RESPECTIVELY AS A GROUP.
183 NOTE: NOTE THAT 7427524-01 IS TO BE USED ONLY WITH THE 1220511 CONNECTORS.
184 NOTE: 5415426-A IS THE BASE VARIATION OF THE MODULE.
185 NOTE: 5415426-AC USES FUJISTU 64K MOS MEMORY.
186 NOTE: 5415426-AF USES HITACHI 64K MOS MEMORY.
187 NOTE: 5415426-AH USES NEC 64K MOS MEMORY.

D I G I T A L	TITLE DECMATE 2	SECTION A OF A	SIZE K	CODE PL	DOCUMENT NUMBER 5415426-0-DBP	REV L

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SIZE D CODE DCS NUMBER 5415426-0-1 REV U

G120 E94 — RUN/HLT, ACK, STRTUP, DMAREQ, SKIP, OSCIN, RESET, C INTREQ, IOC CPREQ, IOC C1, IOC C0, DX00–DX11

74LS245 B8 E93 A8 — DIR ENB

74LS245 E90 A4 — DIR ENB

74LS126 E117 — DMAGNT

74LS367 E129 — OUT, IFETCH, I/O CLR, EMA2

74LS367 E130 — LXPAR, LXMAR, LXDAR, READ, WRITE, MEMSEL, C1, C0

74LS374 E74 — D3 D4 D2 D5 D1 D6 D0 D7, EN OC

74LS374 E58 — D1 D6 D0 D7 D2 D4 D3 D5, EN OC

74LS32 E128 · 74LS00 E124 · 74LS32 E128 · 74LS00 E124 · 74LS04 E61 · 74LS10 E92 · 74LS32 E109 · 74LS126 E60 · 74LS126 E60 · 74LS02 E125 · 74LS32 E109 · 74LS32 E109 · 74LS126 E60

R1 4.7K · R2 4.7K · R3 4.7K · R4 4.7K · R85 4.7K · R88 4.7K · R98 4.7K · R101 4.7K · R109 4.7K · +5V

CP DX00 … CP DX07 · CP DX08 … CP DX11 · CP ADD00 … CP ADD07 · CP ADD08 … CP DATAF · CP ANYLX · CP LAS · CP DMAGNT · CP WSRCP · CP OUT · CP IFETCH · CP I/O CLR · CP LXPAR · CP LXMAR · CP LXDAR · CP READ · CP WRITE

REVISION HISTORY

DATE	ECO NUMBER	REV.
1-FEB-83	5415426-ML000	B
2-2-83	D PUCCI	
3-4-83	5415426 ML002	C
3-4-83	D PUCCI	
3-30-83	5415426-ML003	D
5/11/83	S.Shrago	
7/14/83	RICHARD PUCCI	
9-AUG-83	5415426 ML004	E
10-26-83	S.Shrago	
5-APR-84	PETE SCANTLBURY	
1-6-84	5415426-ML005	F
1-6-84	S.Shrago	
9-APR-84	PETE SCANTLBURY	
11-12-84	5415426-ML008	H
11-12-84	S.Shrago	
12-10-84	AL JOHNS	
1-25-85	5415426-ML009	J
1-25-85	S.Shrago	
1-FEB-85	AL JOHNS	

DRN Rita Z. Bureau — DATE 4-AUG-82
CHK'D — DATE 17-AUG-82
DES. ENG. John Neil — DATE 04-AUG-82
RESP. ENG. John Neil — DATE 04-AUG-82
MFG. ENG. Pennie Brandt — DATE 17-AUG-82
NEXT HIGHER DOC. B-DD-5415426-0

TITLE digital
DECMATE 2
(CP)
DOCUMENT NUMBER
SIZE D · CODE CS · NUMBER 5415426-0-1 · REV J
SCALE — SHEET 1 OF 16

DRD 102E

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SIZE D | CODE CS | NUMBER 5415426-0-1 | REV J

CP ADDII
+5V
TI RTC
PK DEV32 FLG
PK DEV33 FLG
CP DX00 … CP DX11
CP READ
CP WRITE
CP LXDAR
CP IOCLR
6121 E96 — 03, 04, 13, 32, 33 — INTREQ, SKIP, C0, C1, PRO, PRI

IOC DEV33
CP READ
74LS32 E109 → IOC DEV32RD
74LS02 E101 → IOC 33WREN
CP ADD09

CRTC VINT
PK DEV05 FLG
PK DEVII FLG
PK APTEN
R111 4.7K
6121 E97 — 07, 06, 05, 11, 12 — PRO, PRI
IOC INTREQ
IOC SKIP
IOC C0
IOC C1
IOC DEV07
IOC DEV06
IOC DEV05
IOC DEVII
IOC DEV12
IOC CPREQ

CMI DEV30 FLG
+5V
CM2 MODEMCHG
+5V
IOC DEV14 FLG
6121 E95 — 30, 31, 36, 75, 14 — INTREQ, SKIP, C0, C1

IOC DEV30
IOC DEV31
IOC DEV36
IOC DEV75
IOC DEV14

74LS138 E91 — SEL A, SEL B, SEL C, D0–D7
CP ADD Ø
CP ADD09
IOC SEL
IOC XDR
IOC STR
IOC SER
IOC SDN

CP DX05
74LS74 E107 (D, C, Ø)
+3V
IOC 12BIT
74LS01 E103
74LS125 E110
7416 E68
CP IOCLR
74LS08 E123
CP DXII
74LS74 E107 (D, C, Ø)
IOC RXCLR
RX2 DINI
74LS32 E69
RX2 DINØ
74LS02 E125

IOC RXINTENA
IOC LCD
74LS00 E124
74LS10 E92
CP OUT
74LS32 E69
RX1 LDATA
RX1 8051WRT
74LS32 E34
RX1 HDATA
74LS32 E34
RX1 8051RD

TI RESET L
74LS00 E66

74LS298 E53 — CP DX00, RXI AD3, CP DX01, RXI AD2, CP DX02, RXI AD1, CP DX03, RXI AD0 → RØ(I), R1(I), R2(I), R3(I)
74LS244 E70 — CP DX00, RXI AD3, CP DX01, RXI AD2, CP DX02, RXI ADI, CP DX03, RXI AD0
RX2 DIN I
74LS298 E73 — CP DX04, RXI AD7, CP DX05, RXI AD6, CP DX06, RXI AD5, CP DX07, RXI AD4
74LS244 E89 — CP DX04, CP DX05, CP DX06, CP DX07, CP DX08, CP DX09, CP DX10, CP DX11
74LS298 E71 — CP DX08, RXI AD3, CP DX09, RXI AD2, CP DX10, RXI AD1, CP DX11, RXI AD0
74LS244 E72 — RXI AD7, RXI AD6, RXI AD5, RXI AD4, RXI AD3, RXI AD2, RXI AD1, RXI AD0

WS CLK

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRG 138A

(IOC + RX SIMULATOR)

TITLE: DECMATE 2 (IOC)

DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 5415426-0-1 | REV J

SCALE — | SHEET 2 OF 16

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CP LXMAR
CP LXPAR
RM RAMDIS
TI CCLK1
CP DMAGNT
CRTC CLKA
TI RESET L
CRTC DMACYC L
CRTC VLT
CRTC INHWRT
XT DERAS
CP WRITE
CMI MODEM LD
+5V
+3VA
-5V
R7 1K
R6 348 1%
R9 348 1%
R10 348 1%
R8 909 1%
R11 1.4K 1%
R12 1.4K 1%
C1 150PF
C2 220PF 1%
C3 82 PF
C4 68PF 1%
C110 .047UF
74LS174 E126
74LS375 E152
MT TSC
MT SBLANK
MT ICLK
MT ICLKI
N.C.
RM SLOW
CP DX00
CP DX05
CP READ
MT RAS
MT ADDSEL
MT CAS
MT WP
D1 IN751A
R13 240
-12V
-5V
C96 .047 UF
C98 .047UF

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74LS257 E116: CP ADD00, CP ADD06, CP ADD02, CP ADD03, CP ADD04, CP ADD08, CP ADD07, CP ADD01, MT ADDSEL → F0, F1, F3, F2

74LS257 E119: CP ADD05, CP ADD09, CP EADD1, CP ADD11, CP EADD0, CP EADD10, CP EADD2, CP LXMAR → F0, F1, F3, F2

MT RAS, MT CAS, MT WP

CP DX00, CP DX01, CP DX02, CP DX03

CP DX04, CP DX05, CP DX06, CP DX07

CP DX08, CP DX09, CP DX10, CP DX11

4164 DOUT DIN: E79, E77, E80, E76, E81, E75, E88, E86, E84, E87, E83, E82

+5V

74LS367 E78: CP DX00, CP DX01, CP DX02, CP DX03, CP DX04, CP DX05

74LS367 E85: CP DX06, CP DX07, CP DX08, CP DX09, CP DX10, CP DX11

CP READ, MT RAS → 74LS32 E69

REVISION HISTORY

DATE	ECO NUMBER	REV.

DRD 138A

(MEMORY ARRAY)

TITLE DECMATE 2 (MA)

DOCUMENT NUMBER: SIZE D CODE CS NUMBER 5415426-0-1 REV J

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SIZE D CODE DCS NUMBER 5415426-0-1 REV J

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L8 — TI 80 CLK

K1100A E59 22.896 MHZ
K1100A E24 15.741 MHZ
K1100A E25 16MHZ

STB0 STBI — DA3 DA2 DA1 DA0 — 74S153 E41 — F0 F1 — DB3 DB2 DB1 DB0 — S1 S0

TI DCLK — +3VA

74S163 E42 — D0 D1 D2 D3 — R0(1) R1(1) R2(1) R3(1) — CLR LD CLK CNTEN CRYEN CO

L7

74 S04 E61

7417 E64 — TI ECLK

+3VA — 74S74 E40 — TI CCLK1 — TI CCLK — +3V

R77 4.7K — +5V

TI DCLK

+5V — R86 4.7K — R108 4.7K — TI CPUCLK

XT 80/132 — R78 4.7K — RM SLOW — CP LXDAR — 74LS08 E123

74LS74 E43 — 74LS74 E43 — 74LS00 E44 — R107 4.7K — 74HC74 E45 — 74HC74 E45 — 74LS74 E46 — TI RXCLK

+3VA — +5V — R83 4.7K — TI RESET L

PS ACOK — R204 47 — D2 IN4454 — R15 100K — C5 22µF — PK ACOK — 74LS14 E145 — 74LS14 E145

+5V — R201 1K

CP DX11 — CP DX10 — CP DX09 — CP DX08 — 5016T E121 — EXT1 EXT2 — A0 B0 C0 D0 A1 B1 C1 D1 — F0 F1 — CLK1 CLK2

5016T E178 — +3V

74 LS126 E158 — R84 4.7K — TI KBDCLK

74LS393 E164 — DA DB — RA1 RA2 RA3 RA4 RB1 RB2 RB3 RB4 — CLRA CLRB — +5V — R110 4.7K — TI RTC

K1100A E166 50688 MHZ — +5V — R87 4.7K — 74 LS126 E117 — 74S04 E139 — 74S04 E139

IOC DEV33 — CP ADD 09 — CP ADD 10 — CP ADD 11 — CP WRITE — CMI CBAUDLD — 74LS02 E118 — 74LS10 E122 — 74LS02 E118 — 74S04 E139

R89 4.7K — R91 4.7K — 74 LS126 E158 — TI RESET H — TI PCLK — TI COMCLK

✱ NOTES:

1. UNLESS OTHERWISE NOTED ALL RESISTORS ARE 1/4W 5%
2. 5016T NON STD. PWR. AND GND. ARE GND-PIN 11, +5V PIN 2, +12V PIN 9.
3. K1100A'S ARE 14 PIN PACKAGE'S WITH PINS 1,7,8,14 ONLY
4. C99 IS NOT INSERTED.

REVISION HISTORY

DATE	ECO NUMBER	REV.

DRD 138A

(CLOCK)

TITLE DEC MATE 2 (TI)

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
D	CS	5415426-0-1	J

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SIZE D CODE CS NUMBER 5415426-0-1 REV J

2716 E113 * 23399E2
CP ADDØ1
CP ADDØ2
CP ADDØ3
CP ADDØ4
CP ADDØ5
CP ADDØ6
CP ADDØ7
CP ADDØ8
CP ADDØ9
CP ADDIØ
CP ADDII

2716 E114 * 23400E2

2716 E115 * 23401E2

74LS244 EII2
DAI DB4 DA2 DB3 DA3 DB2 DA4 DBI OC2 OCI
YAI YB4 YA2 YB3 YA3 YA2 YA4 YBI
CP DXØØ
CP DXØI
CP DXØ2
CP DXØ3
CP DXØ4
CP DXØ5
CP DXØ6
CP DXØ7

74LS257 E131
AØ BØ A3 B3 AI BI A2 B2 SØ
FØ F3 FI F2 OUT CONT
CP DXØ8
CP DXØ9
CP DXIØ
CP DXII

+5V
W4
W1
CP EADDØ

74 SØ4 E61
CP ADDØØ

+3V
CP DXII
CP WSRCP
CP IFETCH
TI RESET L
D 74LS74 E146
D 74LS74 E146
D 74LS74 E148

7417 E144
7417 E144
RM SLOW

CP DX ØØ
CP DATAF
74 LSØ2 E118
74 LSØ2 E118
74 LSØ8 E123

RM RAMDIS
CP READ
74 LS32 E128

NOTE:
1. * 2716 REFERS TO GENERIC 2K X 8 READ ONLY DEVICE, ACTUAL CHIP MAY BE EPROM OR MASKED ROM. REFER TO PATTERN SPECIFICATION.

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

TITLE: DECMATE 2 (ROM) (RM)

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	CS	5415426-0-1	J

SCALE — SHEET 6 OF 16

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SIZE D | CODE CS54154 | NUMBER 26-0-1 | REV J

CRTC CLKA
CRTC NOLAS
MT TSC
C111 390 PF
MT SBLANK
CRTC LIN0
CRTC LIN1
CRTC LIN2
CRTC LIN3
CRTC HS
CPDX 04
CPDX 05
CPDX 06
CPDX 07
CPDX 08
CPDX 09
CPDX 10
CPDX 11
9007 E149
CBLANK
CRTC CBLANK
CG CBLANK1
TIDCLK
CRTC CINH
CG LDSR
CRTC ULEN
XT CURMOD
CRTC CURSOR
CTRC DMACYC
+5V
R17 150
R106 47
R19 4.7K
TI CCLK
TI ECLK
CCLK
CSYNC
CRTC CSYNC
CRTC DMACYC
CG CLRDW
CRTC DW
CRTC ALTADD
CRTC INHWRT
R18 4.7K
CRTC VSYNC
CRTC FBLINK
CRTC CURS
CP READ
XT RDCRTC
CP WRITE
XT WRCRTC
CS
DRB
VLT
CRTC VLT
CURS
VS
CRTC DMACYC L
CRTC DRB
CP EADD1
CP EADD2
CP ADD00
CP ADD01
CP ADD02
CP ADD03
CP ADD04
CP ADD05
CP ADD06
CP ADD07
CP ADD08
CP ADD09
CP ADD10
CP ADD11
VA13
VA12
VA11
VA10
VA9
VA8
VA7
VA6
VA5
VA4
VA3
VA2
VA1
VA0
74LS374 E132
CP DX00
CP DX01
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
R3(1)
R4(1)
R0(1)
R7(1)
R1(1)
R6(1)
R2(1)
R5(1)
R102 4.7K
XT ENADDR
XT LSCREG
TI RESET L
RX2 SYNC
+3A
CRTC VINT
74LS393 E181
RA1
RA2
RA3
RA4
RB1
RB2
RB3
RB4
CLRA
CLRB
D74LS74 E162
D74LS74 E148
D74LS74 E165
D74LS74 E51
J74LS112 E135
74LS11 E136
74LS08 E155
74LS32 E134
74LS04 E153
74LS02 E150
74LS00 E154
74S04 E139
74S05 E147
74S86 E151
74LS126 E117
74S00 E180

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

(CRT CONTROLLER)

TITLE: DECMATE 2 (CRTC)

DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 54154260-1 | REV J

SCALE | SHEET 7 OF 16

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74LS137 E141
CP DX09 — 3 SEL C
CP DX10 — 2 SEL B
CP DX11 — 1 SEL A
CP ANYLX — 6
IOC DEV12 — 4, 5
D0 15
D1 14
D2 13
D3 12
D4 11 — XT WRCRTC
D5 10
D6 9
D7 7 — XT RDCRTC

CP WRITE
CP EADD0 — 74 S04 E61
74 LS32 E142 — XT LSCREG
74 LS32 E142 — XT CGWREN
74 LS32 E142 — XT CGWRT
74 LS27 E62 — XT CGADDLD
74 S04 E61
74 LS32 E142 — IOC CI
7417 E144
XT ENADD R
74 LS08 E182 — XT DISADD
74 LS04 E179

CRTC VLT — 74 LS10 E122
CRTC DMACYC

+3V
D 74 LS74 E120 C — XT DERAS
CRTC CURS — 74 LS08 E155

74LS273 E137
CP DX00 — D3 R3(1)
CP DX01 — D4 R4(1)
CP DX04 — D0 R0(1) — XT 80/132
CP DX05 — D6 R6(1) — XT DISENA
CP DX08 — D1 R1(1) — XT ECHRMOD
CP DX09 — D7 R7(1) — XT USCHRMOD
CP DX10 — D2 R2(1) — XT CURMOD
CP DX11 — D5 R5(1) — XT SCRNMOD
CLK CLR

CRTC DMACYC — 74 LS08 E155
CRTC CBLANK

CP WRITE — 74 LS32 E134 — TI RESET L

XT LD LOOPBACK

74LS367 E140
CP DX00 — 9
CP DX01 — 7
CP DX02 — 11
CP DX03 — 5
CP DX04 — 13
CP DX05 — 3

74LS367 E138
CP DX06 — 13
CP DX07 — 9
CP DX08 — 7
CP DX09 — 11
CP DX10 — 5
CP DX11 — 3

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

TITLE: DECMATE 2 (XT)

DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 5415426-0-1 | REV. J

SCALE — | SHEET 8 OF 16

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SIZE CODE D CS5415426-0-1 REV J

XT SCRNMOD
CRTC FBLINK
74S02 E163
74 LS08 E156
CRTC ULEN
9006 E167 *
CP DX00
CP DX01
CP DX02
CP DX03
CRTC DRB
CRTC HS
CRTC CURSOR
XT ECEHRMOD
74 LS86 E159
74 LS08 E156
9006 E168 *
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
CRTC VLT
TI CCLK
CRTC LIN0
CRTC LIN1
CRTC LIN2
CRTC LIN3
XT USCHRMOD
8K X 8 ROM E173
2311454
+5V
74LS244 E170
DA1 YA1
DA4 YA4
DA3 YA3
DA2 YA2
OCI
74 LS00 E157
74LS374 E169
D0 R0(I)
D6 R6(I)
D1 R1(I)
D5 R5(I)
D2 R2(I)
D4 R4(I)
D3 R3(I)
D7 R7(I)
CLK OC
XT CGADDLD
74LS374 E171
DI RI(I)
D4 R4(I)
D2 R2(I)
D3 R3(I)
CLK OC
74 LS04 E179
XT CGWR EN
2706 E172
2K X 8 RAM
CE1 CE2 WP
74 LS08 E156
74 LS00 E157
CRTC CINH
74LS166 E176
D8 RI
DI
D2
D3
D4
D5
DC
D7
LD
CLK INH
SI CLK CLR
74LS174 E177
D0 R0(I)
D1 R1(I)
D2 R2(I)
D3 R3(I)
D4 R4(I)
D5 R5(I)
CLK CLR
CRTC CBLANK
CG CBLANK 1
74 LS04 E179
74S32 E175
74 LS08 E182
CG CLRDW
TI DCLK
74S174 E160
D0 R0(I)
D1 R1(I)
D3 R3(I)
D4 R4(I)
D2 R2(I)
D5 R5(I)
CLK CLR
+3V
74S02 E163
74 LS86 E159
74 LS04 E179
74S32 E175
74 LS08 E182
74LS244 E174
DB4 YB4
DB3 YB3
DB2 YB2
DB1 YB1
DA1 YA1
DA2 YA2
DA3 YA3
DA4 YA4
OC1 OC2
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
TI CCLK
CRTC DW
CRTC ALTADD
74 LS00 E154
74S00 E180
CG LDSR
7416 E161
R79 1K
R80 1K
XT DISENA
CRTC CSYNC
+12V
R94 300
R20 750
R900 270
D99 IN751A
+5V
R21 33
J11
Q1 6531
R22 390
R23 75
L6
CG VIDEO

NOTES:
1. * PIN 13 +5V
PIN 24 GND

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

(CHARACTER GENERATOR)

TITLE DECMATE 2 (CG)

DOCUMENT NUMBER
SIZE D | CODE CS | NUMBER 5415426-0-1 | REV J
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SIZE CODE DCS5415426-0-1 REV J

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74LS161 E12 — D0 D1 D2 D3 — R0(1) R1(1) R2(1) R3(1) — RX1 CLK4, RX1 CLK2, RX1 CLK1, RX1 CLK0.5
+3VA — CLR, LD, CLK, CNTEN, CRYEN — CO

8051 E27 — 23008M1
TI RXCLK
+5V — R81 1K
P3.3 — RX2 WRTCNTL
IOC LCD, IOC XDR — 74LS01 E103 — R97 1K — +5V — +3VA — 74S74 E40
C1 RDY
TI RESETH
RX2 INT8051
P3.2
RX3 8051INTR — +5V — R95 10K
RX3 8051DRQ — +5V — R96 10K
ALE — 74LS02 E49
RX1 8051RD — 74LS00 E157
RESET H — 74LS04 E26
R24 4.7K — +5V

74LS174 E30 — D1 D2 D3 D4 D0 D5 — R1(1) R2(1) R3(1) R4(1) R0(1) R5(1) — CLK CLR
74LS174 E16 — D0 D5 D4 D1 D2 D3 — R0(1) R5(1) R4(1) R1(1) R2(1) R3(1) — CLK CLR
74LS139 E36 — A2 B2 A1 B1 — FB0 FB1 FB2 FB3 FA0 FA1 FA2 FA3 — ENB1 ENB2
74LS00 E35 (×4)

2114 E28 — A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 — I/O 1 I/O 2 I/O 3 I/O 4 — CS WE
2114 E29 — A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 — I/O 1 I/O 2 I/O 3 I/O 4 — CS WE
74LS00 E157
RX1 80[illegible]RT

RX1 BAD 0
RX1 BAD 1
RX1 PC 0
RX1 PC 1
RX1 AD 0
RX1 AD 1
RX1 AD 2
RX1 AD 3
RX1 AD 4
RX1 AD 5
RX1 AD 6
RX1 AD 7

74LS138 E15 — SELA SELB SELC — D0 D1 D2 D3 D4 D5 D6 D7
RX1 LDATA
RX1 HDATA
RX1 CONTROL
RX1 STATUS
+3VA

74LS04 E26
74LS132 E66
RX1 1793CS
7417 E144 — RX1 SIDE SEL
7417 E19 — RX1 SEL 1 (B)
7417 E19 — RX1 SEL 0 (B)
7417 E19 — RX1 MOTOR PWR ON (B)
7417 E19 — RX1 SEL 1 (A)
7417 E19 — RX1 SEL 0 (A)
7417 E19 — RX1 MOTOR PWR ON (A)

(DISK INTERFACE CTL)

REVISION HISTORY

DATE	ECO NUMBER	REV.

DRD 138A

TITLE	DOCUMENT NUMBER			
DECMATE 2	SIZE D	CODE CS	NUMBER 5415426-0-1	REV. J
(RX1)	SCALE		SHEET 10 OF 16	

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RXI STATUS
RXI 8051 READ
74 LS32 E32
+3VA
+5V
RI12 4.7K
CP DXI1
IOC SEL
D 74 LS74 E54
74 LS04 E26
IOC RXCLR
74LS244 E55
RX1 AD0
RX1 AD1
RX1 AD2
RX1 AD3
RX1 AD4
RX1 AD5
RX1 AD6
RX1 AD7
7438 E9
+5V
R26 1K
RX2 INT 8051
RX2 WRT CNTL
IOC RXINTENA
IOC SDN
IOC SER
IOC STR
IOC 12 BIT
CP WRITE
+3V
RXI AD1
RX2 DIN1
RX2 DIN0
IOC INTREQ
74 LS01 E103
IOC LCD
RXI CONTROL
RXI 8051 WRT
RXI AD0
74 LS02 E49
D 74 LS74 E48
DONE
74 LS27 E67
7416 E68
CP SKIP
RXI AD2
ERR
D 74 LS74 E50
RXI AD3
+3VA
TR
D 74 LS74 E52
CP IFETCH
RX2 SYNC

REVISION HISTORY		
DATE	ECO NUMBER	REV.
	-	

DRD 138A

(RX FLAGS)

TITLE: DECMATE 2 (RX2)

DOCUMENT NUMBER: SIZE D CODE CS NUMBER 5415426-0-1 REV J

SCALE: 1/1 SHEET 11 OF 16

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1793 E31

RX1 CLK1
RX1 AD0
RX1 AD1
RX1 AD2
RX1 AD3
RX1 AD4
RX1 AD5
RX1 AD6
RX1 AD7
C1 RDY
C1 TK00
C1 INDEX
C1 WRTPRT
R32 10K
+5V
TI RESET L
RX1 8051RD
RX1 8051WRT
RX1 1793CS
RX1 BAD1
RX1 BAD0
+12V
+5V

74LS175 E14 — R3(1) R3(0) R2(1) R2(0) R1(1) R1(0) R0(1) R0(0)
74LS08 E18
23640A2 E13 — RX1 PC1, RX1 PC0, RX1 CLK4, RX1 CLK2 → M1(1) M2(1) M3(1) M4(1)
R27 1K, +5V, +3VA
TI RXCLK
74LS74 E11
C6 100PF
R28 3.9K
74LS221 E1
7438 E9
RX3 WRTDATA

RX3 TG43
RX3 STEP
RX3 DIR
RX3 WG
7416 E17
7438 E9

+3VA
74LS112 E4
R203 100
74LS32 E3
7417 E7
+12V
R35 10K
R36 15K-1%
R37 10K
R38 511-1%
R39 15K 1%
R40 511 1%
R41 5.11K-1%
D4 IN4454
D5 IN4454
D6 IN4454
D7 IN4454

R31 10K
R202 100
C200 150 PF
C201 150PF
74LS132 E6
R29 6.49K 1%
C7 220PF 1%
R30 4.7K
C8 68PF
74LS04 E26
74LS08 E18
74LS221 E5
CI RXRD DATA
RX1 CLK0.5

C10 .01UF
R44 6.81K-1%
C11 390PF
R42 1K-1%
C15 .047
R43 5.11K 1%
CA3130 E10
C12 33PF
R45 15K-1%
R46 15K-1%
R47 1K
R48 1K 1%
R49 1K 1%
R50 1.78K 1%
D8 IN753A 6.2V
3906 E33
C13 470PF
R51 270
C14 .047
R52 6.81K 1%

D21 IN4454
D10 IN5711
D11 IN5711
75107 E8
-5V
TI RESET11

RX3 8051INTR
RX3 8051 DRQ

(DISK INTERFACE (R/W))

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

TITLE: DECMATE 2 (RX3)

DOCUMENT NUMBER: SIZE D | CODE DCS | NUMBER 5415426-0-1 | REV. J

SCALE: NONE | SHEET 12 OF 16

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SIZE D CODE DCS5415426-0-1 REV J

NOTES:
1. * NOT INSTALLED

6402 E98: CP DX04, CP DX05, CP DX06, CP DX07, CP DX08, CP DX09, CP DX10, CP DX11, TI RESET H, IOC. DEV32RD, TI PCLK; CRL, PI, CLS2, CLSI, EPE, SFD, SBS, SD, FE, DR, TBRE; +5V; PK DEV32FLG, PK DEV33FLG

IOC 33WREN, CP WRITE → 74LS32 E105

+3V, CP DX07, XT LD LOOPBACK → 74LS74 E165

74LS125 E110; R53 4.7K; 1488 E127; L1; C17 120PF

R54 1K; C19 120PF

J2; +5V; R113 1K; R53 4.7K; R82 100K; PK APTEN; C16 120PF

1489 E104; C20 120PF; R56 27K; -12V; 7417 E7; PK ACOK

L2; C18 120PF; C21 470PF; R55 27K; -12V

R104 4.7K; R200 4.7K; 74S05 E147; CP DX00

6402 E99: CP DX04, CP DX05, CP DX06, CP DX07, CP DX08, CP DX09, CP DX10, CP DX11, TI RESET H, IOC. DEV32RD, TI KBDCLK; CRL, PI, CLS2, CLSI, EPE, SFD, SBS, SD, DR, TBRE; +5V

74LS125 E111; R53 4.7K; 1488 E127; L4; C23 470PF

J3; +12V; L3; C22 470PF

74S05 E147: CP DX01, CP DX02, CP DX03

IOC DEVII, CP READ → 74LS32 E105; R53 4.7K; R53 4.7K; PK CLRA

IOC DEV05, CP WRITE → 74LS32 E105; PK CLRB

+3V; RXI SYNC, PK CLRA → 74LS74 E54; PK DEVIIFLG

74LS74 E51; PK DEV05FLG; PK CLRB

L5; C24 470PF; C25 470PF; 1489 E104; R57 27K; -12V; 74LS125 E111; CG VIDEO

REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

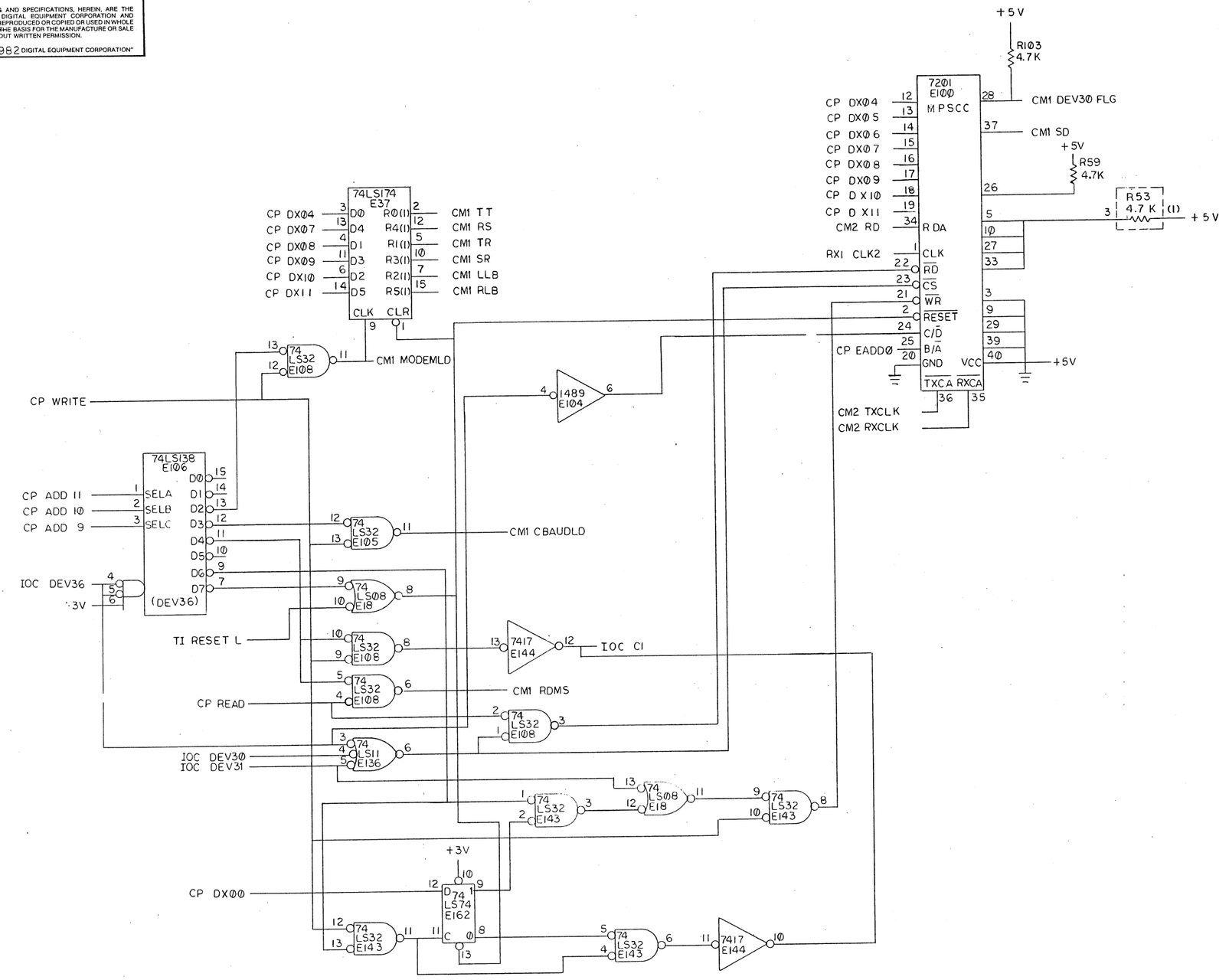
(PRINTER AND KEYBOARD)

TITLE: DECMATE 2 (PK)

DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 5415426-0-1 | REV J

SCALE — | SHEET 13 OF 16

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REVISION HISTORY		
DATE	ECO NUMBER	REV.

DRD 138A

(COMMUNICATIONS)

TITLE DECMATE 2 (CM1)

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
D	CS	5415426-0-1	J
SCALE		SHEET 14 OF 16	

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SIZE D CODE CS NUMBER 5415426-0-1 REV J

J1
(104) 3 RCV DATA — 12V — R60 27K — 2 — 1 26 LS32 E57 3 — CM2 RD
(114) 15 XMIT TIM — R60 27K — 3 — 15 26 LS32 E57 13 — CM2 TXCLK
(115) 17 RCV TIM — R60 27K — 4 — 7 26 LS32 E57 5 — CM2 RXCLK
(117) 25 ANAL LOOPBACK — R60 27K — 5 — 10 26 LS32 E57 11
(125) 22 RING — R60 27K — 6 — 2 26 LS32 E23 3
(109) 8 SIG DETECT — R60 27K — 7 — 6 26 LS32 E23 5
(107) 6 DATA SET RDY — R60 27K — 8 — 10 26 LS32 E23 11
(106) 5 CLR TO SEND — R60 27K — 9 — 14 26 LS32 E23 13
(4) (12)

TI COMCLK — 2 74 LS125 E133 3 — 1
MT ICLK — 5 74 LS125 E133 6 — 4
MT ICLK1 — 9 74 LS125 E133 8 — 10
12 74 LS125 E133 11 — 13

R62 180 — C33 .22UF — R66 180 — 1 74 LS266 E22 3 — 2
R63 180 — C34 .22UF — R67 180 — 6 74 LS266 E22 4 — 5
R64 180 — C35 .22UF — R68 180 — 9 74 LS266 E22 10 — 8
R65 180 — C36 .22UF — R69 180 — 12 74 LS266 E22 11 — 13

74LS367 E38
G 12 2 4 10 14 — 7 11 3 5 9 13 — CP DX07 CP DX08 CP DX09 CP DX10 CP DX11
1 15 — CMI RDMS

+5V — RG1 4.7K — CM2 MODEM CHG

DI2 IN4005 — +12V — −12V
CMI SD — 2 9636 E39 5 7 — XMIT DATA — J1 2 (107)
4 1 — R70 10K — W2
TI COMCLK — 4 74 LS32 E32 6 — 3 9636 E39 6 — XMIT SIG ELEMENT TIM — 24 (113/116)
CMI TT — 5
DI3 IN4005 — +12V
CMI SR — 2 9636 E21 5 7 — SIG RATE SEL — 23 (111)
4 1 — R71 1M
CMI TR — 3 9636 E21 6 — DTR — 20 (108.2)
DI4 IN4005 — +12V
CMI RS — 2 9636 E56 5 7 — RTS — 4 (105)
4 1 — R72 1M — 7 (102)
CMI RLB — 3 9636 E56 6 — REMOTE LOOP — 21
DI5 IN4005 — +12V
CMI LLB — 2 9636 E20 5 7 — ANALOG LOOP — 18 (141)
4 1 — R73 1M — W3 — 1 (101)

REVISION HISTORY

DATE	ECO NUMBER	REV.

DWD 138A

(COMMUNICATIONS)
TITLE DECMATE 2 (CM2)
DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 5415426-0-1 | REV. J
SCALE | SHEET 15 OF 16

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SIZE CODE DCS NUMBER 5415426-0-1 REV. J

APU J8

-12V 12
+5V 1, 2, 51, 52
CP DX00 11
CP DX01 24
CP DX02 9
CP DX03 19
CP DX04 7
CP DX05 29
CP DX06 5
CP DX07 17
CP DX08 13
CP DX09 25
CP DX10 15
CP DX11 23
CP READ 31
CP WRITE 33
TI RESET L 27
IOC DEV14 37
IOC DEV14FLG 39
IOC CI 43
CP SKIP 45
CP INTREQ 47
CP I/O CLR 18
TI RXCLK 49
CP ADD09 4
CP ADD10 16
CP ADD11 21
CP LXDAR 32
6, 8, 10, 26, 28, 30, 40, 42, 44
3

R99 4.7K +5V
R100 4.7K

STORAGE ADAPTOR J9

CP DX00 21
CP DX01 19
CP DX02 17
CP DX03 13
CP DX04 11
CP DX05 9
CP DX06 7
CP DX07 5
CP DX08 35
CP DX09 33
CP DX10 31
CP DX11 29
CP READ 37
CP WRITE 3
CP LXDAR 43
TI CCLK 49
IOC CI 25
IOC C0 27
TI RESET L 15
+5V 1, 2, 52, 6, 8, 10, 16, 18, 20, 34, 36
CP OUT 47
CP SKIP 23
CP INTREQ 39
IOC DEV75 41
CP IFETCH 51
45, 46, 48

+5V R75 4.7K
74S04 E139 1, 2
C2 EFA
+12V
-12V
+5V R74 4.7K

GRAPHICS CONTROLLER J10

27, 25, 21, 17, 15, 13, 11, 9, 3, 5, 7, 23, 35, 33, 37, 31, 39, 41, 19, 1, 2, 52, 6, 8, 10, 16, 18, 20, 34, 36
CRTC CBLANK 29
TI 80CLK 43
CRTC VSYNC 45
+5V R76 4.7K

74LS367 E102
4, 12, 6, 10, 14, 2
5 CP DX10
11 CP DX09
7 CP DX08
9 CP DX00
13, 3
1, 15

+5V R53 4.7K 10
CP LAS 5
74 LS126 E117 6, 4
MT NOLAS

RX3 TG43 9
74 LG E17 8

J6

2, 34, 28, 26, 8, 30
RX3 WRTDATA 22
RX3 WG 24
RX3 STEP 20
RX3 DIR 18
RX3 SIDE SEL 32
RX1 SEL 0 (B) 10
RX1 SEL 1 (B) 12
RX1 MOTOR PWR ON (B) 16
1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33
(DRIVE PAIR B)

J7

2, 34, 28, 26, 8, 30
RX1 SEL 0 (A) 10
RX1 SEL 1 (A) 12
RX1 MOTOR PWR ON (A) 16
1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33
(DRIVE PAIR A)

+5V
RI4 180 (9, 8, 7, 6, 2)
74 LS00 E44 12, 13 → 11
CI RDY
CI WRTPRT
CI TK00
CI INDEX
CI RXRDDATA

POWER SUPPLY J5

AC OK 1
+5V 7, 8, 9
+12V 5, 6
-12V 4
10, 11, 12, 13, 3, 2

+5V R92 1K R93 1K
+3VA
+3V

+5V
+12V
C14, C15, C37 THRU C41, C43 THRU C54, C56 THRU C63, C65 THRU C82, C84 C87 THRU C89, C90 C94, C96, C97, C98, C102 .047 µF
C102 .47µF
C86, C93, C100, C101 .047µF
C83, C85, C91, C95 .047 µF
-12V

REVISION HISTORY

DATE	ECO NUMBER	REV.

DRC 1 1A

CONNECTORS

TITLE DECMATE 2 (C1)

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
D	CS	5415426-0-1	J

SCALE — SHEET 16 OF 16

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FIELD MAINTENANCE PRINT SET

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TABLE OF CONTENTS

B-TC-BA25-0-1	FIELD MAINTENANCE PRINT SET
B-DD-BA25-0	BA25 (DRAWING DIRECTORY ONLY)
E-UA-BA25-0-0	UNIT ASSY BA25
K-PL-BA25-0-DBP	UNIT ASSY BA25 (PARTS LIST)

UNIT VARIATIONS COVERED BY THIS PRINT SET
BA25-A
BA25-B
BA25-CA
BA25-CB
BA25-AA

Field Maintenance Print Set

Digital Equipment Corporation

Print Set Part Number MP- 01415

REVISION HISTORY

REV.	ECO NUMBER	DATE
A	RELEASE	
B	BA25-ML001	10/83
C	BA25-ML004	01/85

DRN. Bob Netto	DATE 24 MAY 82	TITLE digital SMALL SYSTEM UNIT ENCLOSURE
CHK'D. [illegible]	DATE 1 Oct 82	
DES. ENG. Tom Adams	DATE 1 Oct 82	
RESP. ENG. David A. Brand	DATE 1 Oct 82	
FIELD SERVICE GARY HOUDESHELL	DATE 29 Oct 82	
NEXT HIGHER DOC. B-DD-BA25-0		

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
B	TC	BA25-0-1	C

SHEET 1 OF 1

SIZE B CODE TC NUMBER BA25-0-1 REV. C

DRB 124A

SIZE	CODE	NUMBER	REV
B	DD	BA25-0	E

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS																
		BA25-A	SMALL SYSTEM UNIT ENCLOSURE	A	A1	A2	A3	A4												
		BA25-B	BA25-A,RX50-AA,H7842-A,120/240V	A	A1	A2	A3	A3												
		BA25-CA	SMALL SYSTEM UNIT ENCLOSURE WITH DC FAN		A1	A1	A2	A2												
		BA25-CB	BA25-CA,RX50-AA,H7842-D,220-240V		A1	A1	A2	A2												
		BA25-AA	BA25-A,RX50-AA,H7842-D 120/240 SMALL SYSTEMS UNIT ENCLOSURE					A1												
E-UA-BA25-0-0			SMALL SYSTEMS UNIT ENCLOSURE	A	B	C	D	E												
K-PL-BA25-0-DBP			SMALL SYSTEMS UNIT ENCLOSURE	A	B	C	D	E												
B-TC-BA25-0-1			SMALL SYSTEMS UNIT ENCLOSURE	A	B	B	B	C												
B-PL-BA25-0-2			BA25 SHIPPING LIST	A	B	B	B	INA												

NOTES:

REVISION HISTORY						
REV.	A	B	C	D	E	
ECO NO.	INITIAL	BA25-ML001	BA25-ML002	BA25-ML003	BA25-ML004	
DATE		16-NOV 83	20-AUG. 84	03-DEC. 84	18-JAN. 85	

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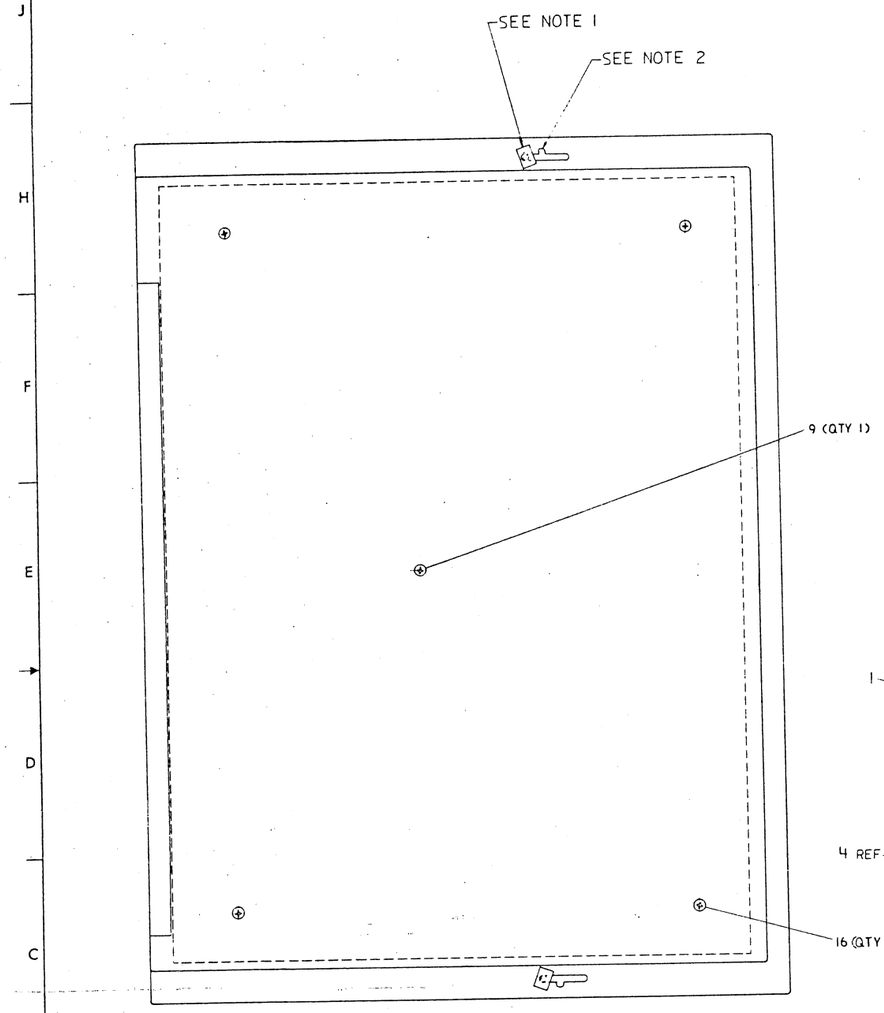
digital

DRN. B.NETTO	DATE 14-MAY-82	TITLE: SMALL SYSTEMS UNIT ENCLOSURE
CHK'D T.CHACKO	DATE 03-SEP-82	
DES. ENG. D.ALBANO	DATE 01-OCT-82	DOCUMENT NUMBER
RESP. ENG. D.ALBANO	DATE 01-OCT-82	SIZE B / CODE DD / NUMBER BA25-0 / REV. E
MFG. ENG. B.PORTER	DATE 01-OCT-82	SHEET 1 OF 1

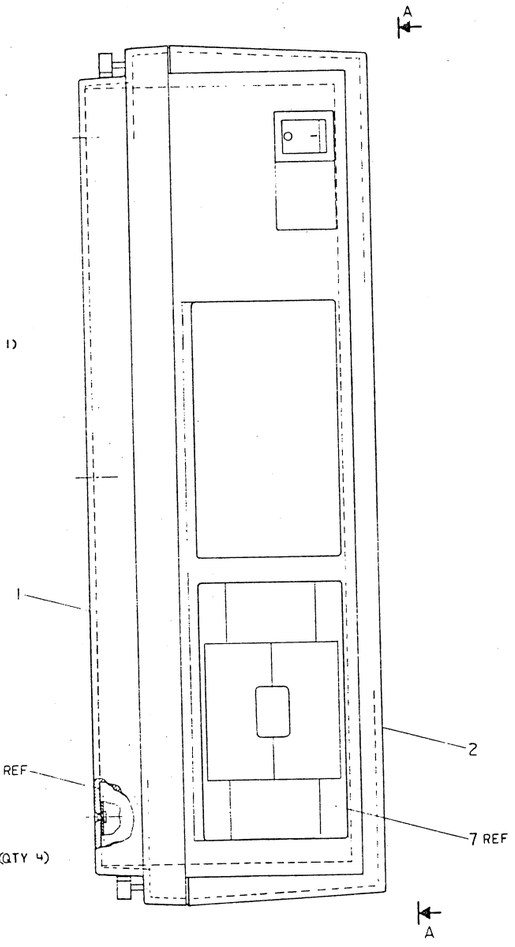
DRB 126C
EN-01242-16-REVA(396)

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LEGEND	
PART NO.	DESCRIPTION
BA25-A	SEE SHT 2
BA25-B	SEE SHT 2
BA25-CA	SEE SHT 3
BA25-CB	SEE SHT 3
BA25-AA	SEE SHT 2



BOTTOM VIEW



NOTES:

1. LATCH WIRE, PART OF ITEM 1, IS SHOWN IN LATCHED POSITION.
2. PULL LATCH WIRE BACK AND OUT TO INDICATED POSITION TO REMOVE ITEM 2.
3. CONNECTORS FROM ITEM 5 PLUG INTO ITEM 14.
4. CONNECTOR FROM ITEM 14 PLUGS INTO ITEM 7.
5. DELETED.
6. TO REMOVE ITEM 7, PUSH DOWN ON SPRING TAB (PART OF ITEM 4) AND SLIDE ITEM 7 TOWARD FRONT OF UNIT.
7. ONE CONNECTOR OF CABLE (ITEM 3) PLUGS INTO ITEM 7 WITH DRAIN WIRE ATTACHING TO QUICK-CONNECT ON ITEM 14. OTHER CONNECTOR HANGS FREE WITH ITS DRAIN WIRE ATTACHED TO QUICK-CONNECT ON ITEM 4.
8. DELETED.
9. CONNECTOR FROM ITEM 14 PLUGS INTO ITEM 13 (-CB VAR ONLY).

-A,-B,-AA,-CA & -CB VAR AS SHOWN

CAUTION
OFF SHEET PARTS LIST EXISTS
SEE K-PL-BA25-0-DBP (C24542)

REVISION HISTORY		
DATE	ECO NUMBER	REV
	INITIAL	A
	BA25-ML001	B
	BA25-ML002	C
	BA25-ML004	E
	BA25-ML003	D

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)

INCHES TOLERANCES	ANGLES ±0°30'	APPLICABLE DIMENSIONAL RANGE (UNDER ONE)	DIMENSION RANGE IN INCHES: OVER 0 TO .2	OVER .2 TO .9	OVER .9 TO 2.0	OVER 2.0 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
X ± .1	SURFACE QUALITY			± .02	± .03	± .06	± .12	± .19	
XX ± .02			± .004	± .006	± .010	± .015	± .029	± .04	
XXX ± .005	MICROINCHES								

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: SEE PARTS LIST

FINISH

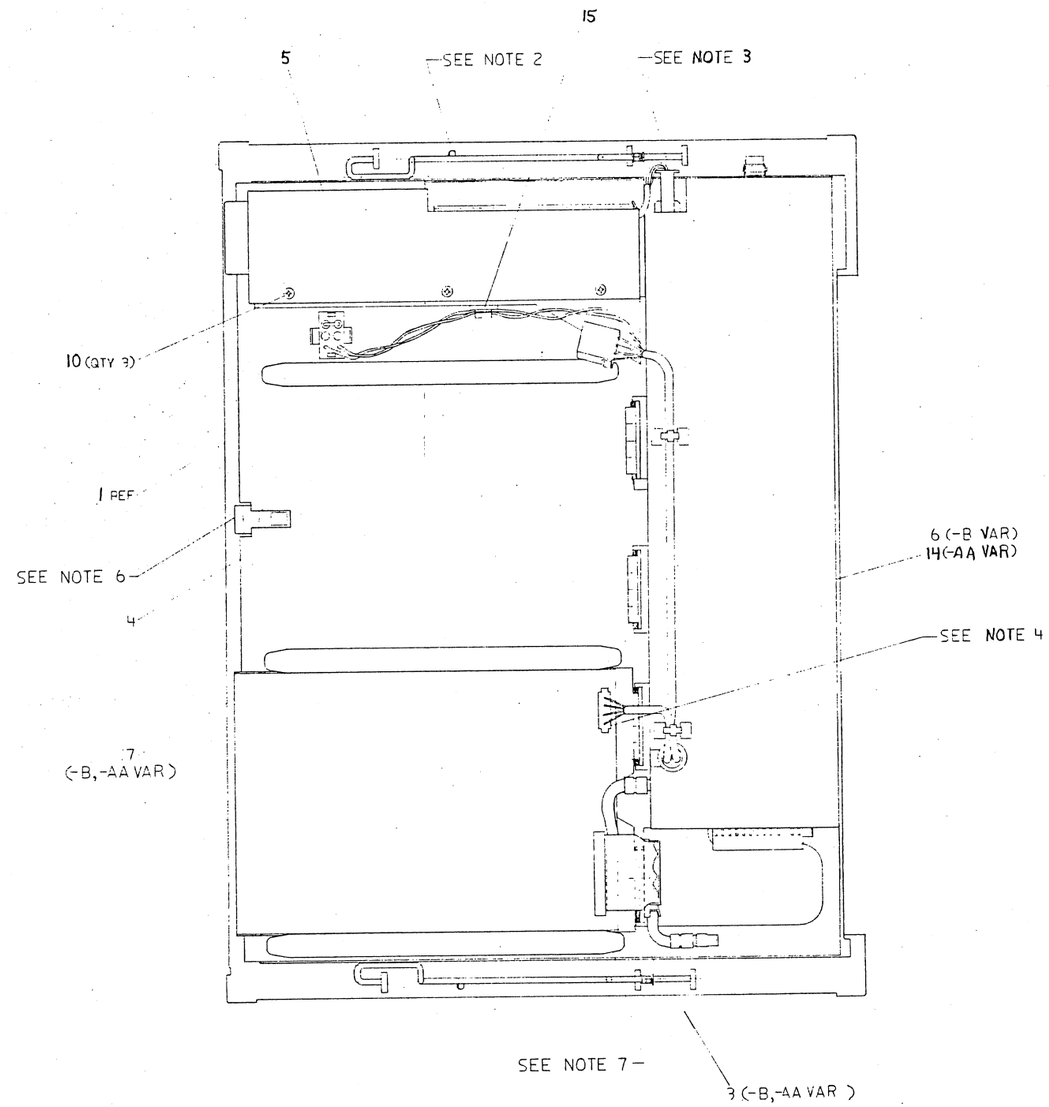
DRN: [illegible] DATE: 15 SEP 83
CHK'D: [illegible] DATE: 23 APR 84
DES ENG: [illegible] DATE: 21 MAY 84
MFG ENG: [illegible] DATE: 21 MAY 84
NEXT HIGHER ASSY

TITLE: digital
SMALL SYSTEM UNIT ENCLOSURE

DOCUMENT NUMBER: EUAIBA25-0-0 E
FILE: [illegible] TEMPLATE
SCALE: 1/1 SHEET 1 OF 3

MLB

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VIEW A-A (WITH ITEM 2 REMOVED)

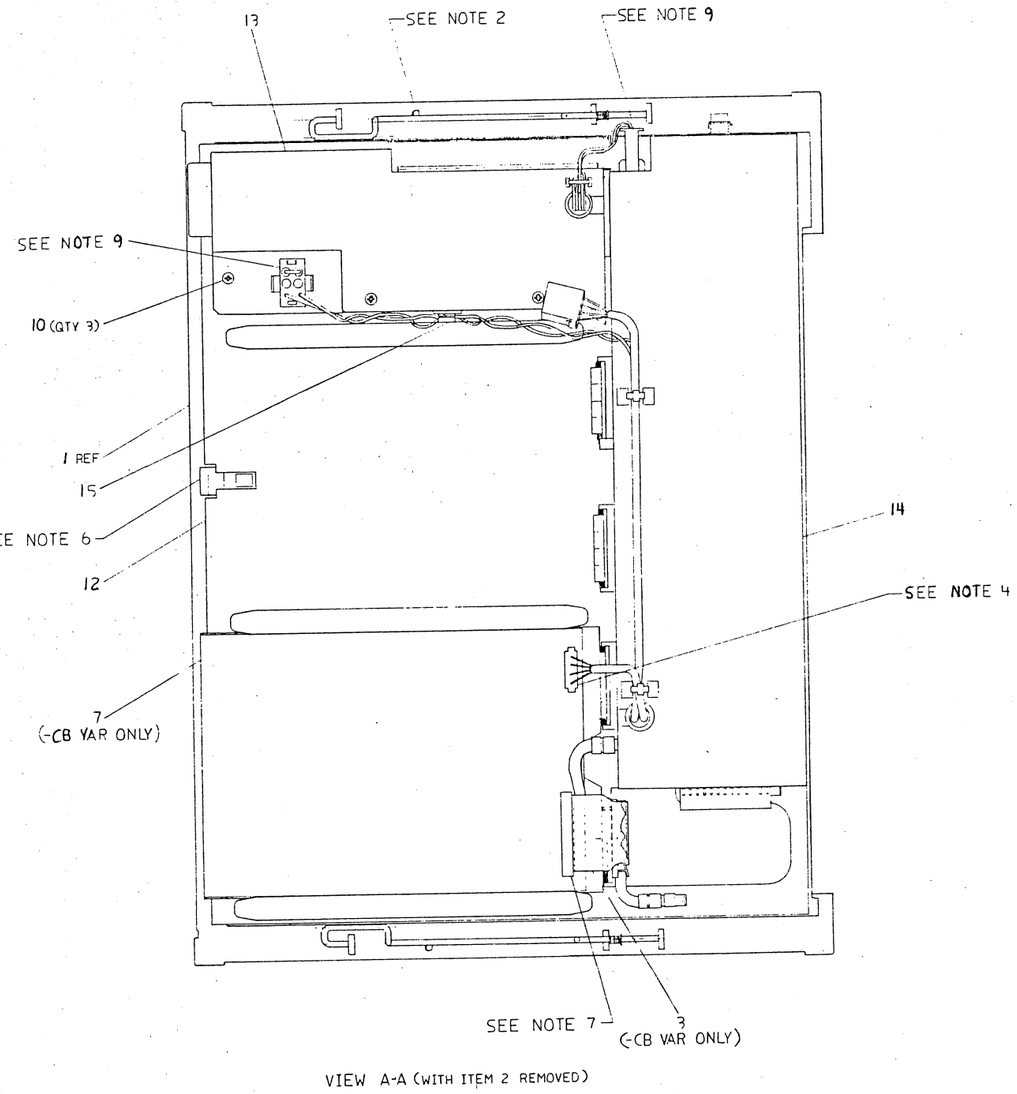
-A, -B AND -AA VAR AS SHOWN

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	SMALL SYSTEM UNIT ENCLOSURE	DOCUMENT NUMBER	REV
		SIZE E CAGE CODE 11A5A MODEL BA25-J-0	E
		SCALE 1:1	SHEET 2 OF 3

ML5

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VIEW A-A (WITH ITEM 2 REMOVED)

-CA AND -CB VAR AS SHOWN

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE: SMALL SYSTEM UNIT ENCLOSURE

DOCUMENT NUMBER: SIZE E | CODE UA | BA25-0-0 | REV E

SCALE 1:1 | SHEET 3 OF 3

ML 3

AUTOMATED BY PRTLST.4Q(46) — P A R T S L I S T — SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION A	B	CA	CB	AA A1
					VARIATION REVISION LEVEL:					
1	1	D-AD-7019573-0-0	7019573-00	B	ENCLOSURE BOTTOM ASSY.	1	1	1	1	1
2	2	E-IA-7019505-0-DBU	7019505-01		TOP ENCLOSURE ASSY. W/FILLER PLA	1	1	1	1	1
3	3		1700317-03		CABLE ASSY 34COND SHIELDED 8"LG	-	1	-	1	1
4	4	D-IA-7019571-0-0	7019571-00		RIVETED ASSY.	1	1	-	-	1
5	5	D-AD-7019572-0-0	7019572-00		FAN BRACKET ASSY	1	1	-	-	1
6	6	E-UA-H7842-0-0	H7842-A		SMALL SYS UNIT POW SUP: 138 WATT	-	1	-	-	-
7	7		RX50 -AA		DUAL 5.25" SINGLE SIDED FLOPPY D	-	1	-	1	1
8	8		1700318-01		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
9	9		9006021-02		SCREW,MACH FLAT PHIL 6-	1	1	1	1	1
10	10		9009701-00		SCREW,SEMS PAN PHIL 6-	3	3	3	3	3
11	11		1213715-02		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
12	12	D-IA-7019571-0-0	7019571-01		RIVETED ASSEMBLY	-	-	1	1	-
13	13	D-AD-7020816-0-DBU	7020816-01		FAN ASSY	-	-	1	1	-
14	14	E-UA-H7842-0-0	H7842-D		SMALL SYS UNIT POW SUP:142 WATTS	-	-	-	1	1
15	15		9009771-03		CLAMP,CABLE,U CLIP,ADH.BACK 3/1	1	1	1	1	-
16	16		9006020-01		SCREW,MACH PAN PHIL 6-	4	4	4	4	4

REVISION HISTORY			BASIC PART NO: BA25
ENG	ECO NUMBER	REV	SECTION A OF A
---	INITIAL	A	SECTION.VARIATION INDEX
AJ	BA25-ML001	B	[A]A ,B ,CA,CB,AA
AJ	BA25-ML002	C	
AJ	BA25-ML003	D	[B]
AJ	BA25-ML004	E	
			[C]
			[D]
			[E]
			[F]

DRN: B. NETTO	DATE: 05-JUN-82	D I G I T A L	
CHK'D: T. CHACKO	DATE: 27-AUG-82	TITLE PARTS LIST SMALL SYSTEM UNIT ENCLOSURE	
DES.ENG: D. ALBANO	DATE: 27-AUG-82	DOCUMENT NUMBER	
		SIZE / CODE / NUMBER / REV	
RESP.ENG.: D. ALBANO	DATE: 27-AUG-82	K / PL / BA25-0-DBP / E	
MFG.ENG.: J. TRITAK	DATE: 27-AUG-82	RELEASE DATE: 14-JAN-85	
ASSEMBLY NUMBER: E-UA-BA25-0-0	TOP DOCUMENT NUMBER: #B-DD-BA25-0	FILE NAME: Z4542E.PLS	EDIT # 4

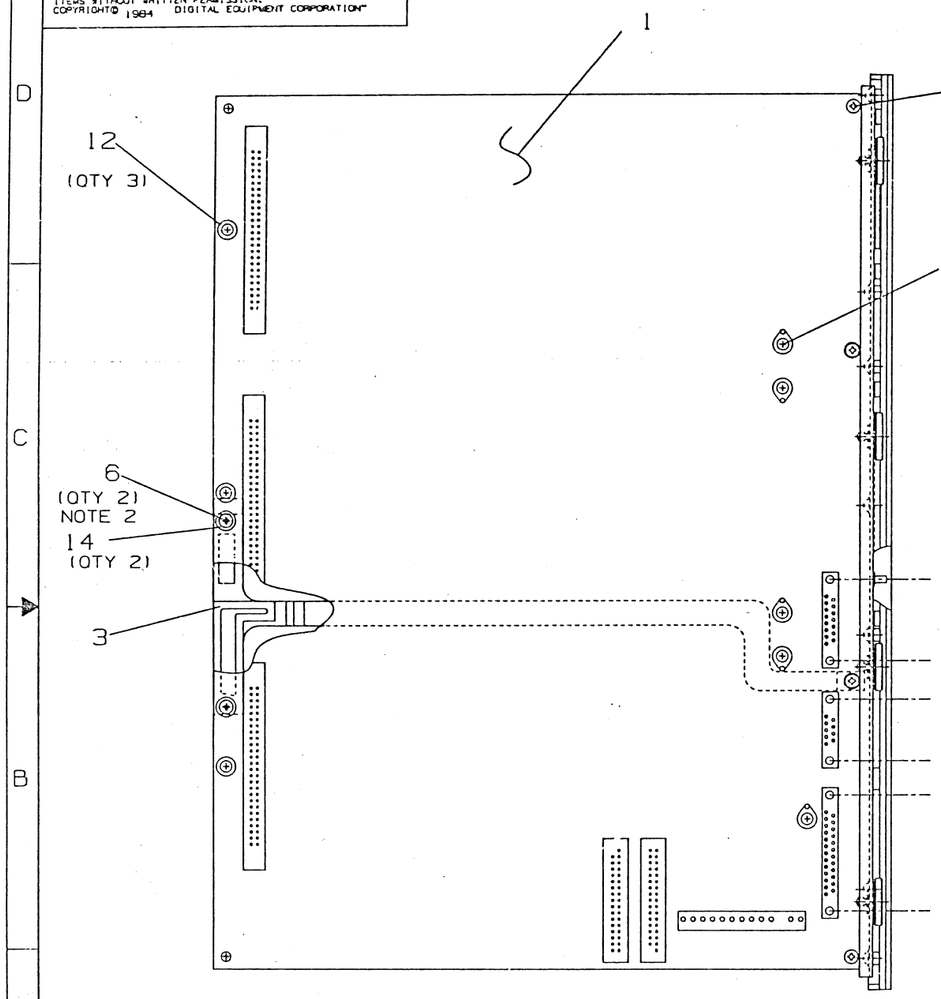
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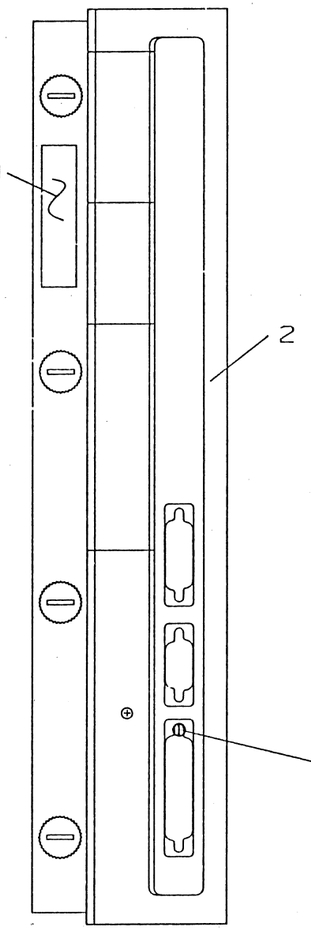
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LEGEND		
PART NO.	REV	VARIATION
7019973-00	A7	AS SHOWN

NOTES:

1. APPLY ITEM #16 TO ITEM #15 AFTER ASSY.
2. TORQUE REQUIREMENTS:
   A) ITEM 6, 3-4 IN-LBS.
   B) ITEM 7, 7-8 IN-LBS.
3. PART TO BE MARKED WITH PART NUMBER, PART REVISION AND VENDOR PER DEC STD 178 IN DESIGNATED AREA SHOWN.





CAUTION: OFF SHEET PARTS LIST EXISTS SEE: K-PL-7019973-0-DBP

REVISIONS			
CHK	CHANGE NO.		REV.
	INITIAL RELEASE		A
	7019973-ML001		B
S COMRIER	9 MAR 83		
D PUCCI			
	PC278-ML002		D
SW GILCHER	5 NOV 83		
D PUCCI			
	7019973-ML003		E
S.AZEVEDO	28FEB84		
D.PUCCI			
	7019973-ML004		F
M MOYNIHAN	7 APR 84		
D KIEFER			
	7019973-ML005		H
B.E CASSIDY	8 MAY 84		
AL JOHNS			
	7019973-ML006		J
S.AZEVEDO	01OCT84		
A.JOHNS			K
	7019973-PL007		
R.GUTHEIE	05JAN85		
A.JOHNS			
	7019973-PL008		L
C.MCNEIL	05SEP85		
A.JOHNS			

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: .X ± .1; .XX ± .02; .XXX ± .005
ANGLES ±0° 30'
SURFACE QUALITY: MICROINCHES
QUANTITY & VARIATION
APPLICABLE DIMENSION RANGE (CHECK ONE)

DIMENSION RANGE IN INCHES					
OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0 dup	OVER 12.0 TO 40.0 dup	OVER 40.0 TO 80.0 dup
±.002	±.003	±.005	±.010		
±.004	±.008	±.012	±.016	±.024	±.04

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL: SEE PARTS LIST
FINISH: NONE

DRN	S.AZEVEDO	DATE 19OCT82
CHK'D	D.HEALY	DATE 19OCT82
DES. ENG.	D.MOORE	DATE 19OCT82
RESP. ENG.	D.PUCCI	DATE 19OCT82
MFG. ENG.	B.PORTER	DATE 19OCT82
TOP DOC.	D-AD-7019973-0-DBU	

TITLE: digital
CPU, ASSY DECMATE II
DOCUMENT NUMBER
SIZE D | CODE AD | NUMBER 7019973-0-DBU | REV. L
SCALE 1/1 | SHEET 1 OF 1

AUTOMATED BY PRTLST.4Q(47) — P A R T S L I S T — SHEET A1 OF A1

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION 00 / A6
					VARIATION REVISION LEVEL:	
1	1	E-UA-5415426-0-0	5415426-00	F	DECMATE II	1
2	2	D-AD-7019942-0-DBU	7019942-00		CONN. PANEL ASSY.	1
3	3	D-MD-7427523-0-0	7427523-01		SUPPORT,KEEL	1
4	4		9008451-05		*** THIS ITEM IS NOT USED ***	-
5	5		9010099-00		*** THIS ITEM IS NOT USED ***	-
6	6		9009800-07		SCREW,TAP PAN PHIL THD RL 4-	2
7	7		9000049-44		SCREW,SEMS PAN PHIL 4-	4
8	8		1219857-02		*** THIS ITEM IS NOT USED ***	-
9	9		1219857-05		*** THIS ITEM IS NOT USED ***	-
10	10		9000003-06		*** THIS ITEM IS NOT USED ***	-
11	11		9009321-00		*** THIS ITEM IS NOT USED ***	-
12	12		1219857-03		STANDOFF,NYLON	3
13	13		1219857-06		STANDOFF,NYLON	5
14	14		9000003-05		WASHER,FLAT NYLON	2
15	15		9008451-06		SCREW,JACK HEX WASHER .060TH	6
16	16		4901223-00		ADHESIVE, ANAEROBIC, RESIN BASE	A/R

REVISION HISTORY

ENG	ECO NUMBER	REV
---	INITIAL	A
DP	7019973-ML001	B
DP	PC278-ML002	C
DP	7019973-ML002	D
DP	7019973-ML003	E
DK	7019973-ML004	F
AJ	7019973-ML005	H
AJ	7019973-ML006	J
AJ	7019973-ML007	K

BASIC PART NO: 7019973

SECTION A OF A

SECTION.VARIATION INDEX
[A]00
[B]
[C]
[D]
[E]
[F]

DRN: D. HEALY	DATE: 24-AUG-82	D I G I T A L
CHK'D: D. HEALY	DATE: 13-OCT-82	TITLE PARTS LIST CPU ASSY, DECMATE II
DES.ENG: D. MOORE	DATE: 13-OCT-82	DOCUMENT NUMBER
RESP.ENG.: D. PUCCI	DATE: 13-OCT-82	SIZE K / CODE PL / NUMBER 7019973-0-DBP / REV K
MFG.ENG.: B. PORTER	DATE: 13-OCT-82	RELEASE DATE: 15-JAN-85
ASSEMBLY NUMBER: D-AD-7019973-0-DBU	TOP DOCUMENT NUMBER: D-AD-7019973-0-DBU	FILE NAME: Z5345K.PLS / EDIT # 25

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P A R T S L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION A
1	1	D-AD-7019973-0-0	7019973-00	CPU ASSY, DECMATE	1
2	2	A-PA-3700705-0-0	3700705-01	PKG CPU 54154XX	1

REVISION HISTORY			BASIC PART NO: KK612										
ENG	ECO NUMBER	REV	SECTION A OF A	DRN: D. HEALY	DATE: 25-AUG-82		D	I	G	I	T	A	L
---	INITIAL	A	SECTION. VARIATION INDEX [A] A	CHK'D: D. HEALY	DATE: 7-JAN-83	TITLE	PARTS LIST						
			[B]	DES.ENG.: D. MOORE	DATE: 7-JAN-83		CPU ASSY (FIELD SERV.) DECMATE II						
			[C]	RESP.ENG.: D. PUCCI	DATE: 7-JAN-83		DOCUMENT NUMBER						
			[D]			SIZE	CODE	NUMBER				REV	
			[E]	MFG.ENG.: B. PORTER	DATE: 7-JAN-83	K	PL	KK612-0-DBP				A	
			[F]	ASSEMBLY NUMBER: K-PL-KK612-0-DBP	TOP DOCUMENT NUMBER: #PC278-0			FILE NAME: Z5355A.PLS				EDIT # 8	

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REWORK INSTRUCTIONS
ML002 COMPONENT ADDS SIDE 1

2 - 14 ADD 1K RES R206 CONNECT ONE LEAD FROM PTH BETWEEN C16 LOCATION AND L1 AND THE OTHER LEAD TO E110-14 (+5V) USE TEFLON TUBING (9107256-11) ON THE LEADS

2 - 15 ADD 390 P.F CAP (C202) CONNECT ONE LEAD FROM PTH, JUST ABOVE AND TO THE LEFT OF E144-4, AND THE OTHER LEAD TO E164-7 (GND).

ML002 WIRE ADDS SIDE 1

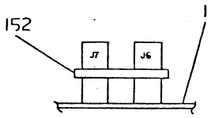
2 - 1 ADD JUMPER FROM E145-4 TO PTH LEFT OF E126-1
2 - 2 ADD JUMPER FROM E129-5 TO R2-10
2 - 3 ADD JUMPER FROM E153-4 TO E149-33
2 - 4 ADD JUMPER FROM E152-4 TO E125-1
2 - 5 ADD JUMPER FROM E153-3 TO E125-3
2 - 6 ADD JUMPER FROM E125-2 TO E126-12
2 - 7 ADD JUMPER FROM E125-8 TO E126-15
2 - 8 ADD JUMPER FROM E111-5 TO E111-7 (GND)
2 - 9 ADD JUMPER FROM E111-6 TO E144-6
2 - 10 ADD JUMPER FROM E111-4 TO E125-10
2 - 11 ADD JUMPER FROM E125-10 TO E175-4
2 - 12 ADD JUMPER FROM E175-5 TO E122-4
2 - 13 ADD JUMPER FROM E175-6 TO E123-9

REWORK INSTRUCTIONS
ECO#ML004

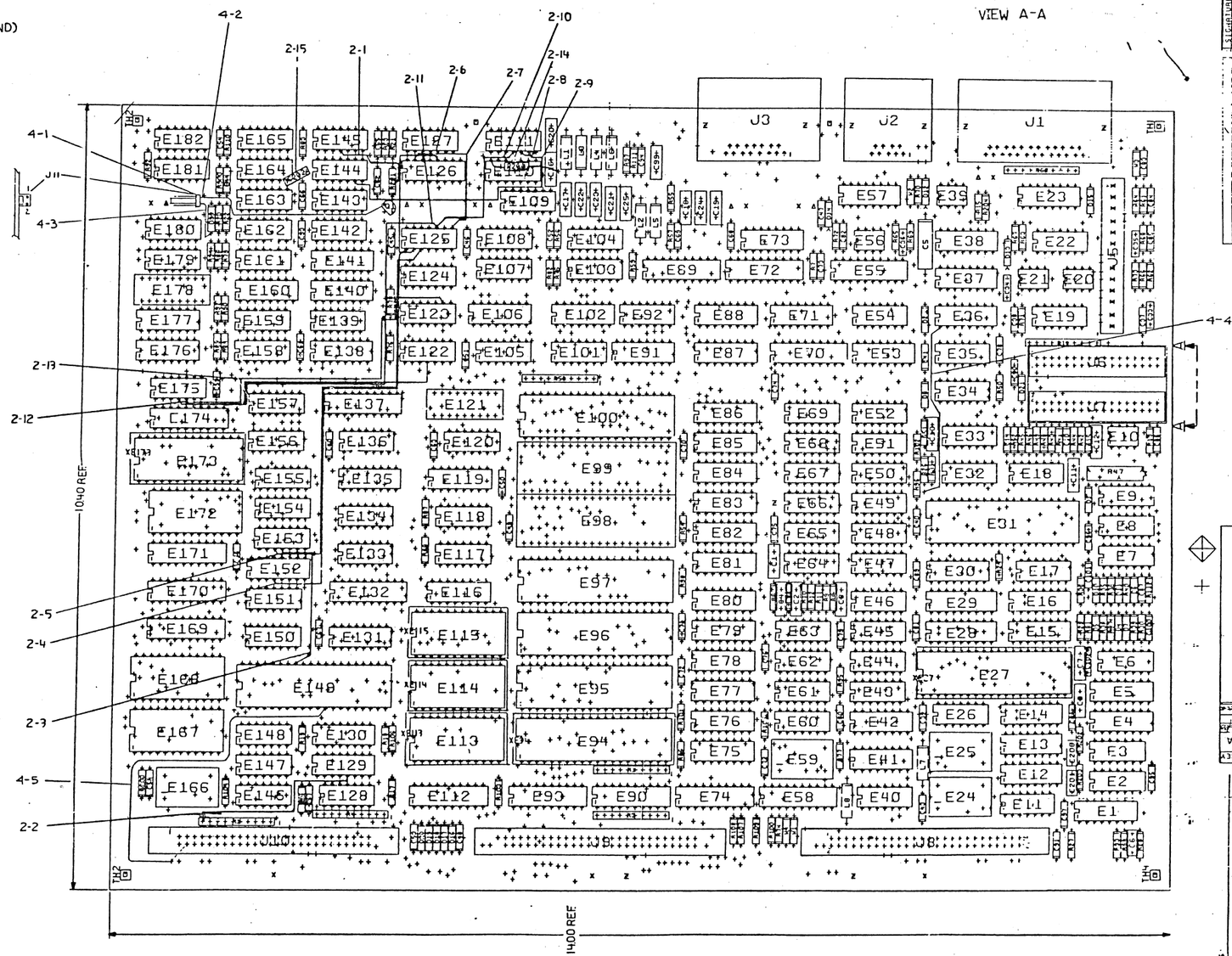
COMPONENT ADD SIDE 1 AS SHOWN
4-1 J11, USE ONE DROP OF 9009065-00 BONDED TO CIRCUIT BOARD

WIRE ADDS SIDE 1 AS SHOWN
4-2 J11-1 TO EMITTER OF Q1
4-3 J11-2 TO BOTTOM OF D99
4-4 FROM E34-1 TO PTH BELOW R26

WIRE ADDS SIDE 2 AS SHOWN
4-5 FROM E149-12 TO J10-4



VIEW A-A



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digital

DECMATE II

SYSTEM (OA)

E UA 5475426-0-1

NEXT HIGHER PROT. ID 005426-0-0

SHEET 2 OF 3

TOLERANCES

DRAWN

CHK'D

ENG.

MFG ENG.

PROJ ENG.

PROD

QUAL

CHANGE NO REV

B 12500 -

A 12504 -

NOTES:

STEP | TIMES | STEP | TIMES

STEP 1 | Y AXIS | REPEAT | X AXIS

E UA 5475426-0-1 A

AUTOMATED BY PRTLST.4Q(50)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
1	1	D-MD-5015425-0-0	5015425-00		DRILL&ETCH BOARD 54-15426 DECMAT	1	1	1	
2	2		1000009-00		33.0 MMF 100V 5%200PPM MICA	1	1	1	C12
3	3		1000014-00		68.0 MMF 100V 5%200PPM MICA	2	2	2	C8,C4
4	4		1000016-00		100.0 MMF 100V 5%200PPM MICA	1	1	1	C6
5	5		1000019-00		150.0 MMF 100V 5%200PPM MICA	3	3	3	C1,C200,C201
6	6		1000024-00		470.0 MMF 100V 5%200PPM MICA	6	6	6	C13,C21-C25
7	7		1005636-00		22 MFD 6V 10% S.TANT	1	1	1	C5
8	8		1001610-00		.01 MFD 50V +80-20% Z5U CER	1	1	1	C10
9	9		1001631-00		390.0 MMF 100V 5%200PPM MICA	2	2	2	C11,C202
10	10		1012121-01		*** THIS ITEM IS NOT USED ***	-	-	-	
11	11		1012312-01		.47 MFD 50V +80-20% CER	5	5	5	C33-C36,C102
12	12		1012784-00		.047 MFD 50V +80-20% CER	61	61	61	C14,C15,C37-C41,C43-C54,C56-C63,
								CONT	C65-C89,C93-C98,C100,C101,C91
13	13		1102421-00		VZ= 6.2 5% 400 MW 1N753A	1	1	1	D8
14	14		1105275-00		*** THIS ITEM IS NOT USED ***	-	-	-	
15	15		1110967-00		PIV= 600 IO= 1.00A 1N4005 DO-41	4	4	4	D12-D15
16	16		1110994-00		VZ= 5.1 5% 400 MW 1N751A	2	2	2	D1,D99
17	17		1111577-00		PIV= 50 IO=200 MA - 4NS 1N4454	6	6	6	D4-D7,D21,D2
18	18		1215006-02		*** THIS ITEM IS NOT USED ***	-	-	-	
19	19		1215006-06		SKT,IC 24PIN DIP TIN SOLD	3	3	3	XE113,XE114,XE115
20	20		1215006-07		SKT,IC 28PIN DIP TIN SOLD	1	1	1	XE173
21	21		1215006-08		SKT,IC 40PIN DIP TIN SOLD	2	2	2	XE27,XE94
22	22		1215699-05		PCB,HEADER 12POS(1X13).156CC STR	1	1	1	J5
23	23		1219066-01		PCB HEADER 52PIN(2X26).100CC STR	3	3	3	J8-J10
24	24		1219952-01		*** THIS ITEM IS NOT USED ***	-	-	-	
25	25		1220398-01		CONN,D SUB 9PIN ASSY RT ANGLE	1	1	1	J2
26	26		1220398-02		CONN,D SUB 15PIN ASSY RT ANGLE	1	1	1	J3
27	27		1220398-03		CONN,D SUB 25PIN ASSY RT ANGLE	1	1	1	J1
28	28		1300197-00		33.0 .25 W 5.0 % CF	1	1	1	R21
29	29		1300202-00		47.0 .25 W 5.0 % CF	2	2	2	R106,R204

REVISION HISTORY		
ENG	ECO NUMBER	REV
PS	5415426-ML004	A
PS	5415426-ML005	B
DK	5415426-ML008	C
DK	5415426-ML009	D

BASIC PART NO: 5415426

SECTION A OF A

SECTION.VARIATION INDEX
[A] AC,AF,AH
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[K]
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[M]
[N]

DRN: JOHN COTE	DATE: 12-MAR-82	D I G I T A L
CHK'D: MIKE FUNARO	DATE: 12-MAR-82	TITLE PARTS LIST DECMATE 2
DES.ENG: JOHN KIRK	DATE: 3-AUG-82	DOCUMENT NUMBER
RESP.ENG.: JOHN KIRK	DATE: 3-AUG-82	SIZE K / CODE PL / NUMBER 5415426-0-DBP1 / REV D
MFG.ENG.: BARRY DAVILLI	DATE: 3-AUG-82	RELEASE DATE: 28-JAN-85
ASSEMBLY NUMBER: E-UA-5415426-0-1	TOP DOCUMENT NUMBER: #B-DD-5415426-0	FILE NAME: ML24D.PLS / EDIT # 12

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P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
30	30		1300250-00		150.0 .25 W 5.0 % CF	1	1	1	R17
31	31		1300309-00		390.0 .25 W 5.0 % CF	1	1	1	R22
32	32		1300365-00		1.0 K .25 W 5.0 % CF	12	12	12	R7,R26,R27,R54,R79,R80,R81,R92,
33	33		1300444-00		3.90 K .25 W 5.0 % CF	1	1	CONT 1	R93,R97,R201,R206 R28
34	34		1300447-00		4.70 K .25 W 5.0 % CF	35	35	35	R18,R19,R24,R30,R59,R61,R74-R78,
								CONT	R83-R91,R98-R105,R107,R109-R112,
35	35		1300479-00		10.0 K .25 W 5.0 % CF	7	7	CONT 7	R200,R108 R31,R32,R37,R35,R70,R96,R95
36	36		1301322-00		180.0 .25 W 5.0 % CF	8	8	8	R62-R69
37	37		1301401-00		750.0 .25 W 5.0 % CF	1	1	1	R20
38	38		1301425-00		300.0 .25 W 5.0 % CF	1	1	1	R94
39	39		1301808-00		*** THIS ITEM IS NOT USED ***	-	-	-	
40	40		1301972-00		270.0 .25 W 5.0 % CF	2	2	2	R51,R900
41	41		1302379-00		75.0 .25 W 5.0 % CF	1	1	1	R23
42	42		1302411-00		511.0 .25 W 1.0 % RN55D-F10	2	2	2	R38,R40
43	43		1302466-00		100.0 K .25 W 5.0 % CF	2	2	2	R82,R15
44	44		1302612-00		1.78 K .25 W 1.0 % RN55D-F10	1	1	1	R50
45	45		1302872-00		681.0 .25 W 1.0 % RN55D-F1	1	1	1	R52
46	46		1303114-00		1.0 K .25 W 1.0 % RN55D-F10	3	3	3	R48,R49,R42
47	47		1304854-00		5.11 K .25 W 1.0 % RN55D-F10	2	2	2	R41,R43
48	48		1304858-00		348.0 .25 W 1.0 % RN55D-F10	3	3	3	R6,R10,R9
49	49		1304870-00		6.81 K .25 W 1.0 % RN55D-F10	1	1	1	R44
50	50		1305346-00		27.0 K .25 W 5.0 % CF	3	3	3	R55-R57
51	51		1309143-07		1.0 K .75 W10.0 % POT	1	1	1	R47
52	52		1309595-00		1.0 M .25 W 5.0 % CF	3	3	3	R71-R73
53	53		1313469-00		240.0 .25 W 5.0 % CF	1	1	1	R13
54	54		1313589-00		1.40 K .25 W 1.0 % RN55D-F10	2	2	2	R11,R12
55	55		1313752-00		15.0 K .25 W 1.0 % RN55D-F10	4	4	4	R36,R39,R45,R46
56	56		1316395-00		R NETWORK 9-4.7K 2.0 % 10PIN	5	5	5	R1-R4,R53
57	57		1317399-00		6.49 K .25 W 1.0 % RN55D-F10	1	1	1	R29
58	58		1320183-01		R NETWORK 9-27K 2.0 % 10PIN	1	1	1	R60
59	59		1320184-01		R NETWORK 9-180 2.0 % 10PIN	1	1	1	R14
60	60		1509338-00		DEC6531B NPN 310MW SI 40 90 P	1	1	1	Q1
61	61		1517999-00		3906 PNP 900MW ARRAY 14PIN	1	1	1	E33
62	62		1618238-02		BEAD,FERRITE .1380DX.330LG	8	8	8	L1-L8
63	63		1811660-02		OSCILLATOR, XTAL 5.0688 MHZ	1	1	1	E166
64	64		1811660-40		OSCILLATOR, XTAL 15.741 MHZ	1	1	1	E24
65	65		1811660-41		OSCILLATOR, XTAL 22.896 MHZ	1	1	1	E59
66	66		1815860-01		OSCILLATOR, XTAL 16.000 MHZ	1	1	1	E25
67	67		1909928-00		7416 INVERTER GATE-HEX 1I	3	3	3	E161,E17,E68
68	68		1909929-00		7417 BUFFER GATE-HEX 1INP	4	4	4	E64,E7,E144,E19
69	69		1910268-00		DEC 75107B RECEIVER,LINE,DUAL,	3	3	3	E63,E47,E8
70	70		1910322-00		DEC 1488L DRIVER,LINE,QUAD,EI	1	1	1	E127
71	71		1910323-00		DEC 1489L RECEIVER,LINE,QUAD,	1	1	1	E104
72	72		1910534-00		74S04 INVERTER GATE-HEX 1I	2	2	2	E139,E61
73	73		1910535-00		74S05 INVERTER GATE-HEX 1	1	1	1	E147
74	74		1910544-00		74S74 FF-D DUAL,EDGE TRIGG	1	1	1	E40

D I G I T A L	TITLE DECMATE 2	SECTION A OF A

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	5415426-0-DBP1	D

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION		QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:					
75	75		1910545-00		74S112	FF-JK DUAL,EDGE TRIG	1	1	1	E135
76	76		1910547-00		74S153	MUX 1 OF 4 (DUAL)	1	1	1	E41
77	77		1910550-00		74S174	FF-D HEX	1	1	1	E160
78	78		1911219-01	DEC	7438	NAND GATE-QUAD 2IN,B	1	1	1	E9
79	79		1912096-00	DEC	74S86	XOR GATE,QUAD 2IN	1	1	1	E151
80	80		1912388-00		74S02	NOR GATE-QUAD 2IN,PO	1	1	1	E163
81	81		1912647-00		LS257	MUX 1 OF 2 (QUAD)	3	3	3	E116,E119,E131
82	82		1912697-00		LS174	FF-D HEX W/CLEAR	5	5	5	E16,E30,E37,E126,E177
83	83		1912746-00	DEC	74S37	NAND GATE-QUAD 2IN	1	1	1	E65
84	84		1912799-00		LS00	NAND-GATE-QUAD 2IN,P	6	6	6	E124,E66,E44,E154,E157,E35
85	85		1912800-00		LS01	NAND-GATE-QUAD 2IN,P	1	1	1	E103
86	86		1912801-00		LS02	NOR-GATE-QUAD 2IN	5	5	5	E125,E101,E118,E49,E150
87	87		1912803-00		LS04	INVERTER GATE,HEX	3	3	3	E153,E26,E179
88	88		1912805-00		LS08	AND GATE-QUAD 2IN,PO	5	5	5	E182,E155,E123,E18,E156
89	89		1912807-00		LS10	NAND GATE-TRIPLE 3IN	2	2	2	E92,E122
90	90		1912808-00		LS11	AND GATE-TRIPLE 3IN	1	1	1	E136
91	91		1912813-00		LS27	NOR GATE-TRIPLE 3IN	2	2	2	E62,E67
92	92		1912816-00		LS32	OR GATE-QUAD 2IN,POS	11	11	11	E3,E32,E34,E69,E105,E108,E109,
									CONT	E128,E134,E142,E143
93	93		1912824-00		LS74	FF-D DUAL,EDGE TRIGG	15	15	15	E107,E43,E146,E148,E48,E50,E52,
									CONT	E2,E162,E11,E54,E120,E51,E165,
									CONT	E46
94	94		1912829-00		LS86	X-OR GATE-QUAD 2IN	1	1	1	E159
95	95		1912834-00		LS112	FF-JK,DUAL,EDGE TRIG	1	1	1	E4
96	96		1912842-00		LS138	DECODER-THREE INPUT,	3	3	3	E106,E15,E91
97	97		1912843-00		LS139	DECODER, 2 OF 4(DUAL	1	1	1	E36
98	98		1912849-00		LS161	COUNTER,SYNCHR,4BIT	1	1	1	E12
99	99		1912853-00		LS175	FF-D QUAD	1	1	1	E14
100	100		1912858-00		LS221	ONE SHOT-DUAL,SCHMIT	2	2	2	E1,E5
101	101		1912862-00		LS266	X-NOR GATE-QUAD,OPN,	1	1	1	E22
102	102		1912863-00		LS273	FF-D OCTAL W/CLEAR	1	1	1	E137
103	103		1912867-00		LS298	MUX 1 OF 4,2IN W/S	3	3	3	E53,E73,E71
104	104		1912871-00		LS375	LATCH	1	1	1	E152
105	105		1913340-00		74S32	OR GATE-QUAD 2IN	1	1	1	E175
106	106		1913414-00		LS14	INVERTER GATE-HEX SC	1	1	1	E145
107	107		1913471-00		LS367	DRIVER,BUS,HEX,TRI-S	8	8	8	E130,E129,E78,E85,E38,E138,E140,
									CONT	E102
108	108		1914214-00		LS374	FF-D OCTAL EDGE TRIG	5	5	5	E171,E169,E74,E58,E132
109	109		1914451-00		LS393	COUNTER,BINARY,4BIT	2	2	2	E164,E181
110	110		1914466-00		3130E	OP AMP MOS/FET IN,CM	1	1	1	E10
111	111		1915123-03		26LS32-3	RECEIVER,LINE RS232	2	2	2	E23,E57
112	112		1915193-00		LS244	DRIVER,LINE,OCTAL,TR	7	7	7	E170,E174,E112,E70,E89,E72,E55
113	113		1915218-00		LS245	TRANSCEIVER,BUS,OCTA	2	2	2	E93,E90
114	114		1915415-00		9636	DRIVER,DUAL,EIA RS-	4	4	4	E20,E21,E39,E56
115	115		1915758-00	***	THIS ITEM IS NOT USED ***		-	-	-	
116	116		1915932-00		LS125	BUFFER,QUAD BUS	3	3	3	E110,E111,E133
117	117		1916139-00		LS126A	BUS DRIVER,QUAD	3	3	3	E60,E117,E158
118	118		1920373-01		LS137	DECODER,3 TO 8	1	1	1	E141

D I G I T A L	TITLE DECMATE 2	SECTION A OF A	SIZE K	CODE PL	DOCUMENT NUMBER 5415426-0-DBP1	REV D

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
119	119		2112623-00		DUAL BAUD RATE GEN/PROG DIVIDER,	2	2	2	E121,E178
120	120		2113937-00		UART 125K BUAD	2	2	2	E98,E99
121	121		2114212-00		P 2114-2 RAM,1024X4,STATIC	2	2	2	E28,E29
122	122		2115108-00		HM 6121 I/O CONTROLLER FOR 6	3	3	3	E95-E97
123	123		2117872-01		RAM 2KX8 I/O MUXD 20	1	1	1	E172
124	124		2118172-03		6120 MICROPROCESSOR 12-BI	1	1	1	E94
125	125		2118467-02		8264-15 RAM 64K X1,150NS 1	12	-	-	E75-E77,E79-E84,E86-E88
126	126		2118823-00		1793-02 FLOPPY DISK FORMAT	1	1	1	E31
127	127		2118856-00		CONTROLLER,MULTI-PROTOCOL SERIAL	1	1	1	E100
128	128		2120065-01		9007 CONTROLLER,CRT	1	1	1	E149
129	129		2120066-01		BUFFER,SINGLE ROW	2	2	2	E167,E168
130	130		23008M1-00		M1-01	1	1	1	E27
131	131		23114E4-00		E4-06,E4-07 ROM	1	1	1	E173
132	132		23358E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
133	133		23359E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
134	134		23360E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
135	135		23640A2-00		A2-05,A2-08 RO	1	1	1	E13
136	136		9006732-00		*** THIS ITEM IS NOT USED ***	-	-	-	
137	137		9009185-00		JUMPER, WIRE, INSULATED, BLACK B	3	3	3	W4,W2,W3
138	138		9105740-55		WIRE(WRAP) 30AWG KYNAR UL14	A/R	A/R	A/R	
139	139		9107256-00		*** THIS ITEM IS NOT USED ***	-	-	-	
140	140		1110603-00		SCHOTTKY PIV= 70 IO= 15 MA	2	2	2	D10,D11
141	141		1300229-00		100.0 .25 W 5.0 % CF	2	2	2	R202,R203
142	142		1305374-00		*** THIS ITEM IS NOT USED ***	-	-	-	
143	143		1316395-01		*** THIS ITEM IS NOT USED ***	-	-	-	
144	144		1914082-00		74S163 COUNTER,SYNCH UP/DOW	1	1	1	E42
145	145		1912838-00		LS132 NAND GATE-QUAD 2IN P	1	1	1	E6
146	146		2120880-01		74HC74 FF-D,DUAL CMOS	1	1	1	E45
147	147		1017472-00		*** THIS ITEM IS NOT USED ***	-	-	-	
148	148		7427758-01		*** THIS ITEM IS NOT USED ***	-	-	-	
149	149		7427758-02		*** THIS ITEM IS NOT USED ***	-	-	-	
150	150	SEE NOTE	1220511-02		PCB HEADER 33PIN(2X17).100CC STR	1	1	1	J6
151	151	SEE NOTE	1220511-03		PCB HEADER 33PIN(2X17).100CC STR	1	1	1	J7
152	152	SEE NOTE	7427524-01		SUPPORT,HEADER	1	1	1	
153	153		9000024-01		EYELET,ROLLED 0.1210DX0.192	6	6	6	
154	154		1302955-00		750.0 .25 W 1.0 % RN55D-F10	1	1	1	R8
155	155		2118172-01		*** THIS ITEM IS NOT USED ***	-	-	-	
156	156		2118470-02		4864-2 MOS RAM 64K X1,150	-	12	-	E75-E77,E79-E84,E86-E88
157	157		2118472-02		4164-3 MOS RAM 64K X1,150	-	-	12	E75-E77,E79-E84,E86-E88
158	158		1012121-00		220.0 MMF 100V 1%200PPM MICA	3	3	3	C2,C3,C7
159	159		9107256-11		TUBING,TEFLON .027ID	A/R	A/R	A/R	
160	160		1300299-00		*** THIS ITEM IS NOT USED ***	-	-	-	
161	161		1219251-00		PCB HEADER 02PIN(1X02).100CC STR	1	1	1	J11
162	162		9009065-00		ADH,LIQ.RM.TEMP CURING GEN.PURPO	A/R	A/R	A/R	
163	163		23390E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
164	164		23391E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
165	165		23392E2-00		*** THIS ITEM IS NOT USED ***	-	-	-	
166	166		1915758-01		LS166 SHIFT REG. 8BIT PARA	1	1	1	E176

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VARIATION AC	AF	AH	REFERENCE DESIGNATOR
					VARIATION REVISION LEVEL:				
167	167		1910532-00		74S00 NAND GATE-QUAD 2IN	1	1	1	E180
168	168		23399E2-00	E2-05		1	1	1	E113
169	169		23400E2-00	E2-05		1	1	1	E114
170	170		23401E2-00	E2-05		1	1	1	E115

171 NOTE: 7427758-01, 02 MAY BE SUBSTITUTED FOR 1220511-02, 04 RESPECTIVELY AS A GROUP.
172 NOTE: NOTE THAT 7427524-01 IS TO BE USED ONLY WITH THE 1220511 CONNECTORS.

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DCS5415426-0-2 D

8 7 6 5 4 3 2 1

A B C D

+5V (1) R1 4.7K 10

G12@ E94
RUN/HLT
ACK
STRTUP
DX@0 DX@1 DX@2 DX@3 DX@4 DX@5 DX@6 DX@7

R3 4.7K (1) +5V 10 9

28

+5V R85 4.7K
CRTC DRB → DMAREQ
DX@8 DX@9 DX1@ DX11

IOC SKIP → SKIP
TI CPUCLK → OSCIN
TI RESET L → RESET

DMAGNT

74LS126 E117
R88 4.7K +5V

OUT
IFETCH
I/O CLR
EMA2

74LS367 E129
CP OUT
CP IFETCH
CP I/O CLR

XT DISADD

74 S04 EG1

74LS367 E139
LXPAR
LXMAR
LXDAR
READ
WRITE
MEMSEL
C1
C@

CP LXPAR
CP LXMAR
CP LXDAR
CP READ
CP WRITE

R109 4.7K +5V

74LS245 E93
DIR ENB
A@ A7 A6 A5 A4 A3 A2 A1
B@ B7 B6 B5 B4 B3 B2 B1

74LS245 E99
DIR ENB
A4 A3 A2 A1 A@ A7 A6 A5
B4 B3 B2 B1 B@ B7 B6 B5

R1 4.7K +5V
R2 4.7K +5V
R3 4.7K (1) +5V
R4 4.7K (1) +5V

CP DX@@ CP DX@1 CP DX@2 CP DX@3 CP DX@4 CP DX@5 CP DX@6 CP DX@7
CP DX@8 CP DX@9 CP DX1@ CP DX11

74LS374 E74
D3 D4 D2 D5 D1 D6 D@ D7 EN OC
R3(1) R4(1) R2(1) R5(1) R1(1) R6(1) R@(1) R7(1)
CP ADD@@ CP ADD@1 CP ADD@2 CP ADD@3 CP ADD@4 CP ADD@5 CP ADD@6 CP ADD@7

74LS374 E58
D1 D6 D@ D7 D2 D4 D3 D5 EN OC
R1(1) R6(1) R@(1) R7(1) R2(1) R4(1) R3(1) R5(1)
CP ADD@8 CP ADD@9 CP ADD1@ CP ADD11 CP EADD@ CP EADD1 CP EADD2 CP DATAF

74LS32 E128
74LS@@ E124
74LS32 E128
74LS@@ E124

CP ANYLX
CP LAS
CP DMAGNT
CP WSRCP

74LS@@ E91
74LS32 E109
74LS12G EC@
74LS32 E109
74LS32 E109
74LS@2 E125

IOC CPREQ
IOC CINTREQ
IOC C1
IOC C@

R98 4.7K
R4 4.7K (1)
R101 4.7K
R4 4.7K (1)

R4 4.7K (1) +5V
74LS12G EC@
74LS12G EC@

REVISION HISTORY		
DATE	ECO NUMBER	REV
Dsg 15415426-ML0004		A
S.DAngelo 27 OCT 83		
PETE SCANTLEBURY		
Dsg 15415426-ML0005		B
S.DAngelo 1-2-84		
PETE SCANTLEBURY		
Dsg 15415426-ML0008		C
S.DAngelo 11-9-84		
AL JOHNS		
RICHARD SHOLLER 12-10-84		
Dsg 15415426-ML009		D
S.DAngelo		
AL JOHNS		
Dave Harvey FEB 85		

DAD 102E

Kitty E. Burgess	4-Aug-82	TITLE: DECMATE 2 (CP)
P Scantlebury	17 AUG 82	
John Hall	04-AUG-82	
John Hall	04-AUG-82	
Bonnie Daniell	12-Aug-82	DOCUMENT NUMBER: D CS 5415426-0-2 D
B-DD-5415426-0		SHEET 1 OF 1

A

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DCS5415426-0-2 D

CP ADDII
+5V
TI RTC
PK DEV32 FLG
PK DEV33 FLG
CP DX00
CP DX01
CP DX02
CP DX03
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
CP READ
CP WRITE
CP LXDAR
CP IOCLR
G121 E96
INTREQ
SKIP
C0
C1
PRI
PRO
CM1 DEV30 FLG
+5V
CM2 MODEMCHG
+5V
IOC DEV14 FLG
6121 E95
IOC DEV30
IOC DEV31
IOC DEV36
IOC DEV75
C2 EFA
IOC DEV14
CP ADD Ø
CP ADD09
74LS138 E91
SEL A
SEL B
SEL C
D0
D1
D2
D3
D4
D5
D6
D7
IOC SEL
IOC XDR
IOC STR
IOC SER
IOC SDN
CP READ
IOC DEV32RD
IOC DEV33
CP ADD09
IOC 33WREN
CP IOCLR
CP DX11
RX2 DIN1
RX2 DIN0
TI RESET L
+5V
R111 4.7K
CRTC VINT
PK DEV05 FLG
PK DEV11 FLG
PK APTEN
CP DX00
CP DX01
CP DX02
CP DX03
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
CP READ
CP WRITE
CP LXDAR
CP IOCLR
6121 E97
PRI
PRO
+3V
CP DX05
IOC 12BIT
74LS74 E107
74LS125 E110
74LS04 E68
IOC DEV07
IOC DEV06
IOC DEV05
IOC DEV11
IOC DEV12
IOC CPREQ
IOC INTREQ
IOC SKIP
IOC C0
IOC C1
IOC RXINTENA
IOC LCD
IOC RXCLR
CP OUT
RX1 LDATA
RX1 8051WRT
RX1 HDATA
RX1 8051RD
74LS298 E53
74LS298 E73
74LS298 E71
WS CLK
CP DX00
RX1 AD3
CP DX01
RX1 AD2
CP DX02
RX1 AD1
CP DX03
RX1 AD0
CP DX04
RX1 AD7
CP DX05
RX1 AD6
CP DX06
RX1 AD5
CP DX07
RX1 AD4
CP DX08
RX1 AD3
CP DX09
RX1 AD2
CP DX10
RX1 AD1
CP DX11
RX1 AD0
RX2 DIN1
74LS244 E70
74LS244 E89
74LS244 E72
RX1 AD7
RX1 AD6
RX1 AD5
RX1 AD4
RX1 AD3
RX1 AD2
RX1 AD1
RX1 AD0

(IOC + RX SIMULATOR)

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE: DECMATE 2 (IOC)

DOCUMENT NUMBER: DCS5415426-0-2 D

SCALE

SHEET 2 OF 16

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+5V R7 1K
CP LXMAR
CP LXPAR
74 LS01 E103
7417 E64
+5V RG 348 1%
C1 150PF
+3VA
75107 E63
-5V
RM RAMDIS
7417 E64
+5V R9 348 1%
C3 220PF 1%
+3VA
75107 E47
-5V
+5V R10 348 1%
C4 68PF 1%
+5V
R11 1.4K 1%
R12 1.4K 1%
74S37 E65
MT RAS
MT ADDSEL
MT CAS
MT WP
TI CCLK1
+5V R8 750 1%
C2 220PF 1%
74 LS00 E66
74 S04 E61
74 LS32 E69
XT DERAS
74 LS126 E60
CP READ
CRTC INHWRT
XT DERAS
74 LS10 E122
74 LS74 E46
CP WRITE
CP DMAGNT
74LS174 E126
D0 D1 D2 D3 D4 D5 CLR CLK
R0(1) R1(1) R2(1) R3(1) R4(1) R5(1) CLK
MT TSC
74 LS02 E125
74 LS08 E123
CRTC CLKA
TI RESET L
CRYC\DMACYC L
74S32 E175
CRTC VLT
74S86 E151
N.C.
74LS375 E152
CP DX00
CP DX05
MT SBLANK
MT ICLK
MT ICLK1
74 LS04 E153
CMI MODEM LD
74 LS125 E111
RM SLOW
D1 IN751A
R13 240
-12V
-5V
C96 .047 UF

REVISION HISTORY		
DATE	ECO NUMBER	REV

(MEMORY TIMING)

TITLE DECMATE 2 (NT)

DOCUMENT NUMBER: DCS 5415426-0-2 REV D

SCALE — SHEET 3 OF 16

DCS5415426-0-2 D

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74LS257 E116
CP ADD00
CP ADD06
CP ADD02
CP ADD03
CP ADD04
CP ADD08
CP ADD07
CP ADD01
MT ADDSEL
A0 B0 A1 B1 A3 B3 A2 B2 S0 OUT CONT F0 F1 F3 F2

74LS257 E119
CP ADD05
CP ADD09
CP EADD1
CP ADD11
CP EADD0
CP EADD10
CP EADD2
CP LXMAR

MT RAS
MT CAS
MT WP
CP DX00
CP DX01
CP DX02
CP DX03
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11

4164 DOUT A0 A1 A2 A3 A4 A5 A6 A7 RAS CAS WE DIN
E79 E77 E80 E76
E81 E75 E88 E86
E84 E87 E83 E82
+5V

74LS367 E78
74LS367 E85
CP DX00 CP DX01 CP DX02 CP DX03 CP DX04 CP DX05
CP DX06 CP DX07 CP DX08 CP DX09 CP DX10 CP DX11

74 LS32 EG9
CP READ
MT RAS

REVISION HISTORY
DATE | ECO NUMBER | REV

TITLE DECMATE 2 (MA) (MEMORY ARRAY)
DOCUMENT NUMBER DCS5415426-0-2 REV D
SCALE SHEET 4 OF 16

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L8 — TI 80CLK

K11ØØA E59 22.886 MHZ

K11ØØA E24 15.741 MHZ

K11ØØA E25 16 MHZ

74S153 E41 — STBØ STB1 DA3 DA2 DA1 DAØ DB3 DB2 DB1 DBØ SI SØ FØ F1

R77 4.7K — +5V

XT8Ø/132

RM SLOW

CP LXDAR

R78 4.7K — 74LS00 E123

+3VA

TI DCLK

74S163 E42 — DØ D1 D2 D3 RØ(1) R1(1) R2(1) R3(1) CLR LD CLK CNT EN CRY EN CO

L7

74 LS04 E61

74 LS74 E43

74LS00 E44

74 HC74 E45

74 LS74 E46

7417 E64 — TI ECLK

74S74 E40 — TI CCLK1 — TI CCLK — +3V

TI CPUCLK

TI RXCLK

R107 4.7K — R105 4.7K — R106 4.7K — R108 4.7K — +5V

PS ACOK — R2C4 47 — D2 1N4454 — R15 100K — C5 22µF

PK ACOK — 74LS14 E145

TI RESET L — R83 4.7K

R2Ø1 1K

5Ø16T E121 — CP DX11 CP DX1Ø CP DX09 CP DX08

5Ø16T E178

74 LS126 E158 — R84 4.7K — R9Ø 4.7K — R89 4.7K — R91 4.7K

TI KBDCLK

74LS393 E164 — RA1 RA2 RA3 RA4 RB1 RB2 RB3 RB4 — R110 4.7K — TI RTC

K11ØØA 5.Ø688 MHZ E166 — R87 4.7K

74LS14 E117 — 74S04 E139 — 74S02 E118 — 74LS10 E122

IOC DEV33

CP ADD 09

CP ADD 10

CP ADD 11

CP WRITE

CM1 CBAUDLD

TI RESET H

TI PCLK

TI COMCLK

NOTES:

1. UNLESS OTHERWISE NOTED ALL RESISTORS ARE 1/4W 5%
2. 5Ø16T NON STD. PWR. AND GND. ARE GND-PIN 11, +5V PIN 2, +12V PIN 9.
3. K11ØØA'S ARE 14 PIN PACKAGE'S WITH PINS 1,7,8,14 ONLY

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE	DEC MATE 2 (T1) (CLOCK)	DOCUMENT NUMBER		REV
		DCS	5415426-0-2	D
SCALE		SHEET 5 OF 16		

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CP ADD01
CP ADD02
CP ADD03
CP ADD04
CP ADD05
CP ADD06
CP ADD07
CP ADD08
CP ADD09
CP ADD10
CP ADD11

2716 E113 * 23399E2

2716 E114 * 23400E2

2716 E115 * 23401E2

74LS244 E112
DA1 YA1 DB4 YB4 DA2 YA2 DB3 YB3 DA3 YA3 DB2 YA2 DA4 YA4 DB1 YB1 OC2 OC1

CP DX00
CP DX01
CP DX02
CP DX03
CP DX04
CP DX05
CP DX06
CP DX07

74LS257 E131
A0 B0 A3 B3 A1 B1 A2 B2 S0 F0 F3 F1 F2 OUT CONT

CP DX08
CP DX09
CP DX10
CP DX11

+5V
W4
W1
CP EADD0

CP ADD00
74 S04 E61

+3V
CP DX11
CP WSRCP
CP IFETCH
TI RESET L
D 74 LS74 E146
D 74 LS74 E146
D 74 LS74 E148
CP DX00
CP DATAF
74 LS08 E123
74 LS02 E118
74 LS02 E118
7417 E144
7417 E144
RM SLOW
RM RAMDIS
CP READ
74 LS32 E128

NOTE:
1. * 2716 REFERS TO GENERIC 2K X 8 READ ONLY DEVICE, ACTUAL CHIP MAY BE EPROM OR MASKED ROM REFER TO PATTERN SPECIFICATION.

REVISION HISTORY
DATE | ECO NUMBER | REV

(RON)
TITLE DECMATE 2 (RM)
DOCUMENT NUMBER: DCS 5415426-0-2 REV D
SCALE — SHEET 6 OF 16

DCS5415426-0-2 D

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CRTC CLKA
CRTC NOLAS
CRTC ULEN
CRTC LIN0
CRTC LIN1
CRTC LIN2
CRTC LIN3
CRTC HS
CRTC CBLANK
CRTC CSYNC
CRTC DMACYC
CRTC VLT
CRTC DMACYC L
CRTC VSYNC
CRTC CINH
CRTC ALTADD
CRTC INHWRT
CRTC DW
CRTC CURSOR
CRTC FBLINK
CRTC CURS
CRTC VINT
CG LDSR
MT TSC
MT SBLANK
CTRC DMACYC
TI CCLK
TI ECLK
TI DCLK
CG CBLANK1
CG CLRDW
XT CURMOD
CP READ
XT RDCRTC
CP WRITE
XT WRCRTC
XT ENADDR
XT LSCREG
TI RESET L
RX2 SYNC
CPTC DRB
CP EADD1
CP EADD2
CP ADD00
CP ADD01
CP ADD02
CP ADD03
CP ADD04
CP ADD05
CP ADD06
CP ADD07
CP ADD08
CP ADD09
CP ADD10
CP ADD11
CP DX00
CP DX01
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
+5V
+3V
+3A
R17 150
R106 47
R19 4.7K
R16 4.7K
R102 4.7K
C282 330 PF
9007 E149
74LS374 E132
74S05 E147
74LS393 E181
74LS374 E51
74S86 E151
74LS126 E117
74LS374 E162
74LS374 E165
74LS374 E148
74LS112 E135
74LS11 E136
74LS08 E155
74LS32 E134
74LS04 E153
74LS02 E150
74LS00 E154
74LS00 E180
74S04 E139

REVISION HISTORY		
DATE	ECO NUMBER	REV

(CRT CONTROLLER)

TITLE: DECMATE 2 (CRTC)

DOCUMENT NUMBER: DCS 5415426-0-2 REV D

SIZE D | CODE | SHEET 7 OF 16

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74LS137 E141
CP DX09 → SEL C
CP DX10 → SEL B
CP DX11 → SEL A
CP ANYLX, IOC DEV12 → (74 LS08 E161)
D0 D1 D2 D3 D4 D5 D6 D7
D4 → XT WRCRTC
D7 → XT RDCRTC

CP WRITE → (74 LS32 E142) → XT LSCREG
(74 LS32 E142) → XT CGWREN
(74 LS32 E142) → (74 LS32 E142) → XT CGWRT
CP EADD0 → (74 S04 E61) → (74 LS27 E62) → (74 S04 E61) → XT CGADDLD
(74 LS32 E142) → (7417 E144) → IOC CI
XT ENADD R
(74 LS08 E102) → (74 LS04 E173) → XT DISADD

74LS367 E140
CP DX00
CP DX01
CP DX02
CP DX03
CP DX04
CP DX05

74LS367 E138
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11

CRTC VLT
CRTC DMACYC
→ (74 LS10 E122) → (74 LS74 E120) → XT DERAS

+3V → (74 LS74 E120)

74LS273 E137
CP DX00
CP DX01
CP DX04
CP DX05
CP DX08
CP DX09
CP DX10
CP DX11
D3 D4 D0 D6 D1 D7 D2 D5
R3(1) R4(1) R0(1) R6(1) R1(1) R7(1) R2(1) R5(1)
CLK CLR
R0(1) → XT 80/132
R6(1) → XT DISENA
R1(1) → XT ECHRMOD
R7(1) → XT USCHRMOD
R2(1) → XT CURMOD
R5(1) → XT SCRNMOD

CRTC CURS → (74 LS08 E155) → (74 LS74 E120)
CRTC DMACYC, CRTC CBLANK → (74 LS08 E155)

CP WRITE → (74 LS32 E134)
TI RESET L
XT LD LOOPBACK

REVISION HISTORY		
DATE	ECO NUMBER	REV

8	7	6	5	4	3	2	1	TITLE	DECMATE 2 (XT)	
								DOCUMENT NUMBER	DCS5415426-0-2	REV D
								SCALE	SHEET 8 OF 16	

DCS5415426-0-2 D

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XT SCRNMOD
CRTC FBLINK
74S02 E163
74 LS08 E156
74 LS08 E156
CRTC ULEN
9006 E167 *
CP DX Ø0
CP DX Ø1
CP DX Ø2
CP DX Ø3
74 LS86 E159
74 LS86 E159
CRTC DRB
CRTC HS
CRTC CURSOR
XT ECEHRMOD
74 LS08 E156
9006 E168 *
CP DX Ø4
CP DX Ø5
CP DX Ø6
CP DX Ø7
CP DX Ø8
CP DX Ø9
CP DX 10
CP DX 11
CRTC VLT
8K X 8 ROM E173
23114E4
+5V
TI CCLK
CRTC LIN0
CRTC LIN1
CRTC LIN2
CRTC LIN3
XT USCHRMOD
74LS244 E170
OC1
74 LS00 E157
74LS374 E169
CP DX Ø1
CP DX Ø2
CP DX Ø3
CP DX Ø4
CP DX Ø5
CP DX Ø6
CP DX Ø7
CLK OC
XT CGADDLD
74LS374 E171
CP DX Ø8
CP DX Ø9
CP DX 10
CP DX 11
CLK OC
74 LS04 E179
74 LS08 E136
2708 E172
2K X 8 RAM
CE1 CE2 WP
CRTC CINH
74 LS00 E157
XT CGWRT
XT CGWR EN
74LS174 E177
CRTC CBLANK
CLK CLR
CG CBLANK1
74 LS04 E179
74S32 E175
74 LS04 E179
CG CLRDW
TI DCLK
74S32 E175
74 LS08 E182
74LS174 E160
CLK CLR
+3V
74LS166 E176
CLK INH
SI CLK CLR
74LS244 E174
CP DX Ø4
CP DX Ø5
CP DX Ø6
CP DX Ø7
CP DX Ø8
CP DX Ø9
CP DX 10
CP DX 11
OC1 OC2
7416 E161
74S02 E163
74 LS86 E159
R79 1K
R80 1K
7416 E161
7416 E161
7416 E161
XT DISENA
7416 E161
CRTC CSYNC
+12V
R94 300
R900 270
R20 75Ω
D99 IN751A +5V
R21 33
Q1 6531
R22 390
R23 75
L6
CG VIDEO
TI CCLK
CRTC DW
CRTC ALTADD
74 LS00 E154
74 S00 E180
CG LDSR

NOTES:
1. * PIN 13 +5V
PIN 24 GND

(CHARACTER GENERATOR)

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	DECMATE 2		
(CG)		DOCUMENT NUMBER	
SCALE		SIZE D	CS 5415426-0-2 REV D
		SHEET 9 OF 16	

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74LS161 E12
D0 D1 D2 D3 R0(1) R1(1) R2(1) R3(1)
CLR LD CLK CNTEN CRYEN CO
+3VA
RX1 CLK4
RX1 CLK2
RX1 CLK1
RX1 CLK0.5

8051 E27
TI RXCLK
+5V R81 1K
P3.3
RX2 WRTCNTL
+3VA +5V R97 1K
74LS74 E40
IOC LCD
IOC XDR
74LS01 E103
ALE
74LS02 E49
C1 RDY
TI RESETH
RX2 INT8051
P3.2
+5V R95 10K
RX3 8051INTR
+5V R96 10K
RX3 8051DRQ
RESET H
74LS04 E26
74LS00 E157
RX1 8051RD
74LS174 E30
74LS174 E16
R24 4.7K +5V
74LS139 E36
74LS00 E35
74LS00 E157
RX1 8051WRT
2114 E28
2114 E29
CS WE I/O1 I/O2 I/O3 I/O4
RX1 BAD0
RX1 BAD1
RX1 PC0
RX1 PC1
RX1 AD0
RX1 AD1
RX1 AD2
RX1 AD3
RX1 AD4
RX1 AD5
RX1 AD6
RX1 AD7
74LS138 E15
SELA SELB SELC D0 D1 D2 D3 D4 D5 D6 D7
RX1 LDATA
RX1 HDATA
RX1 CONTROL
RX1 STATUS
+3VA
74LS04 E26
74LS132 E6
RX1 1793CS
7417 E144
RX1 SIDE SEL
7417 E19
RX1 SEL 1 (B)
RX1 SEL 0 (B)
RX1 MOTOR PWR ON (B)
RX1 SEL 1 (A)
RX1 SEL 0 (A)
RX1 MOTOR PWR ON (A)
(DISK INTERFACE CTI)

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	DECMATE 2			
(RX1)	SIZE D	CODE CS	NUMBER 5415426-0-2	REV D
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RX1 STATUS
RX1 8051 READ
74 LS32 E32
+3VA
+5V
RN12 4.7K
CP DX11
IOC SEL
D 74 LS74 E54 C
7438 E9
74LS244 E55
RX1 AD0
RX1 AD1
RX1 AD2
RX1 AD3
RX1 AD4
RX1 AD5
RX1 AD6
RX1 AD7
+5V
R26 1K
RX2 INT 8051
74 LS04 E26
IOC RXCLR
RX2 WRT CNTL
IOC RXINTENA
IOC SDN
IOC SER
IOC STR
IOC 12 BIT
CP WRITE
+3V
RX1 AD1
D 74 LS74 E11 C
RX2 DIN1
RX2 DIN0
IOC LCD
RX1 CONTROL
RX1 8051 WPT
74 LS02 E49
DONE
D 74 LS74 E48 C
74 LS01 E103
IOC INTREQ
74 LS27 E67
7416 E68
CP SKIP
RX1 AD0
RX1 AD2
ERR
D 74 LS74 E50 C
RX1 AD3
+3VA
TR
D 74 LS74 E52 C
CP IFETCH
74 LS04 E26
RX2 SYNC

REVISION HISTORY		
DATE	ECO NUMBER	REV

(RX FLAGS)

TITLE: DECMATE 2 (RX2)

DOCUMENT NUMBER: SIZE D | CODE CS | NUMBER 5415426-0-2 | REV D

SCALE — | SHEET 11 OF 16

DCS5415426-0-2 D

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RX1 CLK
RX1 AD0
RX1 AD1
RX1 AD2
RX1 AD3
RX1 AD4
RX1 AD5
RX1 AD6
RX1 AD7
C1 RDY
C1 TK00
C1 INDEX
C1 WRTPRT
R32 10K
+5V
TI RESET L
RX1 8051RD
RX1 8051WRT
RX1 1793CS
RX1 BAD1
RX1 BAD0
-12V
+5V
1793 E31
RX3 8051INTR
RX3 8051 DRQ
C1 RXRD DATA
RX1 CLK0.5
74LS175 E14
74LS08 E18
23640A2 E13
RX1 PC1
RX1 PC0
RX1 CLK4
RX1 CLK2
R27 1K
+3VA
TI RXCLK
74LS74 E11
74LS221 E1
C6 100PF
R28 3.9K
7438 E9
RX3 WRTDATA
RX3 TG43
RX3 STEP
RX3 DIR
RX3 WG
7416 E17
7438 E9
R31 10K
R202 100
C200 150 PF
C201 150PF
74LS132 E6
74LS04 E26
74LS06 E18
74LS32 E3
74LS112 E4
R203 100
R29 6.49K 1%
C7, 220PF
R30 4.7K
C8 68PF
74LS221 E5
74LS74 E2
+12V
74LS32 E3
7417 E7
7416 E17
R35 10K
R37 10K
R39 15K 1%
R40 511 1%
R36 15K-1%
R38 511-1%
D4 IN4454
D5 IN4454
D6 IN4454
D7 IN4454
R42 1K-1%
R41 5.11K-1%
C15 .047
R43 5.11K 1%
C10 .01UF
R44 6.81K-1%
C11 390PF
C12 33PF
CA3130 E10
R47 1K
R48 1K 1%
R45 15K-1%
R46 15K-1%
D8 IN753A 6.2V
R49 1K 1%
R50 1.78K 1%
3906 E33
C3 470PF
R51 270
C14 .047
R52 681 1%
75107 E8
D21 IN4454
D10 IN5711
D11 IN5711
-5V
TI RESET11

REVISION HISTORY		
DATE	ECO NUMBER	REV

(DISK INTERFACE (R/W))
TITLE DECMATE 2 (RX3)
DOCUMENT NUMBER: SIZE D, TYPE CS, NUMBER 5415426-0-2, REV D
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DCS5415426-0-2 D

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DCS5415426-0-2 D

NOTES:
1. * NOT INSTALLED

6402 E98 UART
CP DX@4
CP DX@5
CP DX@6
CP DX@7
CP DX@8
CP DX@9
CP DX10
CP DX11
TI RESET H
IOC DEV32RD
IOC 33WREN
CP WRITE
TI PCLK
CRL
PI
CLS2
CLSI
EPE
SFD
SBS
SD
MR
RRD
DRR
TBRL
RCLK
TCLK
SI
FE
DR
TBRE
+5V
PK DEV32FLG
PK DEV33FLG

74LS32 E105
74LS125 E111
1488 E127
R53 4.7K
L1
C17 120PF
R54 1K
C19 120PF
J2
R206 1K
R82 100K
PK APTEN
C16 120PF
1489 E@4
C20 120PF
R56 27K
-12V
7417 E7
PK ACOK
L2
C18 120PF
C21 470PF
R55 27K
74LS125 E110

6402 E99 UART
XT LD LOOPBACK
74LS74 E165
+3V
R104 4.7K
R200 4.7K
74S@5 E147
CP DX@0
CP DX@1
CP DX@2
CP DX@3

IOC DEV11
CP READ
IOC DEV@5
CP WRITE
R53 4.7K
PK CLRA
PK CLRB
TI·KBDCLK

+12V
L3
C22 470PF
L4
C23 470PF
J3
RXI SYNC
CG VIDEO
74LS54 E54
74LS74 E51
PK DEV11FLG
PK DEV@5FLG
L5
C24 470PF
C25 470PF
R57 27K

(PRINTER AND KEYBOARD)

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: DECMATE 2 (PK)

DOCUMENT NUMBER: DCS5415426-0-2 REV D

SCALE: DRAWING NUMBER: DCS5415426-0-2 SHEET 13 OF 16

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+5V
R103 4.7K
CM1 DEV30 FLG
CM1 SD
+5V
R59 4.7K
R53 4.7 K (1) +5V
7201 E100 MPSCC
CP DX04
CP DX05
CP DX06
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
CM2 RD
RDA
RX1 CLK2
CLK
RD
CS
WR
RESET
C/D
B/A
GND VCC
TXCA RXCA
CP EADD0
CM2 TXCLK
CM2 RXCLK
74LS174 E37
CP DX04
CP DX07
CP DX08
CP DX09
CP DX10
CP DX11
CLK CLR
CM1 TT
CM1 RS
CM1 TR
CM1 SR
CM1 LLB
CM1 RLB
74 LS32 E108
CM1 MODEMLD
CP WRITE
1489 E104
74LS138 E106
CP ADD 11
CP ADD 10
CP ADD 9
IOC DEV36
+3V
(DEV3E)
74 LS32 E105
CM1 CBAUDLD
74 LS08 E18
TI RESET L
74 LS32 E108
7417 E144
IOC C1
74 LS32 E108
CM1 RDMS
CP READ
74 LS32 E108
74 LS11 E136
IOC DEV30
IOC DEV31
74 LS32 E143
74 LS08 E18
74 LS32 E143
+3V
CP DX00
74 LS574 E162
74 LS32 E143
74 LS32 E143
7417 E144

REVISION HISTORY		
DATE	ECO NUMBER	REV

(COMMUNICATIONS)
TITLE DECMATE 2 (CM1)
DOCUMENT NUMBER D CS 5415426-0-2 REV D
SCALE NONE SHEET 14 OF 16

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J1

(104) 3 RCV DATA — 12V — R60 27K — 2 — 1 — 26 LS32 E57 — 3 — CM2 RD
(114) 15 XMIT TIM — R60 27K — 3 — 15 — 26 LS32 E57 — 13 — CM2 TXCLK
(115) 17 RCV TIM — R60 27K — 4 — 7 — 26 LS32 E57 — 5 — CM2 RXCLK
(117) 25 ANAL LOOPBACK — R60 27K — 5 — 10 — 26 LS32 E57 — 11
(125) 22 RING — R60 27K — 6 — 2 — 26 LS32 E23 — 3
(109) 8 SIG DETECT — R60 27K — 7 — 6 — 26 LS32 E23 — 5
(107) 6 DATA SET RDY — R60 27K — 8 — 10 — 26 LS32 E23 — 11
(106) 5 CLR TO SEND — R60 27K — 9 — 14 — 26 LS32 E23 — 13

(4) (12)

TI COMCLK — 74 LS125 E133 — 3 — 1
MT ICLK — 74 LS125 E133 — 6 — 4
MT ICLK1 — 74 LS125 E133 — 8 — 10 — 11 — 13

R62 180 — C33 .47UF — R66 180 — 74 LS266 E22 — 3
R63 180 — C34 .47UF — R67 180 — 74 LS266 E22 — 4
R64 180 — C35 .47UF — R68 180 — 74 LS266 E22 — 10
R65 180 — C36 .47UF — R69 180 — 74 LS266 E22 — 11

74LS367 E38

6	7
12	11 CP DX07
2	3 CP DX08
4	5 CP DX09
10	9 CP DX10
14	13 CP DX11
1	15 CMI RDMS

+5V — R61 4.7K — CM2 MODEM CHG

D12 IN4005 — +12V — −12V
CMI SD — 9636 E39 — XMIT DATA — J1 2 (107)
W2 — R70 10K
TI COMCLK — 74 LS32 E32 — XMIT SIG ELEMENT TIM — J1 24 (113/116)
CMI TT — 9636 E39

D13 IN4005 — +12V
CMI SR — 9636 E21 — SIG RATE SEL — J1 23 (111)
R71 1M
CMI TR — 9636 E21 — DTR — J1 20 (108.2)

D14 IN4005 — +12V
CMI RS — 9636 E56 — RTS — J1 4 (105)
R72 1M — J1 7 (102)
CMI RLB — 9636 E56 — REMOTE LOOP — J1 21

D15 IN4005 — +12V
CMI LLB — 9636 E20 — ANALOG LOOP — J1 18 (141)
R73 1M
W3 — J1 1 (101)

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	DECMATE 2 (CM2) (COMMUNICATIONS)	
DOCUMENT NUMBER	DCS 5415426-0-2	REV D
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APU J8

- -12V
- +5V
- CP DX00
- CP DX01
- CP DX02
- CP DX03
- CP DX04
- CP DX05
- CP DX06
- CP DX07
- CP DX08
- CP DX09
- CP DX10
- CP DX11
- CP READ
- CP WRITE
- TI RESET L
- IOC DEV14
- IOC DEV14FLG
- IOC CI
- CP SKIP
- CP INTREQ
- CP I/O CLR
- TI RXCLK
- CP ADD09
- CP ADD10
- CP ADD11
- CP LXDAR

R99 4.7K → +5V
R100 4.7K

STORAGE ADAPTOR J9

- CP DX00
- CP DX01
- CP DX02
- CP DX03
- CP DX04
- CP DX05
- CP DX06
- CP DX07
- CP DX08
- CP DX09
- CP DX10
- CP DX11
- CP READ
- CP WRITE
- CP LXDAR
- TI CCLK
- IOC CI
- IOC C0
- TI RESET L
- +5V

GRAPHICS CONTROLLER J10

- CRTC CBLANK
- TI 80CLK
- CP OUT
- CP SKIP
- CP INTREQ
- IOC DEV75
- CP IFETCH
- CRTC SYNC

+5V R76 4.7K
+5V R75 4.7K
+5V R74 4.7K
+5V R53 4.7K

74S04 E139 — C2 EFA

74LS367 E102
- 5 CP DX10
- 11 CP DX09
- 7 CP DX08
- 9 CP DX00

74 LS126 E117
- CP LAS
- MT NOLAS

RX3 TG43 → 74IG E17

J6 (DRIVE PAIR B)

- RX3 WRTDATA
- RX3 WG
- RX3 STEP
- RX3 DIR
- RX3 SIDE SEL
- RX1 SEL 0 (B)
- RX1 SEL 1 (B)
- RX1 MOTOR PWR ON (B)

J7 (DRIVE PAIR A)

- RX1 SEL 0 (A)
- RX1 SEL 1 (A)
- RX1 MOTOR PWR ON(A)

+5V
R14 180 ×5
74 LS00 E44
- C1 RDY
- C1 WRTPRT
- C1 TK00
- C1 INDEX
- C1 RXRDDATA

POWER SUPPLY J5

- AC OK
- +5V
- +12V
- -12V

+5V R92 1K → +3VA
R93 1K → +3V

+5V
+12V
-12V

C14, C15, C37 THRU C41, C43 THRU C54, C56 THRU C63, C65 THRU C82, C84 C87 THRU C89 C94, C96, C97, C98 .047 UF

C102 .47UF

C86, C93, C100, C101 .047UF

C83, C85, C91, C95 .047UF

CONNECTORS

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