

NOTES:

D	CS	5411553-0-1	B
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[illegible]

FIRST USED ON OPTION MODEL
MJ11-A

ETCH BOARD REV										B	PARTS LIST									
DESIGNED <i>W. Wilson</i>										DATE	1/31/75		<div><div>digital</div><div>EQUIPMENT CORPORATION</div></div>		TITLE CIRCUIT SCHEMATIC- BACK PLANE ASSY. (MEMORY)					
CHK'D: <i>W. Ray</i>										DATE	2/4/75									
ENGR. <i>James R. H.</i>										DATE	2/6/75									
PROJ. ENG. <i>Anna G. H.</i>										DATE	2/6/75									
PROD. <i>R. Taylor</i>										DATE	2/4/75									
NEXT HIGHER ASSY																				
E-1A-7010A97-0-0																				
DEC NO.					EIA NO.					SIZE CODE		NUMBER		REV.						
										D CS		5411553-0-		F						
CONVERSION CHART										SCALE		1/1		DIST.						
SHEET										1		OF		4						

CHK	CHANGE NO.	REV
	5411553-00001	B
	Ray Vargard	4-18-75
I. NORTHROP		
Thomas A. [Signature] 4/22/75		

				ETCH BOARD REV		B
REVISIONS						
	DEC NO.	EIA NO.		DEC NO.	EIA NO.	

SEMICONDUCTOR CONVERSION CHART

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REV B 5411553-0-1 2

26

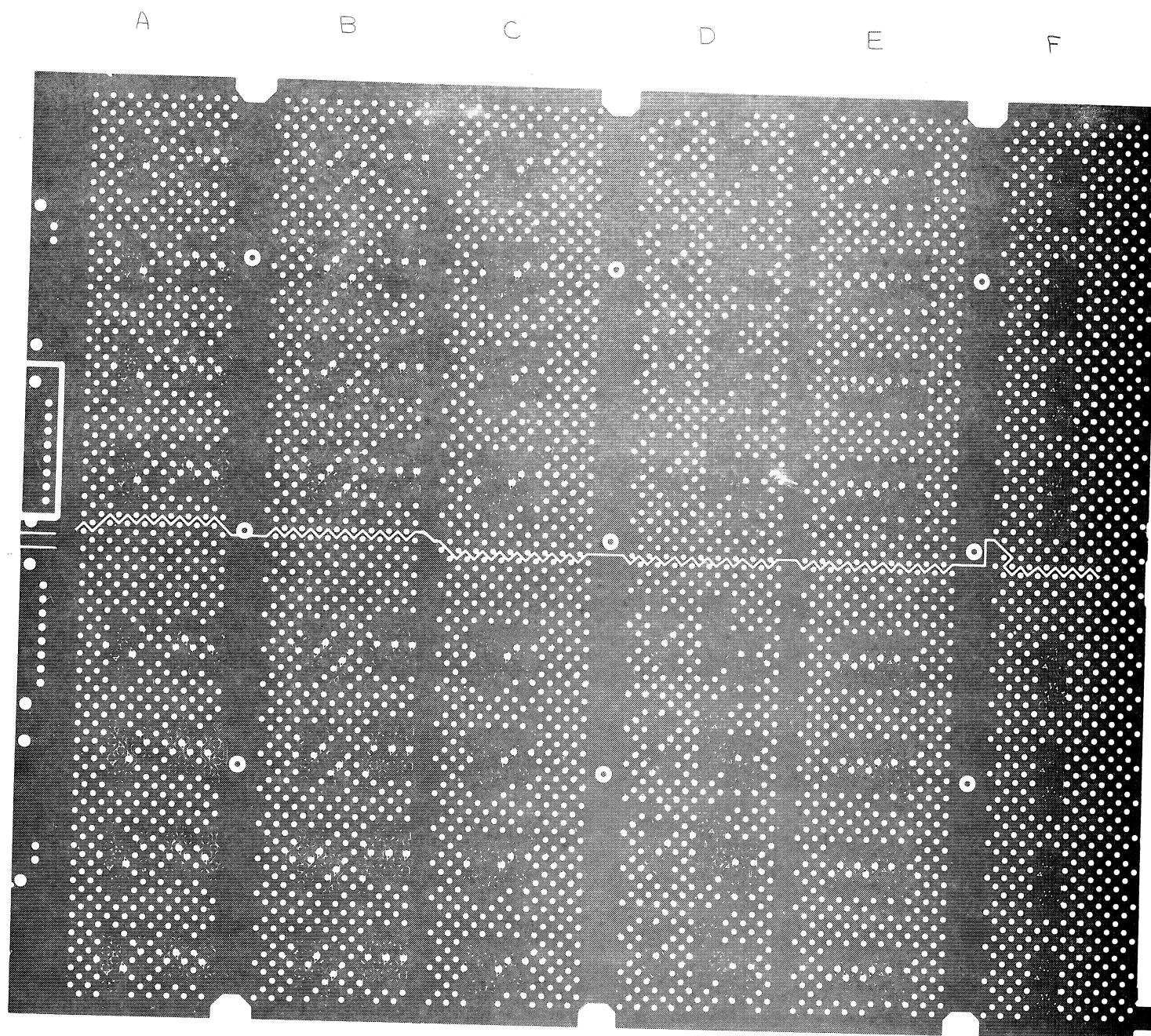
AØ1A1

(LAYER 3)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
CIRCUIT SCHEMATIC -		D	CS	5411553-0-1		B
BACK PLANE ASSY (MEMORY)		SHEET 2 OF 4		DIST.		

NOTES:



(LAYER 2)

A

IC TYPE	GND	+ 5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		

B

IC PIN LOCATIONS

[illegible]

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8 1-0-2991179 5411553-0-1 2

D

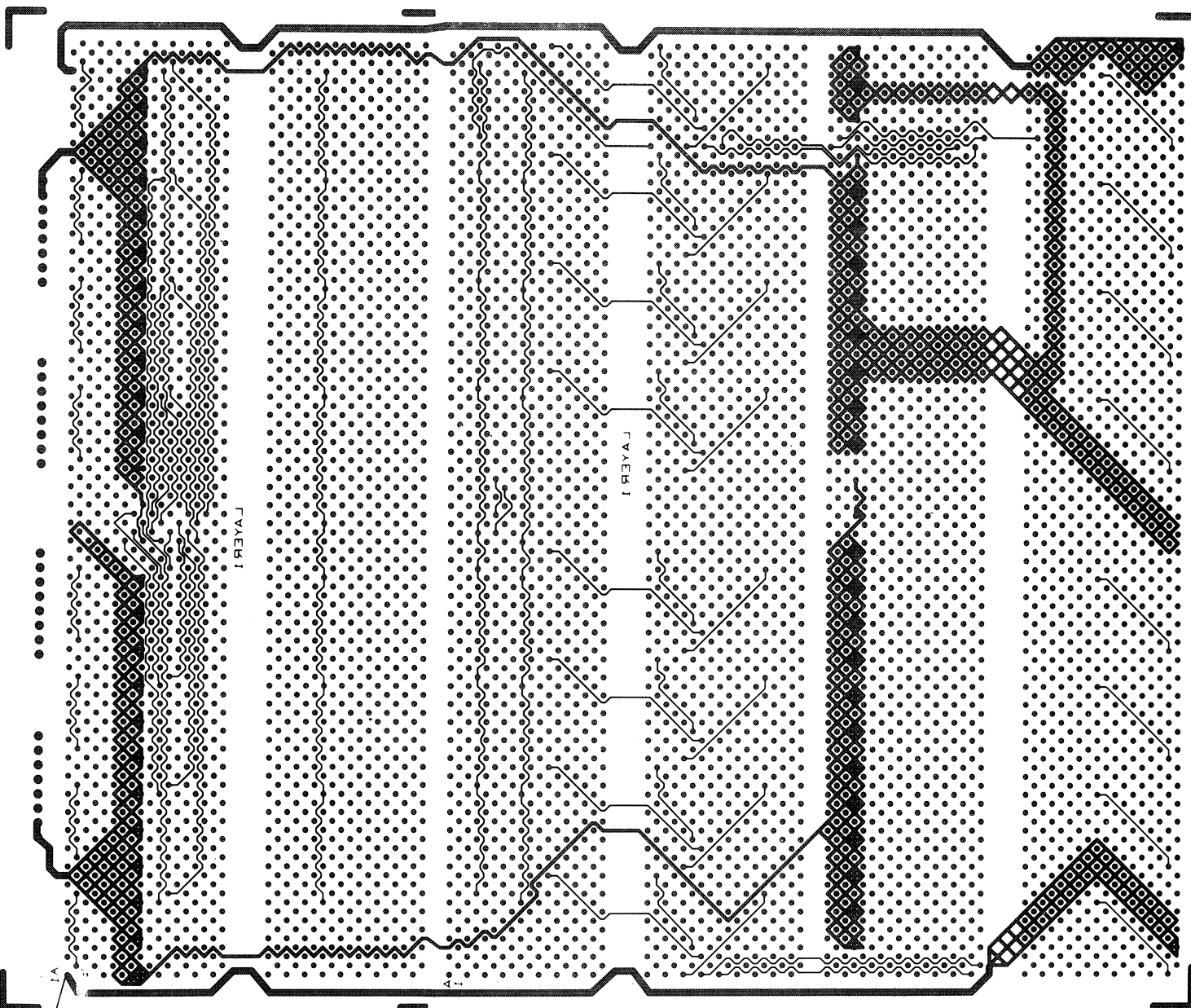
C

B

A

26

201123H



A01A1

(LAYER 1)

REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
CIRCUIT SCHEMATIC		D	CS 5411553-0-1	B
BACK PLANE ASSY(MEMORY)				
SCALE	1/1	SHEET	4 OF 4	DIST.

DEC FORM NO
ORD 137

8

7

6

5

4

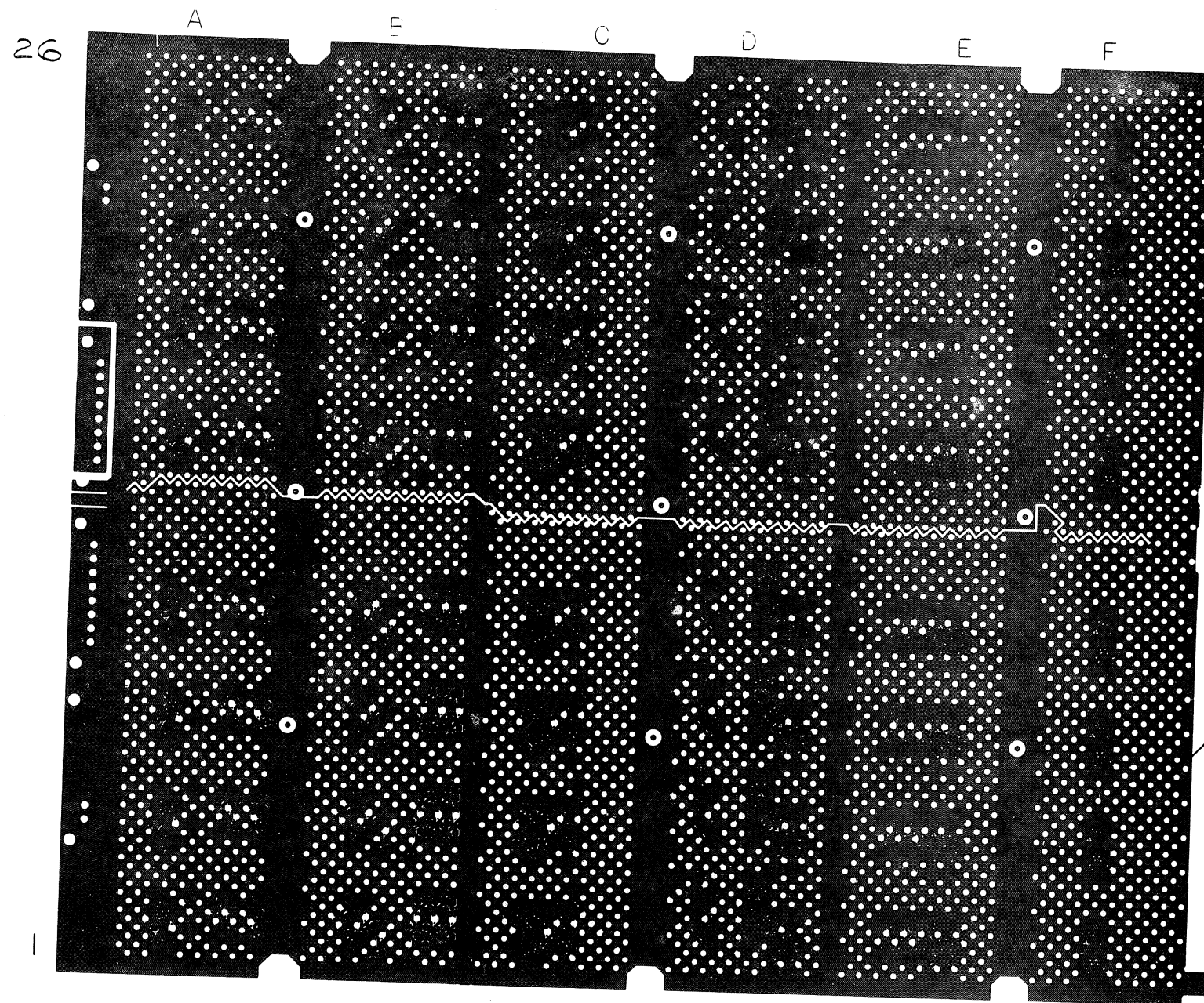
3

2

1

NOTES:

2	D	CS	5411581-0-1	A
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SIDE 2
(LAYER 2)

[illegible]

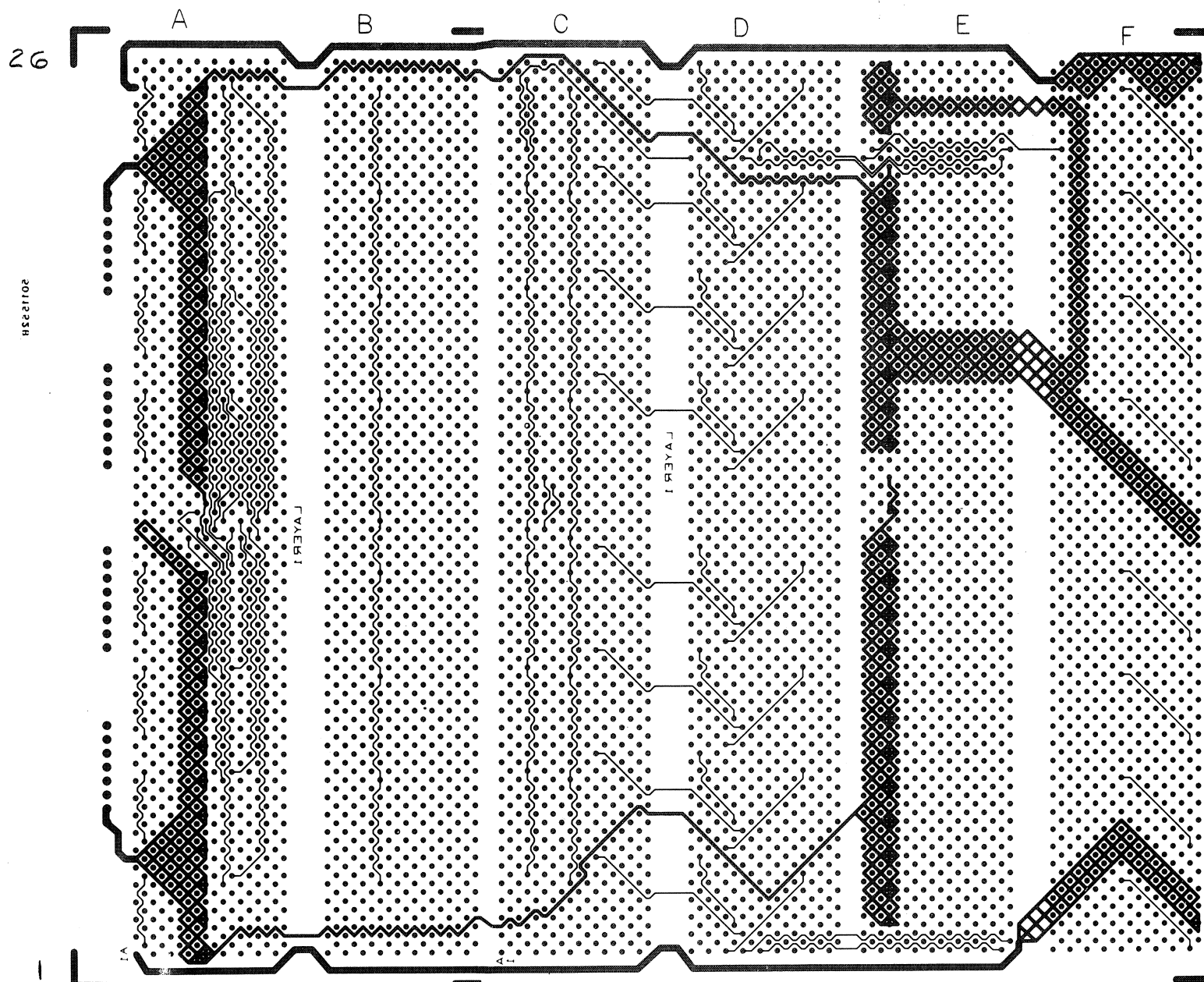
REF		AWT-ETCH LIST	K-WL-7010214-01	6
REF		AWT REV STATUS (EL-FAB)	A-WT-7010497-1	5
REF		MODULE ECO HISTORY	B-MH-5411581-0-6	4
REF		ASS'Y DRILL HOLE LAYOUT	D-AH-5411581-0-5	3
REF		X-Y COORD. HOLE LOC	K-CO-5411581-0-4	2
1		ETCH CIRCUIT BOARD	EIA-5011580-0-0	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

[illegible]

QTY		REF DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.		
FIRST USED ON OPTION MODEL				PARTS LIST						
ETCH BOARD REV		B								
CHK	CHANGE NO.	REV			DRN.		DATE		<div><div>digital</div><div>EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</div></div> <div>TITLE CIRCUIT SCHEMATIC BACKPLANE (MEMORY EL FAB)</div>	
					1-2-75					
			CHK'D		DATE					
			2/12/75		2/14/75					
			ENG.		DATE					
			2/5/75							
			PROJ. ENG.		DATE					
			2/3/75							
			PROD.		DATE					
			2/4/75							
NEXT HIGHER ASSY										
DEC NO.		EIA NO.		DEC NO.		EIA NO.		REV.		
SEMICONDUCTOR CONVERSION CHART					E-AD-7010214-1-0		SIZE CODE D/Cs		NUMBER 5411581-0-1	
					SCALE				A	
					SHEET 1 OF 2		DIST.			

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SIZE CODE NUMBER
DCS 5411581-0-1 2



SIDE 1
(LAYER 1)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER		REV.
CIRCUIT SCHEMATIC		DCS	5411581-0-1		A
BACKPLANE (MEM-EL FAB)					
SCALE	SHEET 2 OF 2	DIST.			

NOTES:

26

MJ-11 MEMORY BACKPLANE [SEC 1]

MJ-11 MEMORY BACKPLANE [SEC 2]

SIDE 2
(LAYER 4)

[illegible]

REF		AWT ETCH LIST	K-WL-7010214-0-1	6
REF		AWT REV STATUS (EL FAB)	A-WT-7010497-1	5
REF		MODULE ECO HISTORY	B-MH-5411583-0-6	4
REF		ASSY/DRILL HOLE LOCATION	D-AH-5411583-0-5	3
REF		X-Y COOR. HOLE LOCATION	K-CO-5411583-0-4	2
I		ETCH CIRCUIT BOARD	E-1A-5011582-0-0	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO

FIRST USED OR OPTION/MODEL		REF DESIGNATION		DESCRIPTION		PART NO		ITEM NO	
MULL-A		ETCH BOARD REV		PARTS LIST					
			B						
				DESIGNED BY <i>J. Phelan</i>	DATE <i>1/30/75</i>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">digital</div> EQUIPMENT CORPORATION 11111 CIRCUIT SCHEMATIC BACK PLANE (MEMORY-EL FAB)			
				CHECKED BY <i>B. Young</i>	DATE <i>2/4/75</i>				
				ENGINEERED BY <i>J. Phelan</i>	DATE <i>2/4/75</i>				
				PROD. ENG. <i>B. Young</i>	DATE <i>2/4/75</i>				
				PROD. <i>J. Taylor</i>	DATE <i>2/4/75</i>				
DEC NO.		EIA NO.		NEXT HIGHER ASSY		SIZE CODE		NUMBER	
				E-AD-7010214-1-0		D		CS 5411533-0-1	
SEMICONDUCTOR CONVERSION CHART				SCALE 1/1		REV.			
				SHEET 1 OF 2		DIST		A	

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SIZE CODE NUMBER 1-0-385117960 2

26

AØ1A1

SIDE 1
(LAYER 3)

REVISIONS		
CHK	CHANGE NO	REV.

TITLE		SIZE CODE	NUMBER	REV.
CIRCUIT SCHEMATIC		D	CS 5411583-0-1	A
BACK PLANE (MEMORY-EL FAB)		DIST.		
SCALE 1/1		SHEET 2 OF 2		

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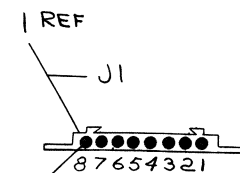
DO NOT REDUCE

SCALE
6 IN

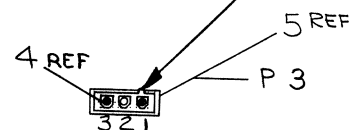
FOR MANUFACTURING PURPOSES ONLY

NOTES:

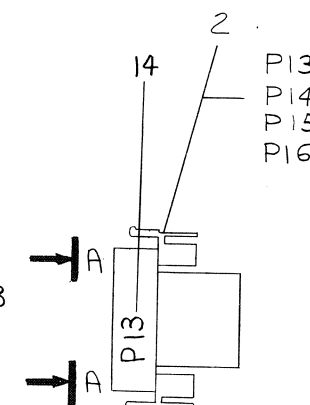
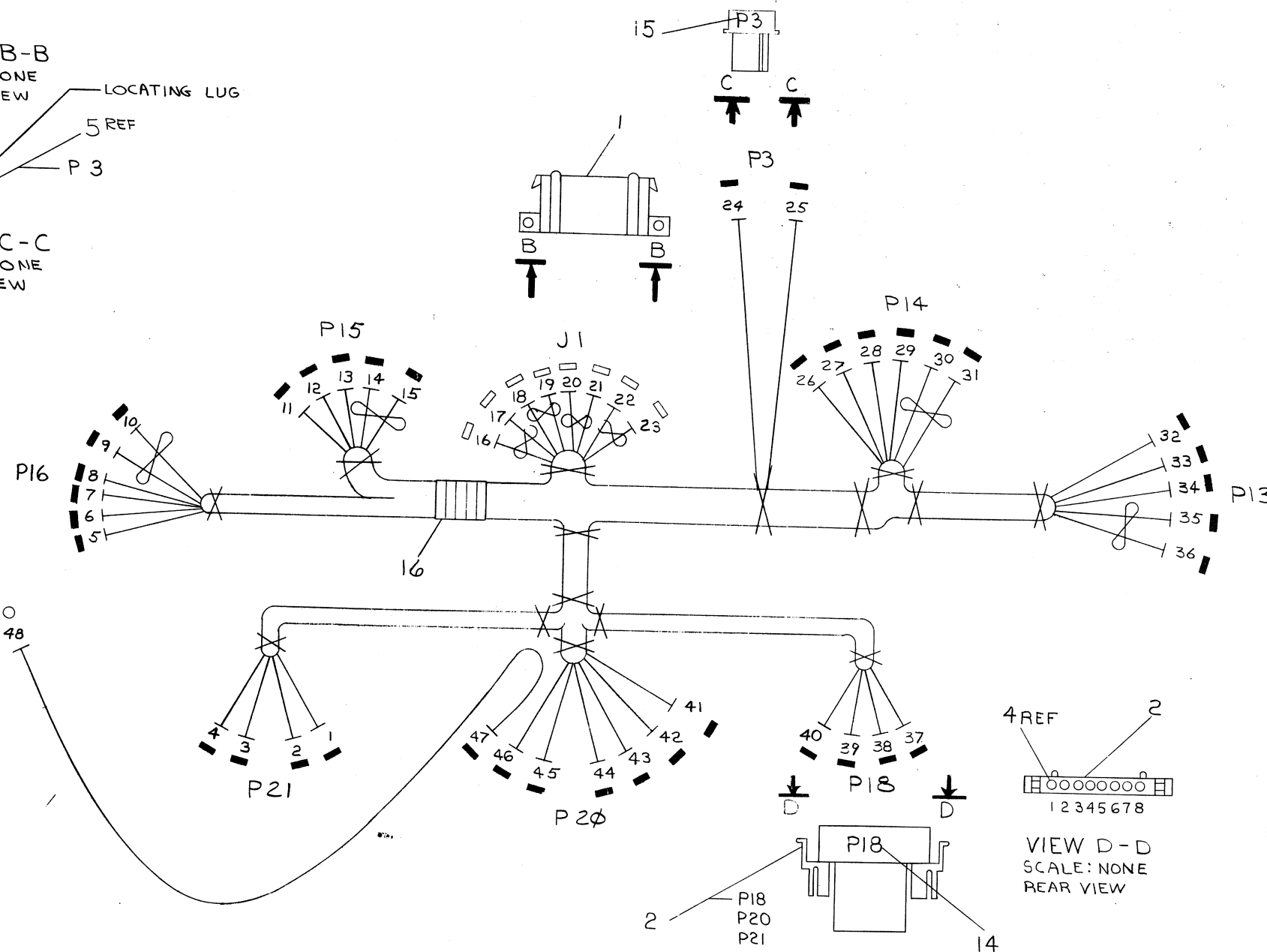
- USE TIE, CABLE (X) (ITEM #13) APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.



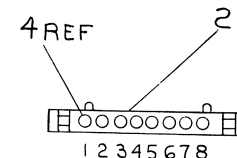
VIEW B-B
SCALE: NONE
REAR VIEW



VIEW C-C
SCALE: NONE
REAR VIEW



VIEW A-A
SCALE: NONE
REAR VIEW



VIEW D-D
SCALE: NONE
REAR VIEW

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	SERIAL TAG	9009532-00	16
A/R	PWR HARN. DECALS (J)	A-DC-7409873-0-0	15
A/R	PWR HARN. DECALS (P)	A-DC-7409872-0-0	14
A/R	TIE, CABLE	9007880	13
A/R	WIRE #14 AWG, TWP RED/WHT	9107440-29	12
A/R	WIRE #14 STRD, INS, BLK	9107370-00	11
A/R	WIRE #14 STRD, INS, RED	9107370-22	10
A/R	WIRE #14 STRD, INS, ORN	9107370-33	9
A/R	WIRE #14 STRD, INS, BRN	9107370-11	8
A/R	WIRE #18 STRD, INS, BLK	9107360-00	7
1	TERMINAL #10 HOLE	9007930-00	6
1	CONN, MALE 3 PINS	1209351-03	5
39	TERMINAL (MALE)	1209378-01	4
8	TERMINAL (FEMALE)	1209379-01	3
7	CONN, MALE 8 PINS	1209340-01	2
1	CONN, FEMALE 8 PINS	1209340-00	1

FIRST USED ON OPTION/MODEL		MJI1-A	
DIMENSIONAL TOLERANCE		DRN. K. Davis DATE 12-4-74	
DIMENSIONS ARE INCHES UNLESS OTHERWISE SPECIFIED		CHK'D. DATE	
MILLIMETERS		ENG. DATE 1/5/75	
XXX ±0.10	XXX ±.005	PROJ. ENG. DATE 2/5/75	
XX ±0.5	XX ±.02	PROD. DATE	
X ±2.	X ±.1	NEXT HIGHER ASSY.	
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	TITLE PWR. HARNESS (MJI1-A)	
MATERIAL SEE PARTS LIST	FINISH	SIZE CODE NUMBER REV. DUA-MJI1-A-0 1/1 7010580-C-0 A	
SCALE 1/1		SHEET 1 OF 2	

REV.	CHANGE NO.	DATE
1	7010580-00001	A
2	7010580-00002	4/2/75
3	7010580-00003	9/10/75

DEC FORM NO. 8

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WIRE TABLE

ITEM NO	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION	WITH
10	14	RED	1	P21-8	4	5	P16-2	4
10	↑	RED	2	P21-7	↑	8	P16-5	↑
9	↑	ORN	3	P21-4	↑	13	P15-5	↑
8	↑	BRN	4	P21-1	↑	12	P15-3	↑
11	↑	BLK	6	P16-3	↑	43	P20-6	↑
11	↑	BLK	7	P16-4	↑	41	P20-8	4
12	↑	RED	9	P16-6	↑	16	J1-8	3
TWP	↑	WHT	10	P16-7	↑	17	J1-7	3
11	↑	BLK	11	P15-2	↑	42	P20-7	4
12	↑	RED	14	P15-7	↑	18	J1-6	3
TWP	↑	WHT	15	P15-8	4	19	J1-5	3
12	↑	RED	20	J1-4	3	30	P14-6	4
TWP	↑	WHT	21	J1-3	3	31	P14-7	↑
12	↑	RED	22	J1-2	3	35	P13-7	↑
TWP	14	WHT	23	J1-1	3	36	P13-8	↑
7	18	BLK	24	P3-3	4	25	P3-1	↑
10	14	RED	26	P14-2	↑	39	P18-2	↑
11	↑	BLK	27	P14-3	↑	44	P20-5	↑
11	↑	BLK	28	P14-4	↑	45	P20-4	↑
10	↑	RED	29	P14-5	↑	40	P18-1	↑
11	↑	BLK	32	P13-2	↑	46	P20-3	↑
8	↑	BRN	33	P13-3	↑	37	P18-8	↑
9	14	ORN	34	P13-5	↑	38	P18-5	4
7	18	BLK	47	P20-2	4	48	—	6

REVISIONS

CHK	CHANGE NO.	REV.
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TITLE PWR. HARNESS
(MJ11-A)

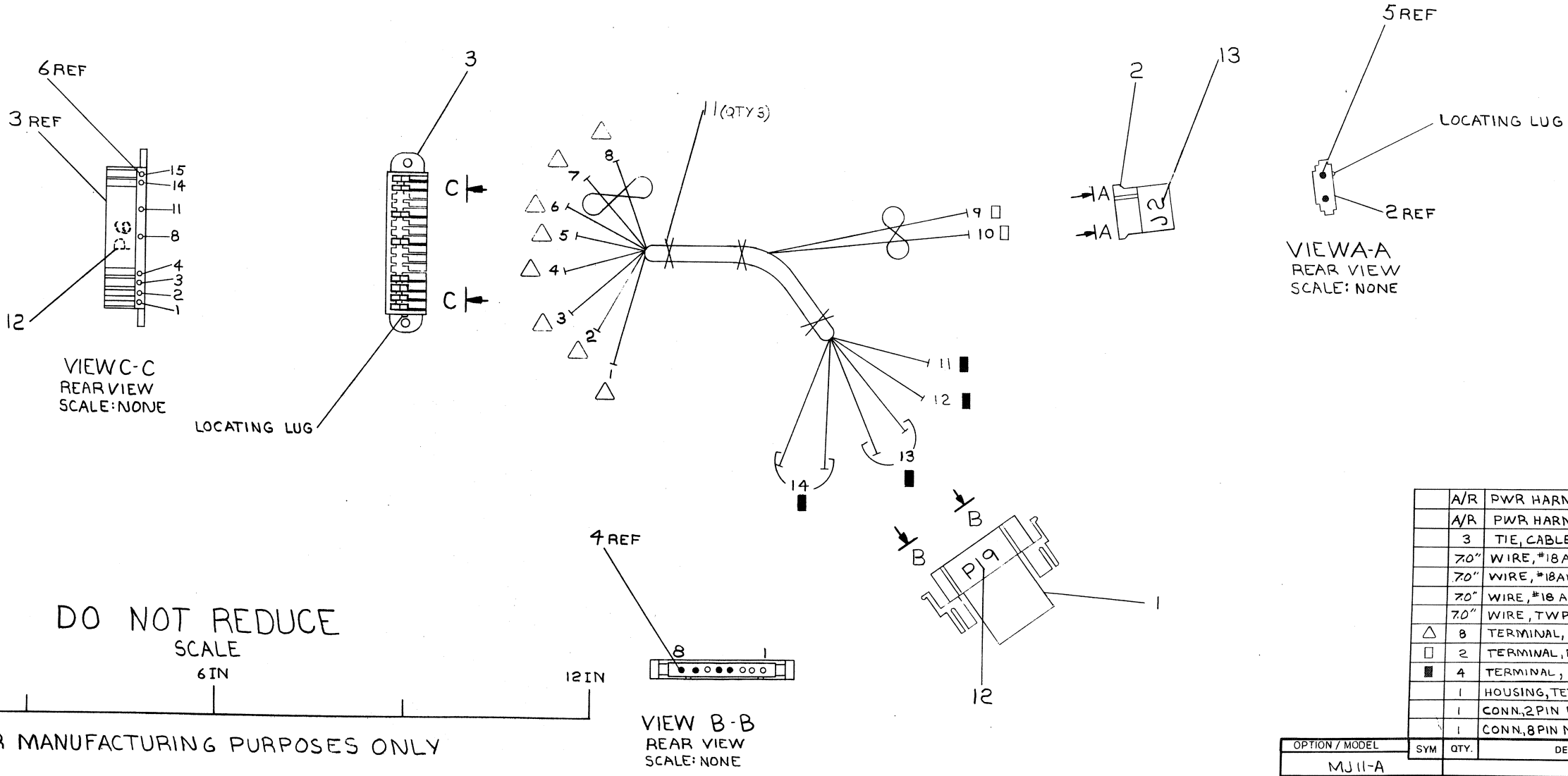
SIZE CODE	NUMBER	REV.
DIA	7010580-0-0	A

SCALE 1/1 SHEET 2 OF 2

DIST. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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DIGITAL EQUIP CORP

WIRE TABLE									
ITEM		DESCRIPTION		FROM			TO		
NO	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	
10	18	VIO	1	P 6-1	6	13	P19-7	4	
10		VIO	2	P 6-2					
9		YEL	3	P 6-3					
9		YEL	5	P 6-8		14	P19-8		
8		BLK	4	P 6-4		12	P19-5		
8		BLK	6	P 6-11		11	P19-4		
7		WHT	7	P 6-14		10	J2-1		
TWP	18	RED	8	P 6-15	6	9	J2-2		



A/R	PWR HARN. DECAL (J)	A-DC-7409873-00	13
A/R	PWR HARN. DECAL (P)	A-DC-7409872-00	12
3	TIE, CABLE	9007880	11
70"	WIRE, #18 AWG, VIOLET	9107360-77	10
70"	WIRE, #18 AWG, YEL	9107360-44	9
70"	WIRE, #18 AWG, BLK	9107360-00	8
70"	WIRE, TWP #18 AWG, RED/WHT	9107430-29	7
△	8 TERMINAL, RIGHT ANGLE	1210381	6
□	2 TERMINAL, FEMALE	1209379-01	5
■	4 TERMINAL, MALE	1209378-01	4
1	HOUSING, TERMINAL	1210380-07	3
1	CONN, 2 PIN FEMALE	1210821-2	2
1	CONN, 8 PIN MALE	1209340-01	1

OPTION / MODEL	SYM	QTY.	DESCRIPTION	PART NO.	ITEM NO.
MJ11-A					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>[Signature]</i> CHK'D. <i>[Signature]</i> ENG. <i>[Signature]</i> PROJ. ENG. <i>[Signature]</i> PROD. <i>[Signature]</i>	DATE 11/14/79 DATE 4/5/75 DATE 2/5/75 DATE	PARTS LIST	
DECIMALS XXX = .005 XX = .02 X = .1		ANGLES ± 0° 30'		TITLE WIRE HARNESS A.C./D.C. LOW (MJ11-A)	
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓		NEXT HIGHER ASSY.		SIZE CODE D IA 7010581-0-0	
MATERIAL		SEE PARTS LIST		NUMBER 7010581-0-0	
FINISH		SCALE 1/1		REV.	
		SHEET 1 OF 1		DIST.	

BRUNING 40-107 15968
DEC FORM NO
DRD 100-A