

FIELD MAINTENANCE PRINT SET

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AAV11-A PRINT SET
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D/A FOR 11/03
D/A FOR 11/03
4 CHANNEL DAC
4 CHANNEL DAC
4 CHANNEL DAC
SHIP LIST AAV11-A

AAV11-A

Digital Equipment Corporation

digital

D/A FOR 11/03

REV.

USED ON OPTION/MODEL

AAV11-A

DRN.	
------	--

DRN. R.W.
Carter

CHK'D

PROJ ENG

PROJ. ENG

156

FIELD SERV.

FILED COPY: 

DATE

1404-

[illegible]

DATE _____

2020

DATE

200

DATE

DATE _____

2021

SHEET I OF 1

FILED COPY:

V Garcia

DRB 124

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Print Set
Final Manuscript

Digital Equipment
Corporation

1970

10/1/70

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10/1/70

DRAWING DIRECTORY

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UNIT VARIATIONS

[illegible]

REVISIONS		CHANGE NO.		REV.
CHK	8	AAV11A-1	A	

USED ON OPTION/MODEL		DRN. RW	DATE	TITLE
AAV11-A		Counter	13 AUG 76	
		CHK'D.	DATE	D/A FOR 11/03
		M. K. Kean	20 AUG 76	
		PROJ. ENG.	DATE	SIZE CODE NUMBER REV
		G. K. Kean	20 AUG 76	
		PROD.	DATE	B DD AAV11-A A
		R. W. Kean	20 AUG 76	
SHEET 1 OF 2		DIST.		

DRB 106A

[illegible]

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



REWORK INSTRUCTION

WIRE ADDS

1. ADD WIRE FROM THE RIGHT LEAD OF L2 TO PTH. BELOW & TO THE RIGHT OF C54.

ECO #1

ETCH CUTS SIDE 2

1. TOP RIGHT OF R26
2. BETWEEN D3 & D4
3. SCRAPE ETCH AT POINT INDICATED TO GIVE .015 MIN. CLEARANCE

WIRE ADDS SIDE 1

- 1.4 FROM CATHODE D4 TO CATHODE D6

ECO #2

WIRE DELETES SIDE 1:

- 2-1. FROM D4 TO D6

ETCH CUTS SIDE 1:

- 2-2. AT FEEDTHRU BELOW E35-1
- 2-3. AT R42
- 2-4. AT R43
- 2-5. AT R44
- 2-6. BETWEEN E18-10 & W7
- 2-7. BETWEEN E18-11 & W8
- 2-8. BETWEEN E12-11 & W12

ETCH CUTS SIDE 2:

- 2-9. AT RIGHT LEAD OF R45
- 2-10. BETWEEN E6-8 & R45
- 2-11. BETWEEN E12-8 & R44
- 2-12. BETWEEN E18-8 & R43
- 2-13. BETWEEN W5 & FEEDTHRU ABOVE E30-23
- 2-14. BETWEEN W3 & FEEDTHRU ABOVE E30-22
- 2-15. BETWEEN W11 & FEEDTHRU ABOVE E12-21
- 2-16. BETWEEN W15 & FEEDTHRU ABOVE E6-17
- 2-17. BETWEEN W17 & E6-11
- 2-18. BETWEEN J1-LL & D10
- 2-19. BETWEEN J1-JJ & D12
- 2-20. BETWEEN J1-FF & D13
- 2-21. BETWEEN E30-8 & R42

COMPONENT DELETES SIDE 1:

- 2-22. F1
- 2-23. F2
- 2-24. F3
- 2-25. F4

COMPONENT ADDS SIDE 1:

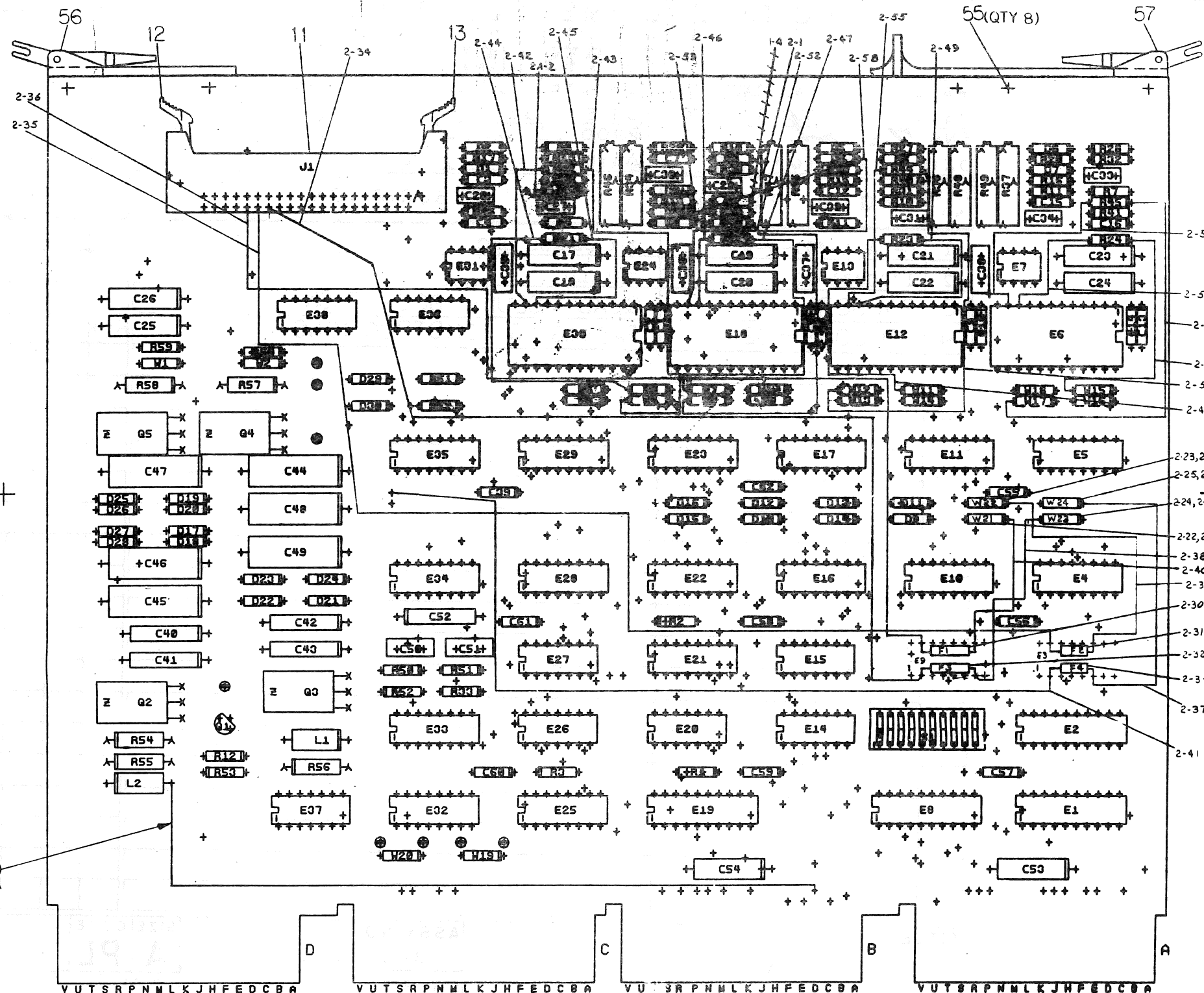
- 2-26. W21 AT PREVIOUS LOCATION OF F1
- 2-27. W22 AT PREVIOUS LOCATION OF F2
- 2-28. W23 AT PREVIOUS LOCATION OF F3
- 2-29. W24 AT PREVIOUS LOCATION OF F4
- 2-30. F1 BETWEEN PINS 10&15 AT E9 SPARE LOCATION
- 2-31. F2 BETWEEN PINS 11&15 AT E3 SPARE LOCATION
- 2-32. F3 BETWEEN PINS 2&7 AT E9 SPARE LOCATION
- 2-33. F4 BETWEEN PINS 2&6 AT E3 SPARE LOCATION

CONTINUED ON SHEET 4

NOTES: 1. SPARE COMPONENT LOCATION:

2. OPTIONAL JUMPERS: W4, W5, W6, W9, W12, W13, W16 & W17

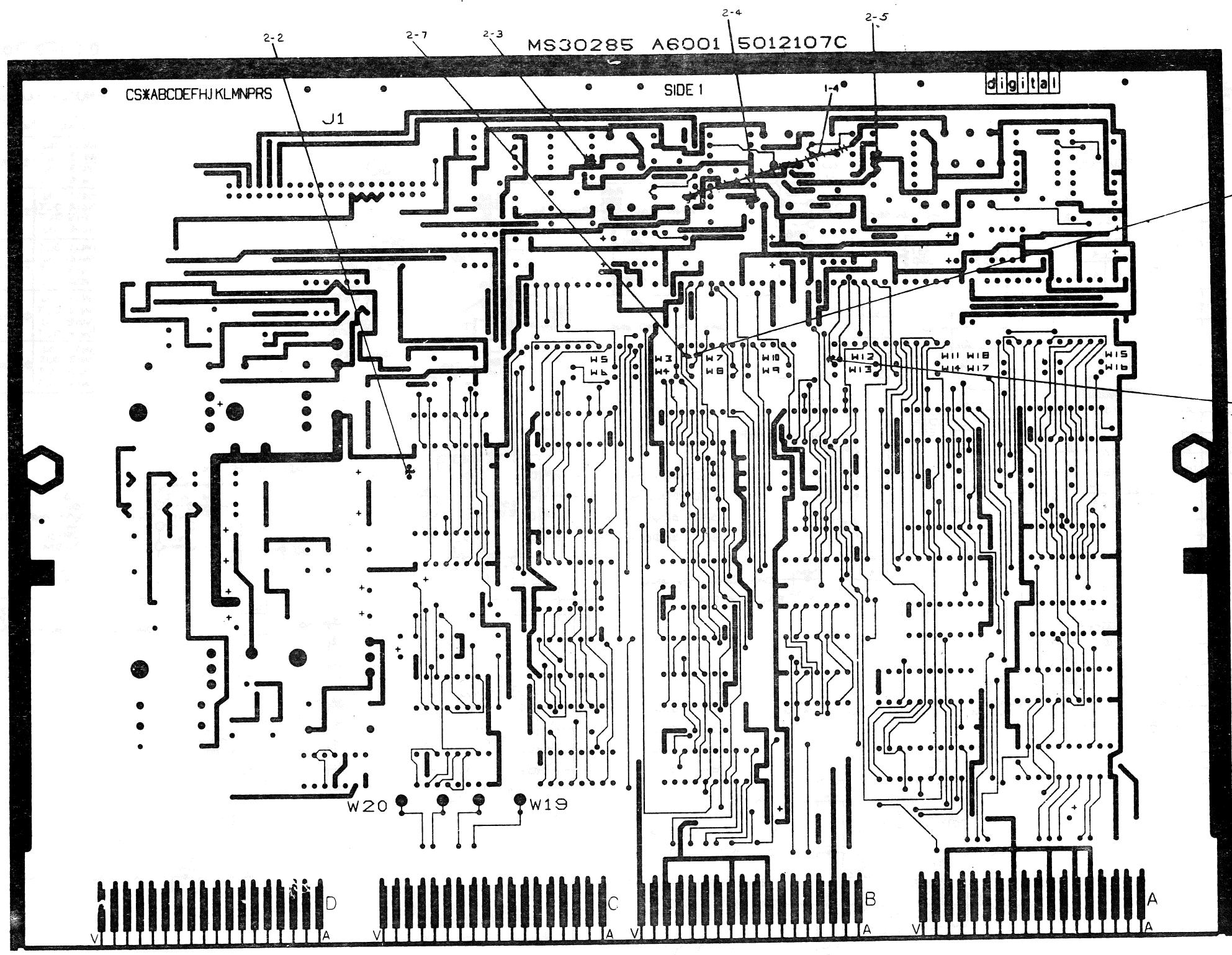
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ORIGINAL					
2/2	AS001-0001				
	AC FILZ				
	CC FILZ				
	EP AS001-2				
	AC FILZ				
	AC FILZ				



SIGNATURES	DATE
DRN. R W	11/11/76
CHK'D.	11/11/76
ENG.	11/11/76
PROJ. ENG.	11/11/76
PROD.	11/11/76
SCALE	2/1
BHT.	1 OF 4
NEXT HIGHER ASSY. B DD AG001-0	

TITLE	4 CHANNEL
D-A	
SIZE	CODE
0	UA AG001-0-0
NUMB	REV
0	1

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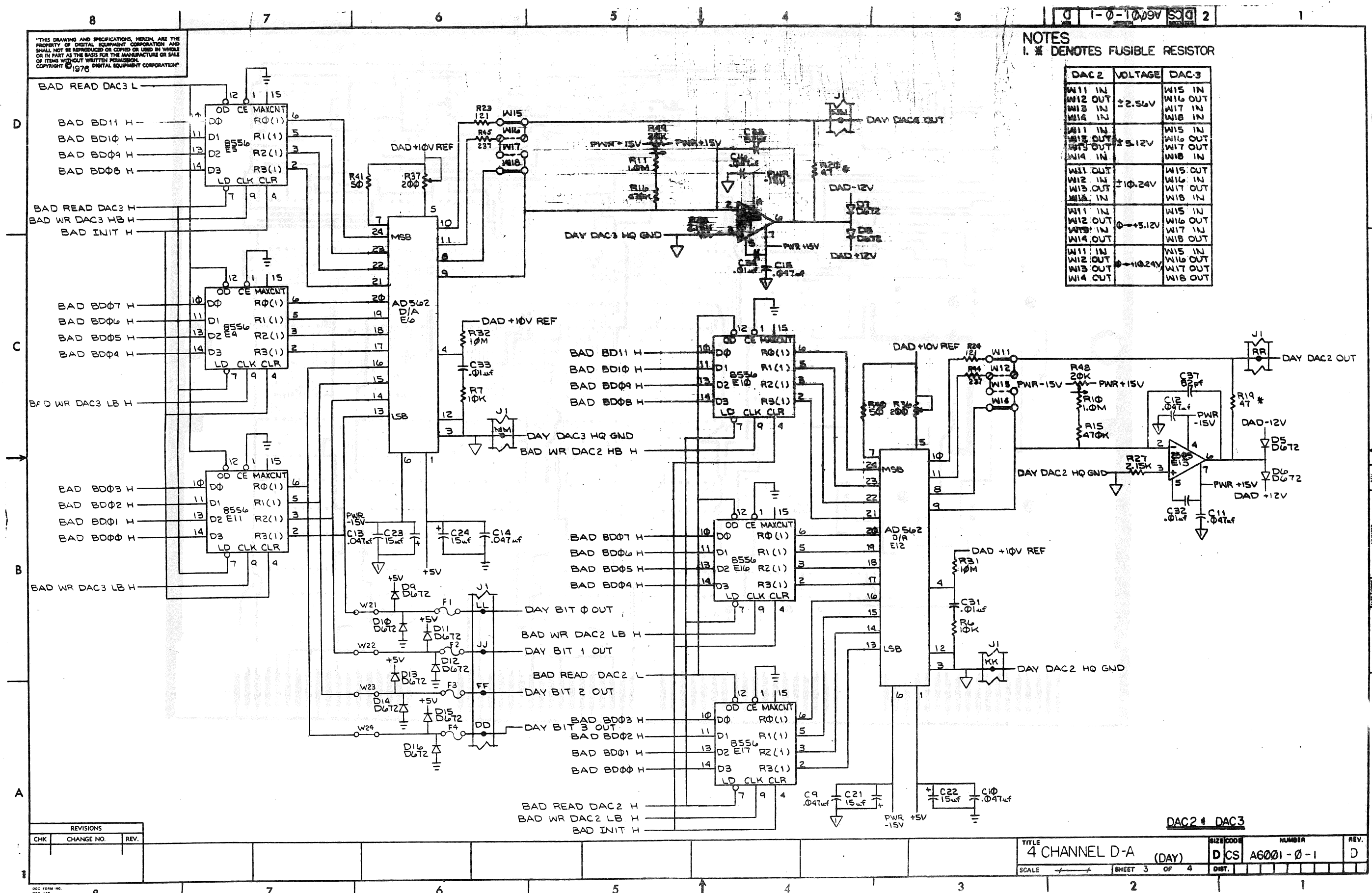


4 CHANNEL D-A

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NOTES
1. * DENOTES FUSIBLE RESISTOR

DAC 2	VOLTAGE	DAC 3
W11 IN		W15 IN
W12 OUT	±2.56V	W16 OUT
W13 IN		W17 IN
W14 IN		W18 IN
W11 IN		W15 IN
W12 OUT	±5.12V	W16 OUT
W13 OUT		W17 OUT
W14 IN		W18 IN
W11 OUT		W15 OUT
W12 IN	±10.24V	W16 IN
W13 OUT		W17 OUT
W14 IN		W18 IN
W11 IN	±5.12V	W15 IN
W12 OUT		W16 OUT
W13 IN		W17 IN
W14 OUT		W18 OUT
W11 IN	±10.24V	W15 IN
W12 OUT		W16 OUT
W13 OUT		W17 OUT
W14 OUT		W18 OUT



REV.	CHANGE NO.	CHK

TITLE	4 CHANNEL D-A (DAY)	SIZE CODE	NUMBER	REV.
SCALE	SHEET 3 OF 4	DIST.		

DAC2 & DAC3

PLA A6941-0-0

WIRE ADDS SIDE 1.

- 2-34. FROM J1-FF TO E9-2 SPARE LOCATION
- 2-35. FROM J1-JJ TO E3-15 SPARE LOCATION
- 2-36. FROM J1-LL TO E9-15 SPARE LOCATION
- 2-37. FROM W24 TO E3-6 SPARE LOCATION
- 2-38. FROM W23 TO E9-7 SPARE LOCATION
- 2-39. FROM W22 TO E3-11 SPARE LOCATION
- 2-40. FROM W21 TO E9-10 SPARE LOCATION
- 2-41. FROM FEEDTHRU BELOW E35-1 TO E3-2 SPARE LOCATION
- 2-42. FROM R42 TO E30-11
- 2-43. FROM R42 TO W4
- 2-44. FROM R21 TO W3
- 2-45. FROM R21 TO E30-10
- 2-46. FROM R22 TO E18-10
- 2-47. FROM R22 TO W7
- 2-48. FROM R23 TO W11
- 2-49. FROM R23 TO E12-10
- 2-50. FROM R24 TO W15
- 2-51. FROM R24 TO E6-10
- 2-52. FROM R43 TO W8
- 2-53. FROM R43 TO E18-11
- 2-54. FROM R44 TO W12
- 2-55. FROM R44 TO E12-11
- 2-56. FROM R45 TO W17
- 2-57. FROM R45 TO E6-11
- 2-58. FROM D4 TO D6

ETCH CUTS SIDE 2:
2A-1. AT R42 50 MIL ETCH FROM LEAD HOLE TO FEEDTHRU
WIRE ADDS SIDE 1:
2A-2. FROM R29 TO FEEDTHRU TO THE LEFT OF R29

~~S1 00000000~~
~~S2 00000000~~
 00000000

REVISIONS		
CHK	CHANGE NO	REV

TITLE 4 CHANNEL D-A		SIZE/CODE DUA	NUMBER A6001-0-0	REV. D
SCALE 1/1	SHEET 4 OF 4	DIST.		

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES: 1. SPARE COMPONENT LOCATIONS: R3, R4 R28, R31 THRU R34 2. OPTIONAL JUMPERS: W4, W5, W8 W9, W12, W13, W16, W17.	
PARTS LIST																	
MADE BY <i>R. W. Caunter</i>		CHECKED <i>[Signature]</i>		SECTION 1													
DATE <i>26 APR 76</i>		DATE <i>27 APR 76</i>															
ENG <i>[Signature]</i>		PROD <i>[Signature]</i>		ISSUED SECTION 1													
DATE <i>12 APR 76</i>		DATE <i>[Signature]</i>															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION	
1	D-MD-5012107-0-0	5012107	ETCH CIRCUIT BOARD	1													
2		1012784	CAP. .047mfd 50V	25											C1 THRU C16, C56 THRU C62, C39, C55		
3		1004812	CAP. 15uf 20V 10%	12											C17 THRU C26, C53, C54		
4		1001610-01	CAP. .01uf 100V 10%	8											C27 THRU C34		
5		1000015	CAP. 82pf 100V 5%	4											C35, C36, C37, C38		
6		1005335	CAP. 39uf 20V 10%	4											C40, C41, C42, C43		
7		1002433	CAP. 22uf 35V 20%	6											C44 THRU C49		
8		1001631	CAP. 390pf 100V 5%	2											C50, C51		
9		1105275	DIODE D672	28											D1 THRU D28		
10		1109502	DIODE 1N4742 12V	2											D29, D30		
11		1209941-02	CONNECTOR 40 PIN	1											J1		
12		1209941-03	LATCH (LEFT)	1													
13		1209941-04	LATCH (RIGHT)	1													
14		1211164-06	SWITCH PACK (10 POS)	1											S1		
15		1300479	RES. 10K 5% 1/4W	8											R2 THRU R7, R50, R51		
16		1309595	RES. 1.0M 5% 1/4W	4											R8, R9, R10, R11		
17		1300250	RES. 150 5% 1/4W	1											R12		
18		1302398	RES. 470K 5% 1/4W	4											R13, R14, R15, R16		
19		1310881-02	RES. 47 1% 1/4W FUSIBLE	4											R17, R18, R19, R20		
20		1311653	RES. 2.15K 1% 1/4W RN55D-F	4											R25, R26, R27, R28		
21		1302666	RES. 10M 5% 1/4W	4											R29, R30, R31, R32		
E.C.O. NO. 00001																	
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				4 CHANNEL D-A				D-UA-A6001-d-d				B PL		A6001-0-0		D	

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:					
PARTS LIST																					
MADE BY R.W. Candler		CHECKED <i>[Signature]</i>		SECTION 1																	
DATE 26 APR 76		DATE 27 APR 76		ISSUED SECTION 1																	
ENG G.C. [Signature]		PROD <i>[Signature]</i>																			
DATE 12 MAY 76		DATE 12 MAY 76																			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION				
22		1300365	RES. 1K 5% 1/4W	6													R33, R52, R53, R61, R62, R1				
23		1309143-05	RES. 200 10% 3/4W POT	4													R34, R35, R36, R37				
24		1300207	RES. 50 1% 1/4W	4													R38, R39, R40, R41				
25		1310607	RES. 422K 1% 1/4W	4													R42, R43, R44, R45				
26		1309143-11	RES. 20K 20% 3/4W POT	4													R46, R47, R48, R49				
27		1301874	RES. 5.6K 5% 1/4W	2													R50, R51				
28		1300315	RES. 470 5% 1/2W	2													R54, R55				
29		1301781	RES. 82 5% 1/2W	1													R56				
30		1309444	RES. 2.7 10% 1/2W	2													R57, R58				
31		1310881-00	RES. 1K 1% 1/4W FUSIBLE	2													R59, R60				
32		1503409	TRANS. DEC 6534D	1													Q1				
33		1510414	TRANS. D45C6	1													Q2				
34		1510171	TRANS. D44C3	3													Q3, Q4, Q5				
35		1603377	INDUCTOR .22UH 10%	2													L1, L2				
36		1912729	I.C. DEC DC004	1													E1				
37		1913040	I.C. DEC DC005	3													E2, E8, E19				
38		1912951	I.C. DEC 8556	12													E4, E5, E10, E11, E16, E17, E22, E23, E28, E29, E34, E35				
39		1912401	I.C. DEC AD562	4													E6, E12, E18, E30				
40		1911144	I.C. DEC 2505	4													E7, E13, E24, E31				
41		1911521	I.C. DEC 7432	2													E14, E26				
E.C.O. NO.																					
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				4 CHANNEL D-A				D-UA-A6001-0-0				B		PL		A6001-0-0				D	
								SHEET 2 OF 3				DIST.									

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

MADE BY R W Courter

DATE 26 APR 76

ENG O. C. Ford

DATE 12-MAY-76

CHECKED *M. A. Leary*

DATE 27 APR 76

PROD *29 W. 100 feet*

DATE 12 May 76

SECTION

1

ISSUED SECTION

1

QUANTITY / VARIATION

NOTES:

REF. DESIGNATION

[illegible]

E.C.O. NO.

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T
TITLE

4 CHANNEL D-A

ASSY NO.

D-UA-A6001-0-0

SHEET 3 OF 3

SIZE

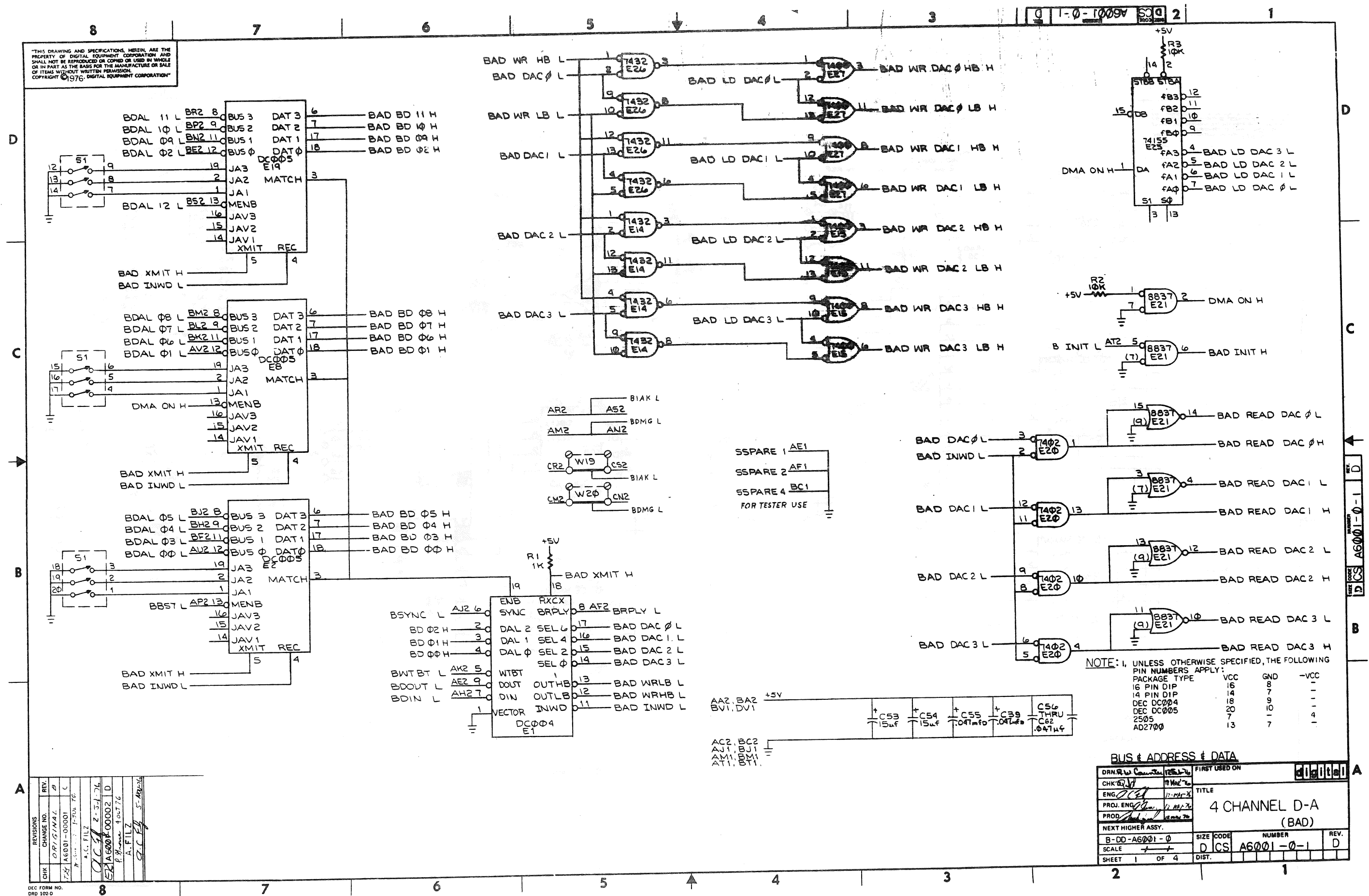
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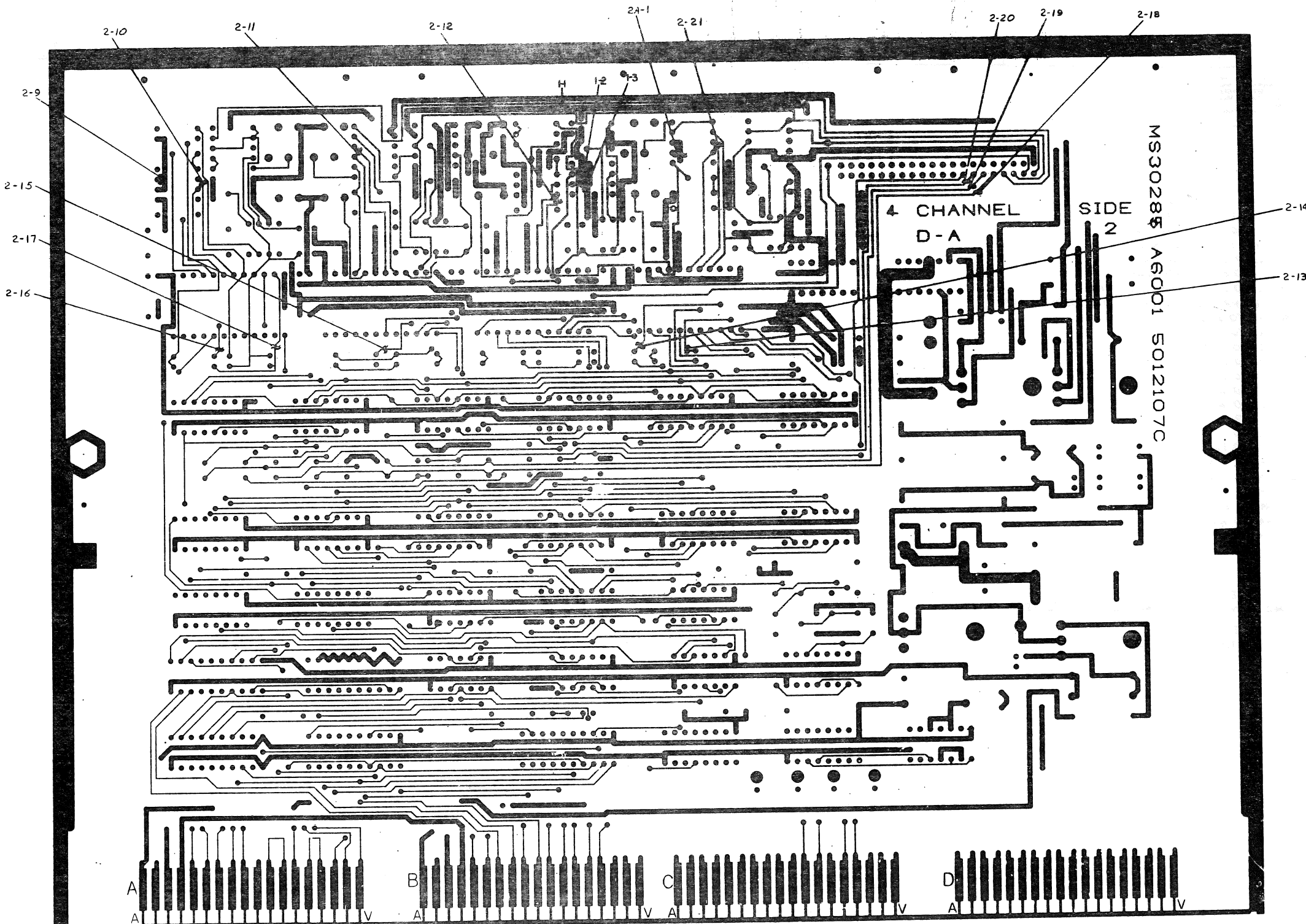
A6001-0-0

REV.

D



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TITLE 4 CHANNEL D-A				SIZE CODE D UA		NUMBER A6001-0-0				REV. D	
SCALE 2/1				SHEET 3 OF 4		DIST.					

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- WIRE ADDS SIDE 1:
- 2-34. FROM J1-FF TO E9-2 SPARE LOCATION
 - 2-35. FROM J1-JJ TO E3-15 SPARE LOCATION
 - 2-36. FROM J1-LL TO E9-15 SPARE LOCATION
 - 2-37. FROM W24 TO E3-6 SPARE LOCATION
 - 2-38. FROM W23 TO E9-7 SPARE LOCATION
 - 2-39. FROM W22 TO E3-11 SPARE LOCATION
 - 2-40. FROM W21 TO E9-10 SPARE LOCATION
 - 2-41. FROM FEEDTHRU BELOW E35-1 TO E3-2 SPARE LOCATION
 - 2-42. FROM R42 TO E30-11
 - 2-43. FROM R42 TO W4
 - 2-44. FROM R21 TO W3
 - 2-45. FROM R21 TO E30-10
 - 2-46. FROM R22 TO E18-10
 - 2-47. FROM R22 TO W7
 - 2-48. FROM R23 TO W11
 - 2-49. FROM R23 TO E12-10
 - 2-50. FROM R24 TO W15
 - 2-51. FROM R24 TO E6-10
 - 2-52. FROM R43 TO W8
 - 2-53. FROM R43 TO E18-11
 - 2-54. FROM R44 TO W12
 - 2-55. FROM R44 TO E12-11
 - 2-56. FROM R45 TO W17
 - 2-57. FROM R45 TO E6-11
 - 2-58. FROM D4 TO D6

- ECO #2A
- ETCH CUTS SIDE 2:
- 2A-1. AT R42 50 MIL ETCH FROM LEAD HOLE TO FEEDTHRU
- WIRE ADDS SIDE 1:
- 2A-2. FROM R29 TO FEEDTHRU TO THE LEFT OF R29

REVISIONS		
CHK	CHANGE NO.	REV

TITLE 4 CHANNEL D-A		SIZE CODE DUA	NUMBER A6001-0-0	REV. D
SCALE 1/1	SHEET 4	OF 4	DIST.	

