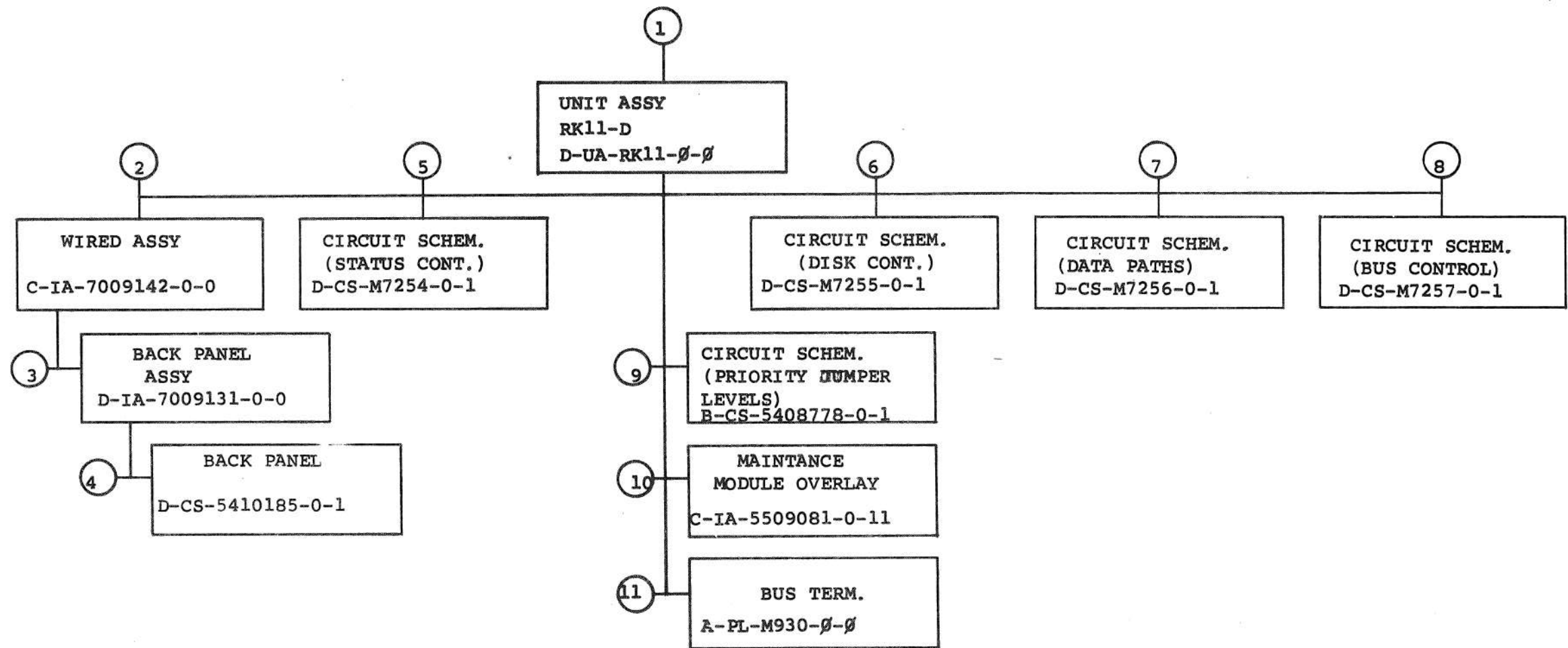


RK11-D *R. Tinga*
23786
disk drive controller
engineering drawings

digital equipment corporation • maynard, massachusetts



TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
DISK CONTROL	2	4	B	DD	RK11-D	J

CUSTOMER PRINT SET						ELECTRICAL						CUSTOMER PRINT SET						ELECTRICAL					
1	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	1	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE								
X		1	D-UA-RK11-0-0	B	1	UNIT ASSY (RK11-D)		X		8	D-CS-M7257-0-1	#	6	CIRCUIT SCHEMATIC (BUS CONT.)									
X			D-MU-RK11-D-1	*	1	MODULE UTILIZATION (RK11-D)					K-CO-M7257-0-4		1	X-Y COORDINATE HOLE LOCATION									
X			A-PL-RK11-D-1	*	1	MODULE UTILIZATION (RK11-D) PL					D-AH-M7257-0-5		1	ASSY DRILLING HOLE LOCATION									
			D-IA-7008992-0-0	#	1	POWER HARNESS (REF)					B-MH-M7257-0-6		1	MODULE ECO HISTORY									
X			D-IC-RK11-D-3	C	4	BACK PANEL INTERCONNECTION																	
X			D-IA-7009559-0-0	#	1	OPTION HARNESS																	
X		2	C-IA-7009142-0-0	A	1	WIRED ASSY (RK11-D)				9	B-CS-5408778-0-1		1	CIRCUIT SCHEMATIC (PRIORITY JUMPER LEVELS)									
			C-IA-7009378-0-0		1	GROUND CABLE (RK11-D)					C-IA-5408778-0-0		1	PRIORITY JUMPER LEVEL #5									
											D-IA-5008777-0-0		1	ETCH BOARD									
		3	D-IA-7009131-0-0		1	BACK PANEL		X		10	A-SS-5509081-0-11	#		MAINTENANCE MODULE OVERLAY (RK11D)									
											C-IA-5509081-0-0			MAINTENANCE MODULE OVERLAY									
X		4	D-CS-5410185-0-1	#	1	CIRCUIT SCHEMATIC (BACKPANEL)		X			D-OC-RK05-0-15	#		RK05 OPTION CONFIGURATION (REF)									
			K-CO-5410185-0-4		1	X-Y COORDINATE HOLE LOCATION																	
			E-AH-5410185-0-5		1	ASSY DRILLING HOLE LOCATION																	
			B-MH-5410185-0-6		1	MODULE ECO HISTORY																	
C			K-WL-RK11-D-2	E	1	ETCH/WIRE LIST (RK11-D)		X		11	A-PL-M030-0-0	#		BUS TERMINATOR									
X		5	D-CS-M7254-0-1	#	6	CIRCUIT SCHEMATIC (STATUS CONT)				12	A-SP-RK11-D-4	A	18	RK11-D ENGINEERING SPECS									
			K-CO-M7254-0-4		1	X-Y COORDINATE HOLE LOCATION					A-SP-RK11-D-5		4	RK11-D CHECK OUT PROCEDURE									
			D-AH-M7254-0-5		1	ASSY DRILLING HOLE LOCATION		X			A-AL-RK11-D-6	*	1	RK11-D ACCESSORY LIST									
			B-MH-M7254-0-6		1	MODULE ECO HISTORY		X			A-SL-RK11-D-7	*	1	RK11-D SOFTWARE LIST									
											A-SP-RK11-D-8		4	RK11-D ACCEPTANCE PROCEDURE									
X		6	D-CS-M7255-0-1	#	7	CIRCUIT SCHEMATIC (DISK CONT.)					B-DD-RK11-TA			RK11-D,E TESTER									
			K-CO-M7255-0-4		1	X-Y COORDINATE HOLE LOCATION																	
			D-AH-M7255-0-5		1	ASSY DRILLING HOLE LOCATION																	
			B-MH-M7255-0-6		1	MODULE ECO HISTORY																	
X		7	B-CS-M7256-0-1	#	7	CIRCUIT SCHEMATIC (DATA PATHS)																	
			K-CO-M7256-0-4		1	X-Y COORDINATE HOLE LOCATION																	
			D-AH-M7256-0-5		1	ASSY DRILLING HOLE LOCATION																	
			B-MH-M7256-0-6		1	MODULE ECO HISTORY																	

CUSTOMER PRINT SET CODES

X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
 C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
 S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

= PRINT OF DOCUMENT IS LATEST REVISION LEVEL

TITLE DISK CONTROL

SHEET 3 OF 4

SIZE CODE B DD

NUMBER RK11-D

REV J

CUSTOMER PRINT SET					MECHANICAL					CUSTOMER PRINT SET					MECHANICAL				
1	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE	1	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE				
		1	D-UA-RK11-0-0	A	1	UNIT ASSY (RK11-D)				8	D-CS-M7257-0-1		5	CIRCUIT SCHEMATIC (BUS CONTROL)					
											K-CO-M7257-0-4		1	X-Y COORDINATE HOLE LOCATION					
											D-AH-M7257-0-5		1	ASSY DRILLING HOLE LOCATION					
											B-MH-M7257-0-6		1	MODULE ECO HISTORY					
		2	C-IA-7009142-0-0	A	1	WIRED ASSY (RK11-D)													
			C-IA-7009378-0-0		1	GROUND CABLE (RK11-D)													
		3	D-IA-7009131-0-0		1	BACKPANEL													
			E-SC-1209583-0-1		1	CASTING, THREE BLOCK													
			A-SS-7407846-0-0		1	DECAL LOGIC SERIAL NUMBER													
		4	D-CS-5410185-0-1		1	CIRCUIT SCHEMATIC (BACKPANEL)													
			K-CO-5410185-0-4		1	X-Y COORDINATE HOLE LOCATION													
			E-AH-5410185-0-5		1	ASSY DRILLING HOLE LOCATION													
			B-MH-5410185-0-6		1	MODULE ECO HISTORY													
		5	D-CS-M7254-0-1		5	CIRCUIT SCHEMATIC (STATUS CONT.)													
			K-CO-M7254-0-4		1	X-Y COORDINATE HOLE LOCATION													
			D-AH-M7254-0-5		1	ASSY DRILLING HOLE LOCATION													
			B-MH-M7254-0-6		1	MODULE ECO HISTORY													
		6	D-CS-M7255-0-1		6	CIRCUIT SCHEMATIC (DISK CONT.)													
			K-CO-M7255-0-4		1	X-Y COORDINATE HOLE LOCATION													
			D-AH-M7255-0-5		1	ASSY DRILLING HOLE LOCATION													
			B-MH-M7255-0-6		1	MODULE ECO HISTORY													
		7	D-CS-M7256-0-1		6	CIRCUIT SCHEMATIC (DATA PATHS)													
			K-CO-M7256-0-4		1	X-Y COORDINATE HOLE LOCATION													
			D-AH-M7256-0-5		1	ASSY DRILLING HOLE LOCATION													
			B-MH-M7256-0-6		1	MODULE ECO HISTORY													

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S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

= PRINT OF DOCUMENT IS LATEST REVISION LEVEL

TITLE DISK CONTROL

SHEET 4 OF 4
SIZE CODE B DD

NUMBER RK11-D

REV J

NOTE:
 FOR PROPER OPERATION OF RKII-D, E
 THE RK05 DRIVE MUST HAVE AN M7705
 REV. J OR LATER AND HAVE A
 BACK PANEL OF REV. A OR LATER.
 FOR RKII-E THE RK05 MUST ALSO
 HAVE A G180 REV. K OR LATER.

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4	UNIBUS OUT	M7257	BUS CONTROL
3	POWER CONN. W130 K.M.I.I.A MAINTENANCE BOARD (OPTIONAL)	M7256	DATA PATHS CONTROL
2	BC11-A DISK CABLE	M7255	DISK CONTROL
1	UNIBUS IN M920 INTERNAL CONNECTOR OR BC11-A CABLE	M7254	STATUS CONTROL

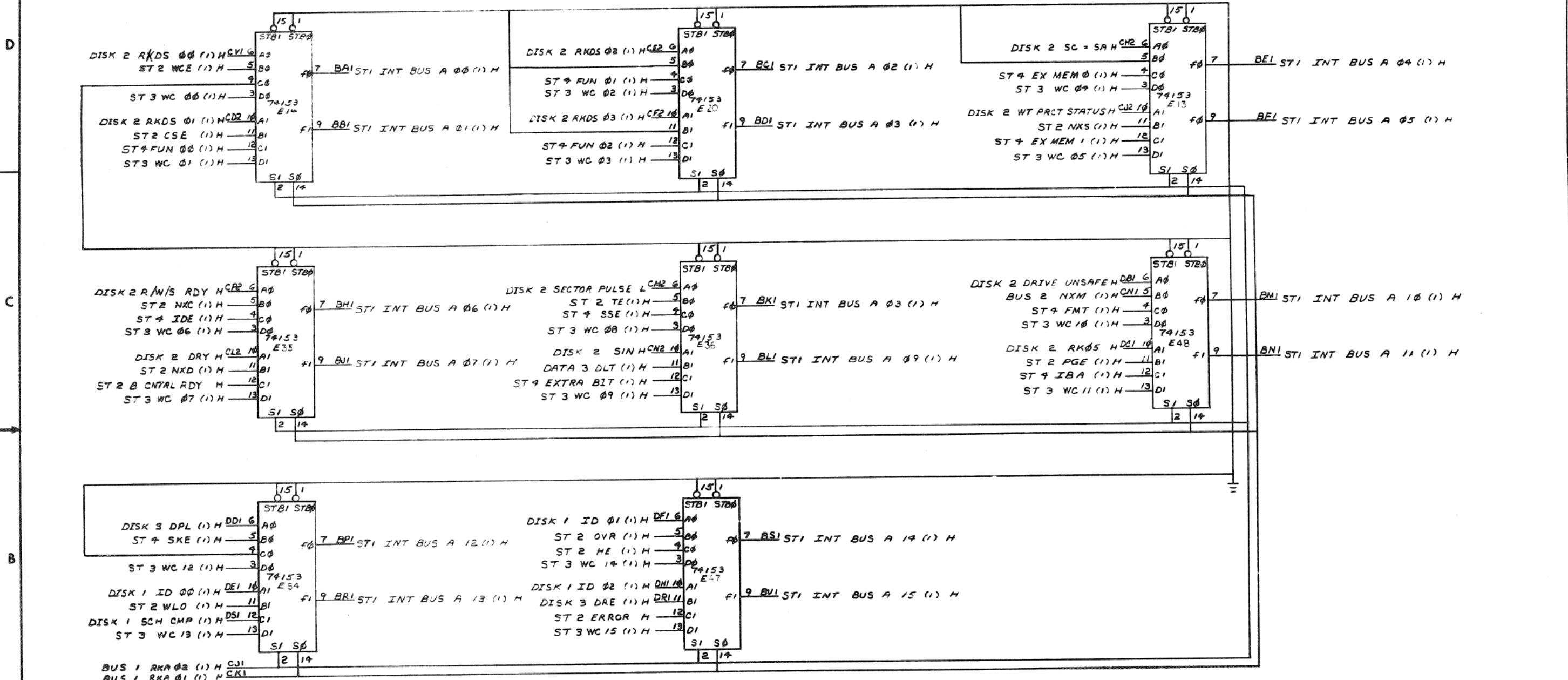
REV.	
CHANGE NO.	
CHK.	

FIRST USED ON OPTION/MODEL RKII-D	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .010 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	<table border="1"> <tr> <th>QTY.</th> <th>DESCRIPTION</th> <th>PART NO.</th> <th>ITEM NO.</th> </tr> <tr> <td colspan="4" style="text-align: center;">PARTS LIST</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	QTY.	DESCRIPTION	PART NO.	ITEM NO.	PARTS LIST							
QTY.	DESCRIPTION	PART NO.	ITEM NO.											
PARTS LIST														
MATERIAL FINISH		EQUIPMENT CORPORATION BATHURST, MASSACHUSETTS TITLE MODULE UTILIZATION NEXT HIGHER ASSY B-DD-RKII-D SCALE NONE SHEET 2 OF 1	NUMBER DMURKII-D-1 REV.											

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DIGITAL EQUIPMENT CORPORATION

CSM7254-0-1



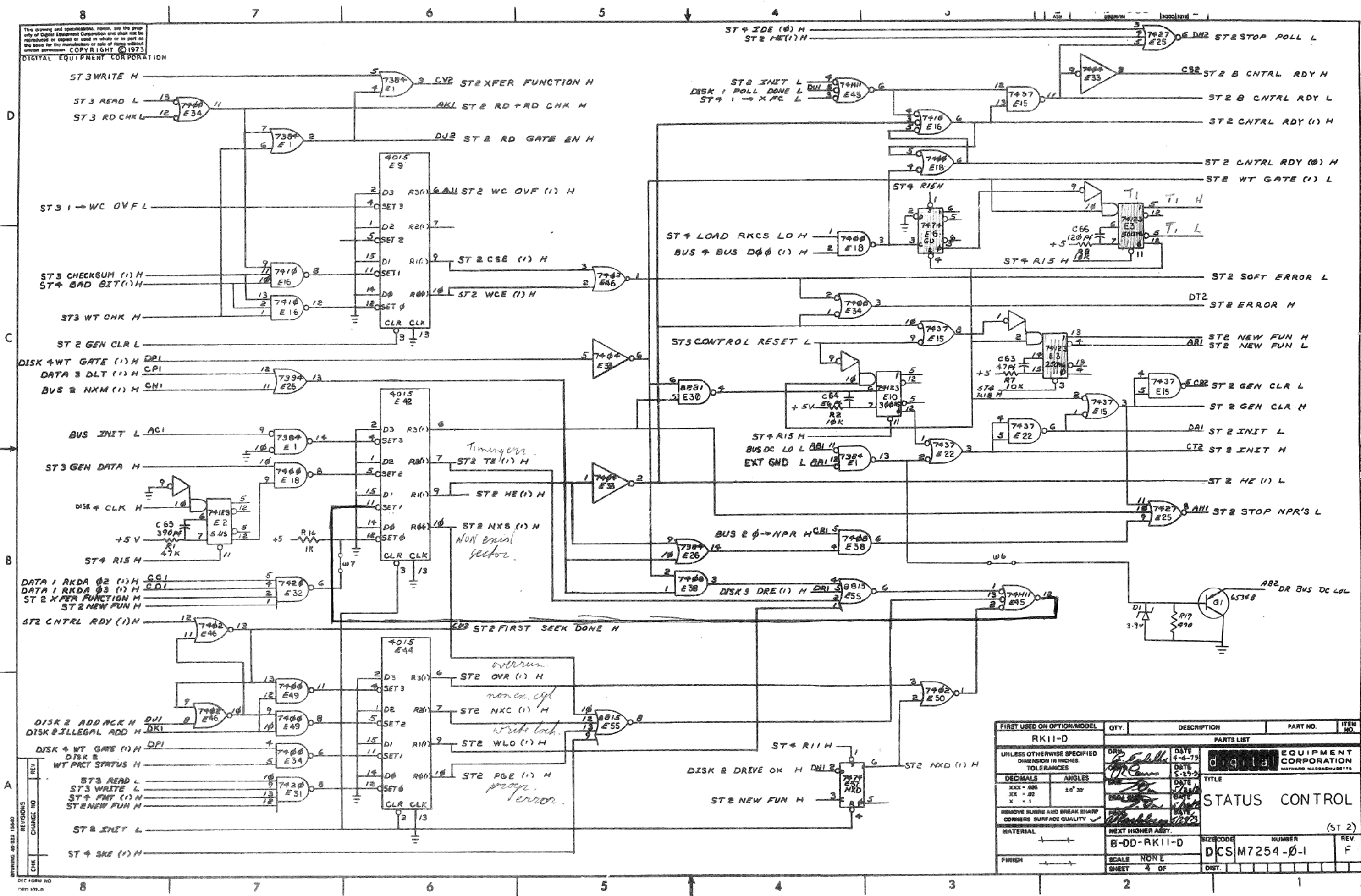
- NOTES:
- CUT W3 FOR 16 BIT OPERATION (RK11-D)
 - CUT W1 FOR 18 BIT OPERATION (RK11-E)
CUT W2 FOR 16 BIT OPERATION (RK11-D)
 - CUT W3 FOR NORMAL OPERATION (CHECKS HEADER 16 TIMES BEFORE FLAGGING SEEK ERROR)
CUT W4 FOR RK11-C COMPATABILITY (CHECKS HEADER ONCE)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>R. G. Smith</i>	DATE 4-4-73	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ENG <i>R. G. Smith</i>	DATE 5-27-73		
ANGLES XXX - .005 .XX - .02 .X - .1	PRFL <i>R. G. Smith</i>	DATE 7-27-73	TITLE STATUS CONTROL	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE <i>R. G. Smith</i>	DATE 8-27-73		
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV
FINISH	B-DD-RK11-D	DCS	M7254-0-1	C
SCALE NONE	SHEET 3 OF	DIST.		

REV
CHANGE NO

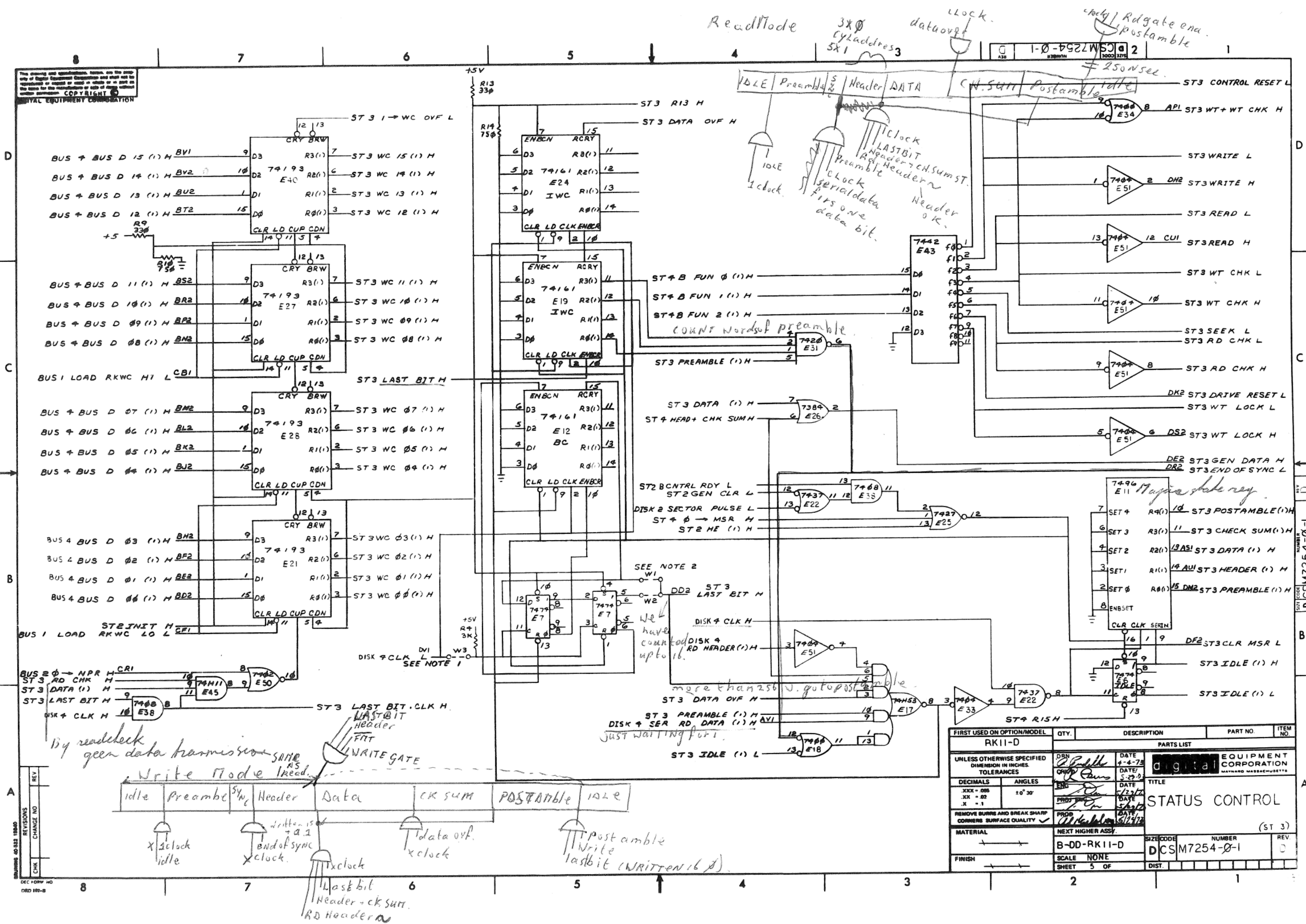
CSM7254-0-1

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN 6-8-73	DATE	DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	DRS 5-29-73	DATE	TITLE STATUS CONTROL (ST 2)	
ANGLES	DRS	DATE	REVISIONS	
.XXX - .000 ±0°30'		DATE	MATERIAL	
.XX - .02		DATE	NEXT HIGHER ASSY.	
.X - .1		DATE	B-DD-RK11-D	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	SCALE NONE	
		DATE	SIZE CODE NUMBER	
		DATE	DCSM7254-0-1	
		DATE	FINISH	
		DATE	SHEET 4 OF	
		DATE	DIST.	

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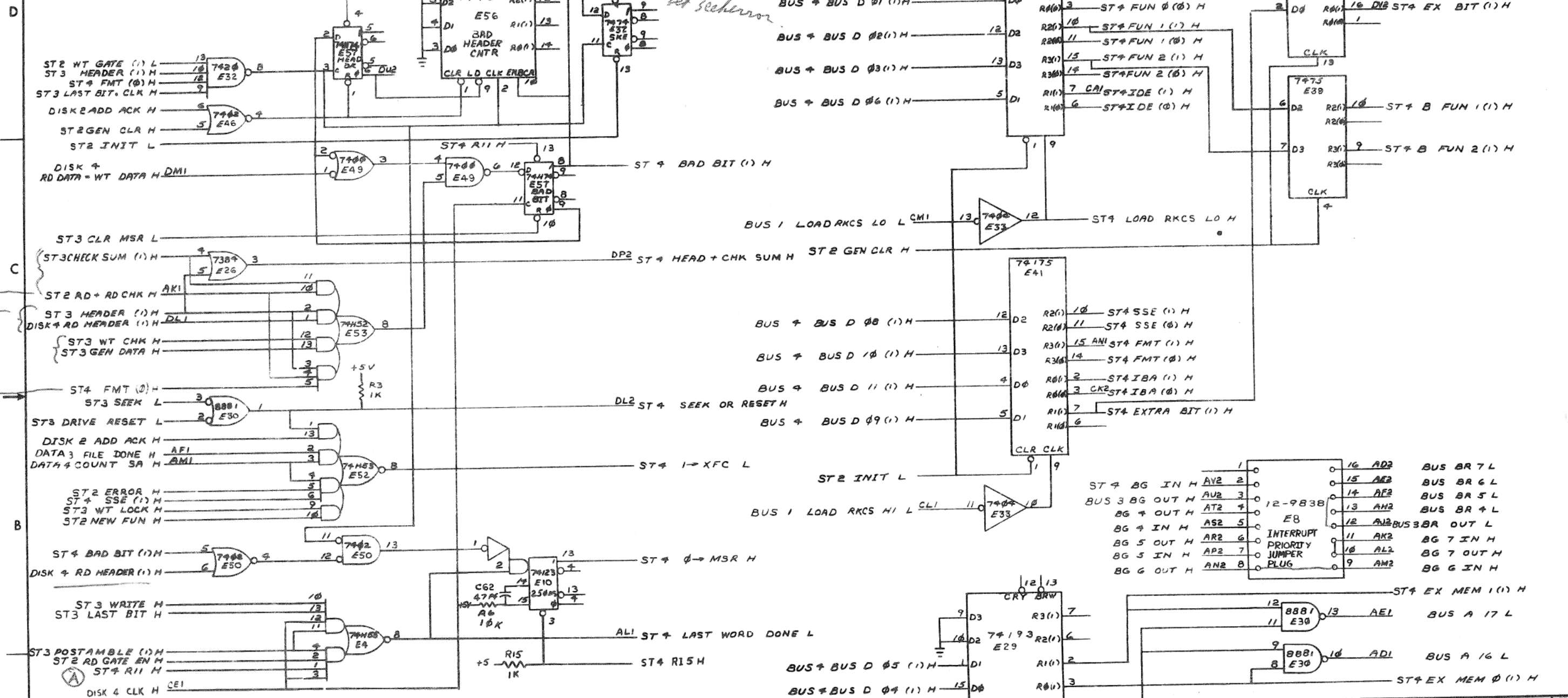
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XX - .005	± 0° 30'	STATUS CONTROL (ST 3)		
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
SCALE NONE		SIZE CODE	NUMBER	REV.
SHEET 5 OF		DIST.	DCS M7254-0-1	0

REVISIONS
 CHANGE NO.
 CHK
 DEC 10 1966
 DED 160-8

DCS M7254-0-1

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SEE NOTE 3
 to read header 16 or 1 time after that set secherron



ST 2 INIT H CMI
 BUS 1 LOAD RKCS LO L CMI
 ST 3 R13 H CSI
 DATA 1 AKBA DVF L CSI
 BUS 4 RK NPK MASTER H CMI

16	AD2	BUS BR 7 L
15	AE2	BUS BR 6 L
14	AF2	BUS BR 5 L
13	AH2	BUS BR 4 L
12	AI2	BUS BR 3 L
11	AK2	BG 7 IN H
10	AL2	BG 7 OUT H
9	AM2	BG 6 IN H
8	AN2	BG 6 OUT H

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
TOLERANCES				
DECIMALS		ANGLES		
.XX - .99		± 0° 30'		
.XX - .99				
.XX - .99				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				

PARTS LIST		
QTY.	DESCRIPTION	PART NO.
1	AE1	BUS A 17 L
1	AD1	BUS A 16 L
1	AE2	BUS BR 7 L
1	AF2	BUS BR 6 L
1	AH2	BUS BR 4 L
1	AI2	BUS BR 3 L
1	AK2	BG 7 IN H
1	AL2	BG 7 OUT H
1	AM2	BG 6 IN H
1	AN2	BG 6 OUT H

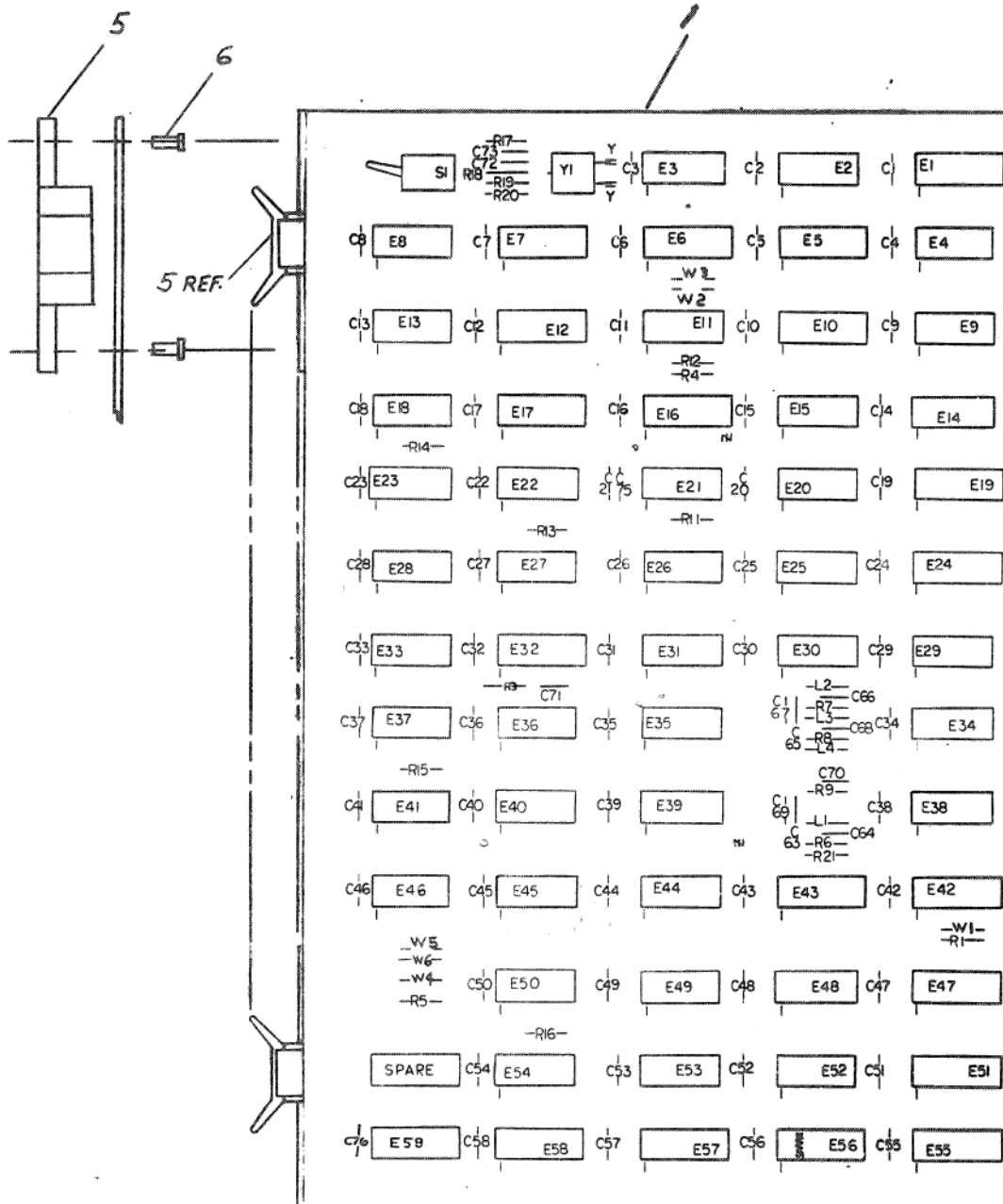
REV	
CHG	
CHK	
REV	
CHG	
CHK	

DEC FORM 90
 DRD 169-B

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NOTES:

1. IF 11380'S (ITEM#33) ARE NOT AVAILABLE, USE THE STANDARD 380'S, PART NO. 19-09485.

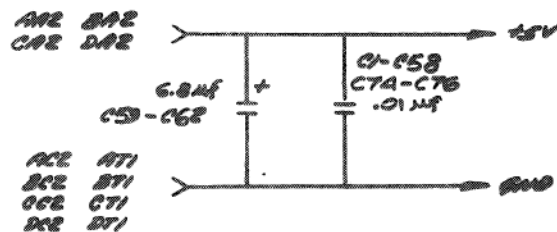


PIN NOMENCLATURE
MODULE RKII-D

I.C. DEC 11380	1	8
I.C. DEC 7380	1	8
I.C. DEC 74193	8	16
I.C. DEC 74175	8	16
I.C. DEC 74161	8	16
I.C. DEC 74151	8	16
I.C. DEC 74157	8	16
I.C. DEC 74196	5	12
I.C. DEC 314	1	8
I.C. DEC 7482	11	4
I.C. DEC 74174	8	16
I.C. DEC 7476	5	13
I.C. DEC 7482	8	16
I.C. DEC 74123	8	16
IC TYPE	GND	+5V

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

IC PIN LOCATIONS



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
3	W1, W2, W6	INSULATED JUMPER L2007-1	9009185	53
2		SPLIT LUGS	9006735	52
2		SWAGE LUGS	9007791	51
1	S1	SWITCH TOGGLE SPDT	1210209	50
4	L1-L4	INDUCTOR 100UH, 165MA 10%	1610662	49
1	Y1	CRYSTAL (SEE TABLE 1)		48
10	E11, E16, E22, E27, E29, E42, E49, E52-E59	I.C. DEC 7474	1905547	47
1	E50	I.C. DEC 74H04	1909931	46
2	E13, E46	I.C. DEC 7408	1910155	45
1	E59	I.C. DEC 314	1909704	44
1	E55	I.C. DEC 74161	1910650	43
1	E31	I.C. DEC 8815	1903713	42
1	E43	I.C. DEC 7482	1910096	41
1	E7	I.C. DEC 7476	1905585	40
1	E6	I.C. DEC 74174	1910652	39
1	E28	I.C. DEC 7482	1905584	38
1	E18	I.C. DEC 74H21	1909058	37
1	E36	I.C. DEC 74H30	1909060	36
1	E37	I.C. DEC 7450	1905580	35
1	E34	I.C. DEC 8252	1909112	34
6	E20, E21, E25, E29, E30, E38	I.C. DEC 11380	1911113	33
2	E12, E17	I.C. DEC 74123	1910018	32
2	E42, E47	I.C. DEC 74157	1910655	31
1	E57	I.C. DEC 74151	1909986	30
2	E51, E58	I.C. DEC 74175	1910651	29
1	E3	I.C. DEC 7380	1910390	28
5	E2, E9, E9, E14, E15	I.C. DEC 8881	1909705	27
1	E32	I.C. DEC 74123	1910436	26
1	E35	I.C. DEC 7420	1905577	25
3	E23, E39, E45	I.C. DEC 7410	1905576	24
3	E8, E40, E44	I.C. DEC 7400	1905575	23
2	E5, E10	I.C. DEC 7496	1910363	22
2	E26, E33	I.C. DEC 7404	1909686	21
7	R1, R4, R12, R13, R15, R16, R20	RES. 1K 1/4W 5%	1300365	20
1	R5	RES. 3K 1/4W 5%	1300433	19
4	R6-R9	RES. 910Ω 1/4W 5%	1305374	18
2	R17, R18	RES. 10K 1/4W 5%	1300479	17
1	R3	RES. 5.6K 1/4W 5%	1301874	16
2	R11, R14	RES. 390Ω 1/4W 5%	1300309	15
2	R19, R20	RES. 470Ω 1/4W 5%	1300316	14
3	E1, E19, E24	RES. PACK	1311003-01	13
2	C72, C73	CAP. 0.05μF 100V 20%	1001765	12
4	C63, C65, C67, C69	CAP. 270PF 100V 5% DM	1000082	11
4	C60, C66, C68, C70	CAP. 39PF 100V 5% DM	1000010	10
60	C1-C58, C75, C76	CAP. 0.01μF 100V 20% AXIAL	1001610	9
4	C53-C62	CAP. 6.8μF 35V 10% TANT	1005306	8
1	C71	CAP. 27PF 100V 5%	1001739	7
8		SPACER (65-8-7) STAINLESS	9006732	6
4		HANDLE FLIP-CHIP MOUNTING	9008337-08	5
1		ETCHED CIRCUIT BOARD	5009986	4
1		MATERIAL FOR HISTORY	5001785-0-6	3
1		ADJUSTABLE WIRE CONTACT	5001785-0-5	2
1		X-Y COORDINATE HOLE LOCATION	5001785-0-4	1

FIRST USED ON OPTION MODEL

RKII-D

ETCH BOARD REV E

PARTS LIST

DEC. NO.	EIA NO.	DEC. NO.	EIA NO.	SCALE	D	CS	M7255-0-1	REV.	E

DRAWING 40-512 18599

D CS M7255-0-1

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NOTES:

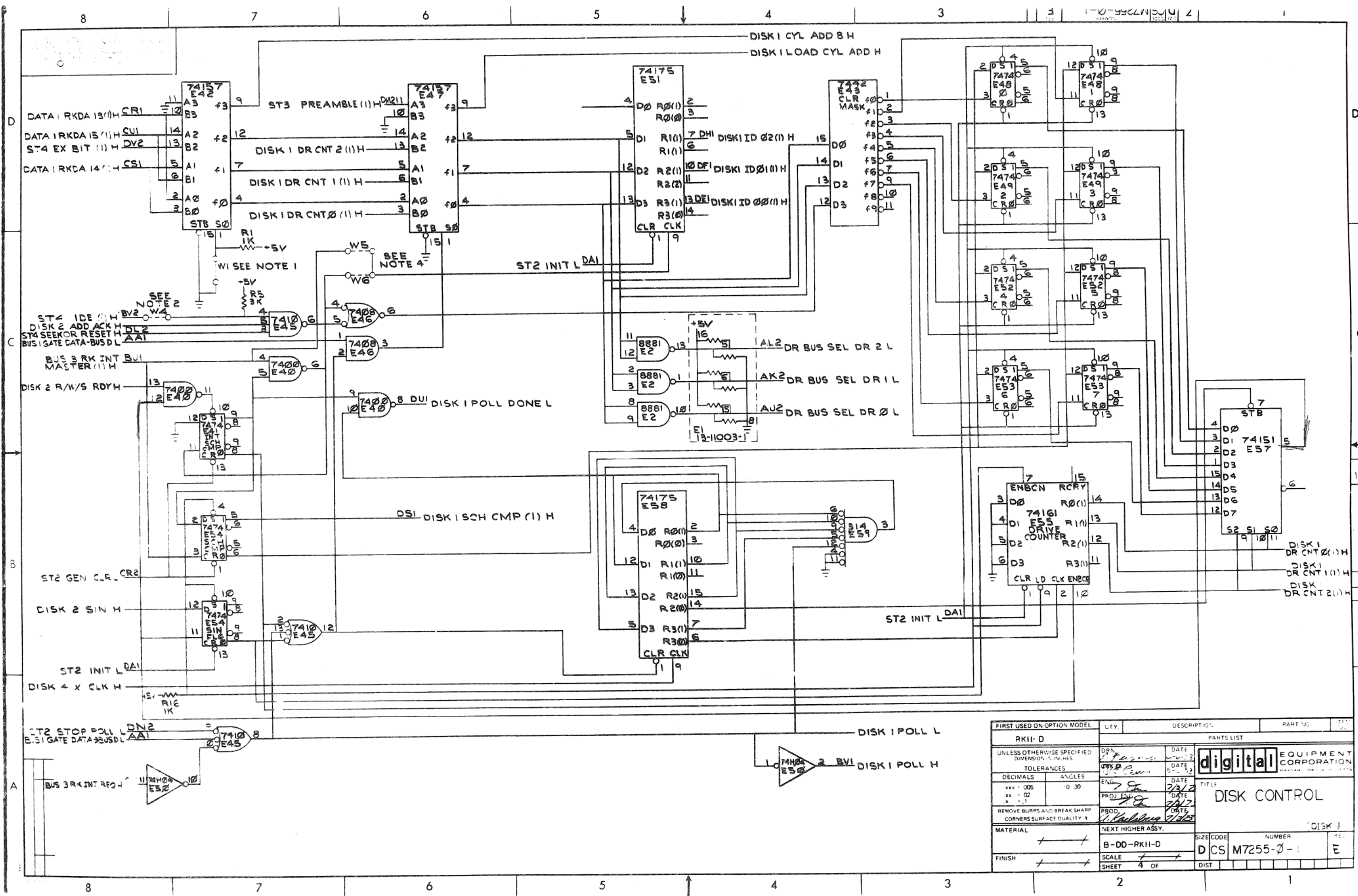
- 1) INSTALL W1 FOR RK05.
- 2) CUT W4 FOR RKII-C COMPATIBILITY (NORMAL OPERATION)
- 3) FOR RKII-D/RK05) CUT JUMPER W3 FOR RKII-E (18 BIT RK05) CUT JUMPER W2.
- 4) FOR NORMAL OPERATION INSTALL W6 (CHANGES ID BITS ONLY FOR SEARCH COMPLETE INTERRUPT). INSTALL W5 TO CHANGE ID BITS FOR ANY INTERRUPT.
- 5) INSTALL PROPER CRYSTAL IN SPLIT LUGS AS OUTLINED IN TABLE I.

	DISK	BITS/WORD	MHZ	DEC P/N
RKII-D	RK05	16	2.880	18-10694-3
RKII-E	RK05	18	3.090	18-10694-4

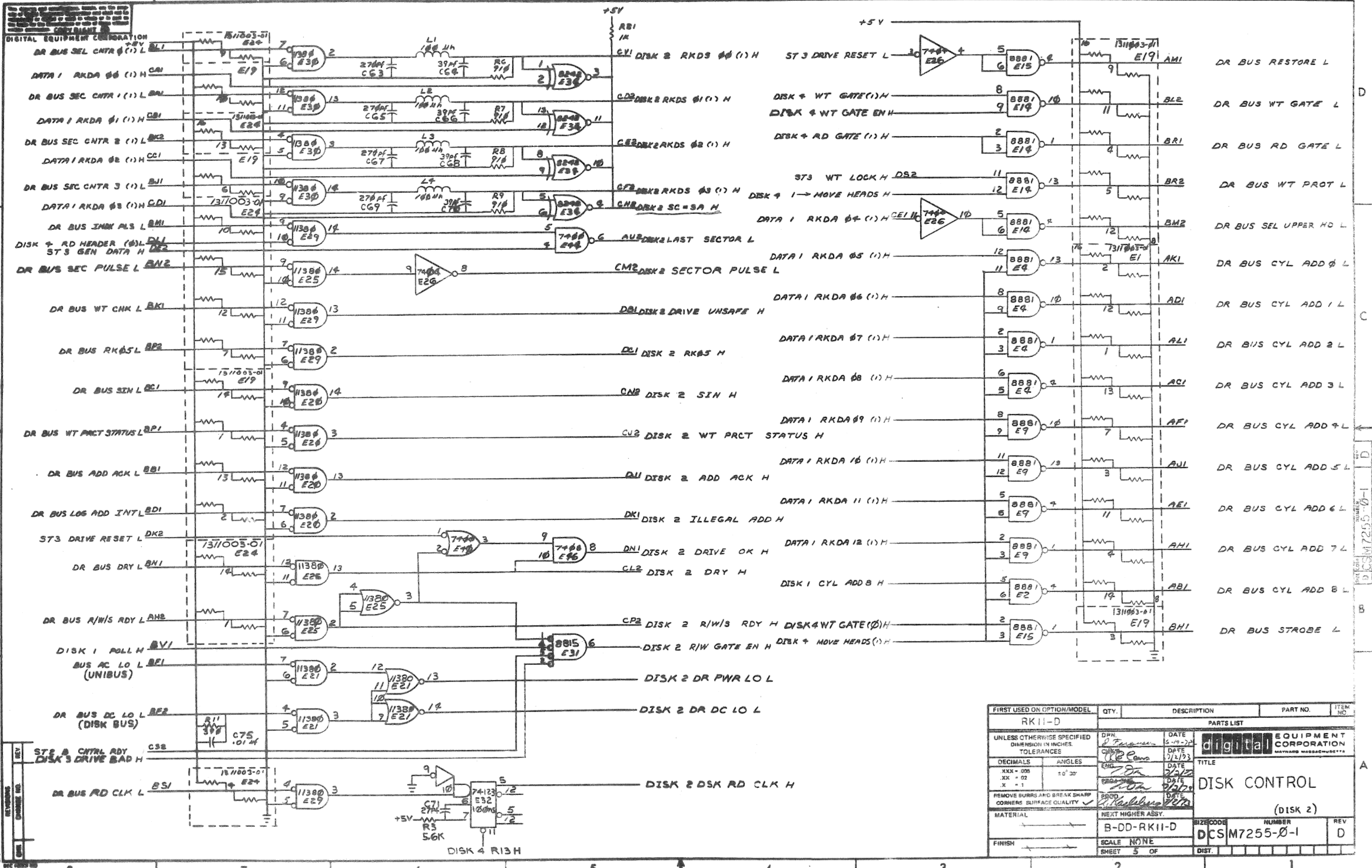
REV.	CHANGE NO.

DEC FORM NO. DRG 100-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	TEST NO.
RKII-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN 7/23/73	DATE 8-2-73	 digital EQUIPMENT CORPORATION TITLE DISK CONTROL RKII-D	
TOLERANCES	CHK'D 7/23/73	DATE 7-2-73		
DECIMALS ANGLES	ENGR. 7/23/73	DATE 7-2-73		
.xxx = .005 .xx = .02 .x = .1	PROL-ENG 7/23/73	DATE 7-2-73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 4	PROD. 7/23/73	DATE 7-2-73		
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
+ +	B-DD-RKII-D		D CS	M7255-0-1
FINISH	SCALE	NONE	DIST.	
+ +	SHEET	3 OF		

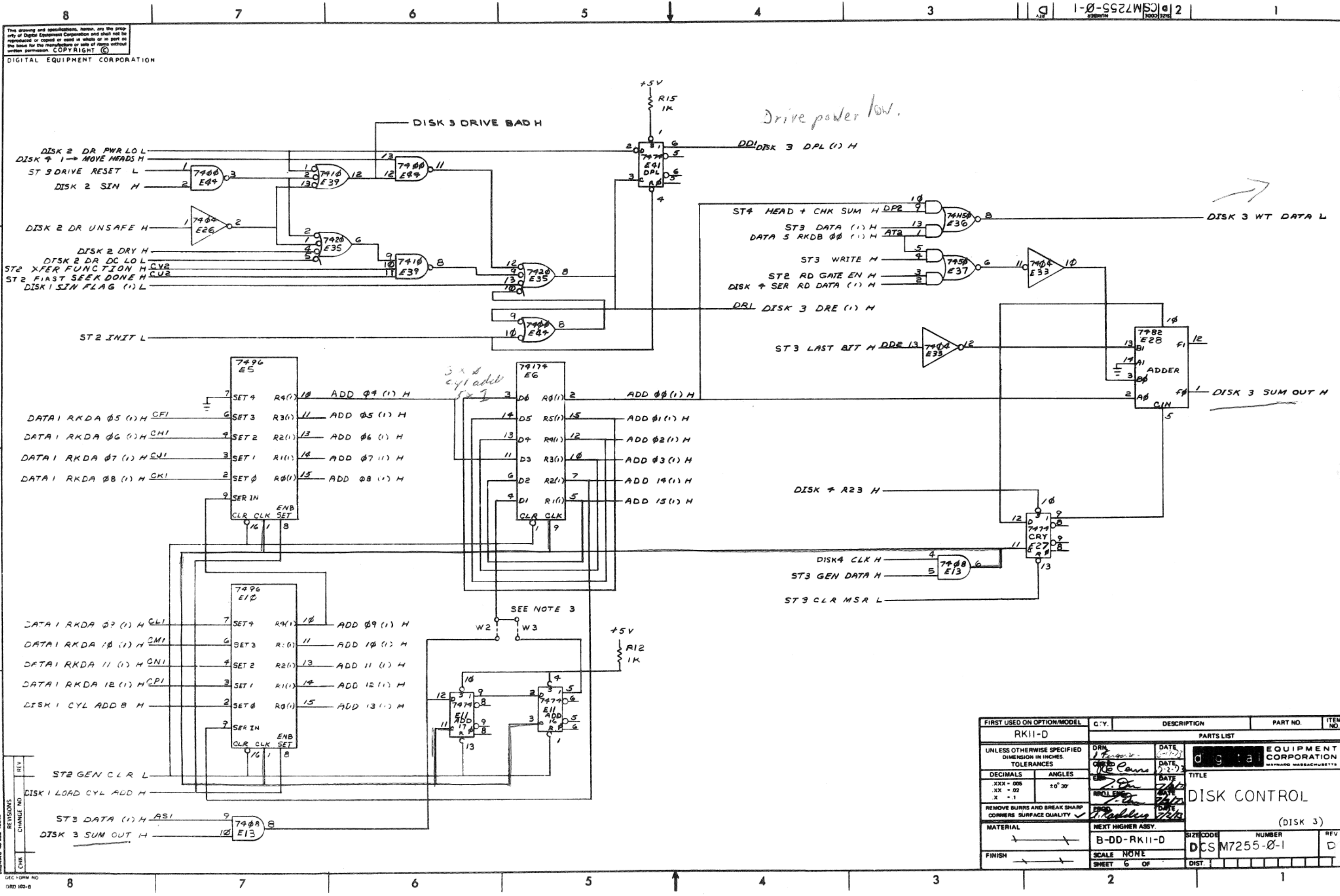


FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	REV.
RK11-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DRN	DATE	
TOLERANCES		CHK'D	DATE	
DECIMALS	ANGLES	ENG	DATE	
xxx - .005	-0.30	PROJ	DATE	
xx - .02		PBOD.	DATE	
x - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	TITLE		
		DISK CONTROL		
FINISH		SIZE CODE	NUMBER	REV.
		B-DD-RK11-D	D CS M7255-0-1	E
		SCALE		
		SHEET	4 OF	



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
XXX - .005	± 0° 30'	digital EQUIPMENT CORPORATION		
XX - .02		MAYNARD MASSACHUSETTS		
X - .1		TITLE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
FINISH				
B-DD-RK11-D		SIZE CODE	NUMBER	REV
SCALE NONE		DIST.	DCSM7255-0-1	D
SHEET 5 OF				

DCSM7255-0-1



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DIGITAL EQUIPMENT CORPORATION

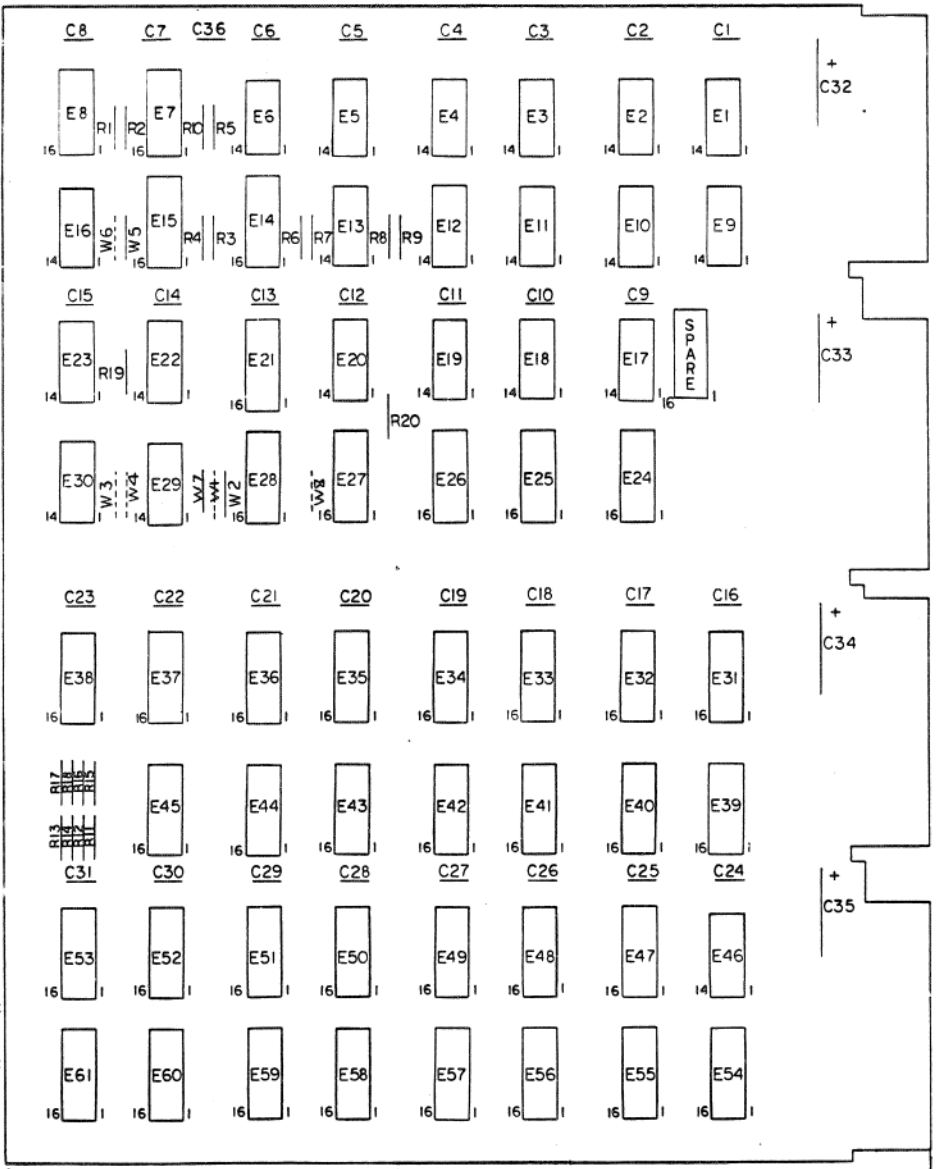
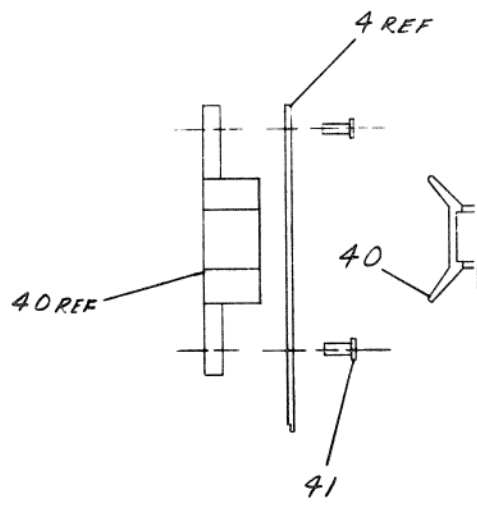
FIRST USED ON OPTION/MODEL	C.Y.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DATE	EQUIPMENT CORPORATION MAYFORD MASSACHUSETTS	
DECIMALS	ANGLES	DATE	TITLE	
.XXX - 005	±0° 30'	DATE	DISK CONTROL	
.XX - 02		DATE	(DISK 3)	
X - 1		DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE		
MATERIAL		NEXT HIGHER ASSY.		
FINISH		B-DD-RK11-D	SIZE CODE	NUMBER
		SCALE NONE	DCS M7255-0-1	REV
		SHEET 6 OF	DIST	D

REV	CHG	NO	DATE

DEC FORM NO. 0102-B

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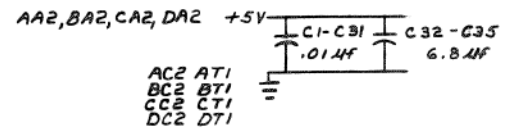
NOTES:



PIN NOMENCLATURE
MODULE RK11-D

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	R6	5.6K 1/4 W 5% CC	1301874	41
3	W2, W5, W7	INSULATED JUMPER L-2007-1	90092145	42
8		EYELET #654-7 E.B. STIMPSON	9006732	43
4		HANDLE, FLIP CHIP MAGENTA	9009337-6	40
4	E52, E53, E60, E61	I.C. DEC 74157	1910655	39
8	E48-E51, E56-E59	I.C. DEC 74153	1919937	38
1	E46	I.C. DEC 8281 DC	1909490	37
1	E38	DIP RESISTOR PACK	1311003-02	36
5	E33-E37	I.C. DEC 74170	1910738	35
7	E31, E32, E39, E40, E47, E54, E55	I.C. DEC 74193	1910018	34
1	E30	I.C. DEC 380	1909985	33
10	E29-E28, E41-E45	I.C. DEC 8271	1909615	32
1	E23	I.C. DEC 8881	1909705	31
2	E22, E29	I.C. DEC 7473	1905587	30
1	E21	I.C. DEC 4007	1909567	29
1	E18	I.C. DEC 7421	1909058	28
1	E17	I.C. DEC 7437	1910091	27
1	E13	I.C. DEC 7412	1909955	26
1	E12	I.C. DEC 7400	1905575	25
4	E11, E16, E19, E20	I.C. DEC 7474	1905547	24
1	E10	I.C. DEC 74110	1909057	23
1	E9	I.C. DEC 74155	1909063	22
1	E8	I.C. DEC 74161	1910650	21
3	E7, E14, E15	I.C. DEC 74123	1910436	20
1	E5	I.C. DEC 74174	1909607	19
2	E4, E6	I.C. DEC 74150	1909360	18
1	E3	I.C. DEC 7402	1909004	17
1	E2	I.C. DEC 74184	1909931	16
1	E1	I.C. DEC 7408	1910155	15
4	R15-R18	RES. 680Ω 1/4W 5% CC	1301924	14
4	R11-R14	RES. 330Ω 1/4W 5% CC	1302895	13
1	R10	RES. 20K 1/4W 5% CC	1302391	12
4	R8, R9, R19, R20	RES. 1K 1/4W 5% CC	1300365	11
4	R3-R5, R7	RES. 5.11K 1/4W 1% MF	1304854	10
1	R2	RES. 390Ω 1/4W 5% CC	1300309	9
1	R1	RES. 180Ω 1/4W 5% CC	1301322	8
1	C36	CAP. 150PF 100V 5% D.M.	1000019	7
4	C32-C35	CAP. 6.8UF 35V 20% TANT	1000067	6
31	C1-C31	CAP. .01UF 100V 20% DISC.	1001610	5
1		ETCHED CIRCUIT BOARD	5009987	4
REF		MODULE ECO HISTORY	B-MH-M7256-0-6	3
REF		ASSY/DRILLING HOLE LAYOUT	D-MH-M7256-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M7256-0-4	1

DEC NO.	QTY	REF
DEC 4007	8	16
DEC 7473	11	4
DEC 74170	8	16
DEC 74193	8	16
DEC 74161	8	16
DEC 74157	8	16
DEC 74153	8	16
DEC 8271	8	16
DEC 380	1	8
IC TYPE	GND	+5V
GND AND +5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		



SEMICONDUCTOR CONVERSION CHART

REVISIONS

REV	CHG	CHANGE NO.	ORIGINATED	REV
1				
2				
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DATE 9-20-72

digital EQUIPMENT CORPORATION

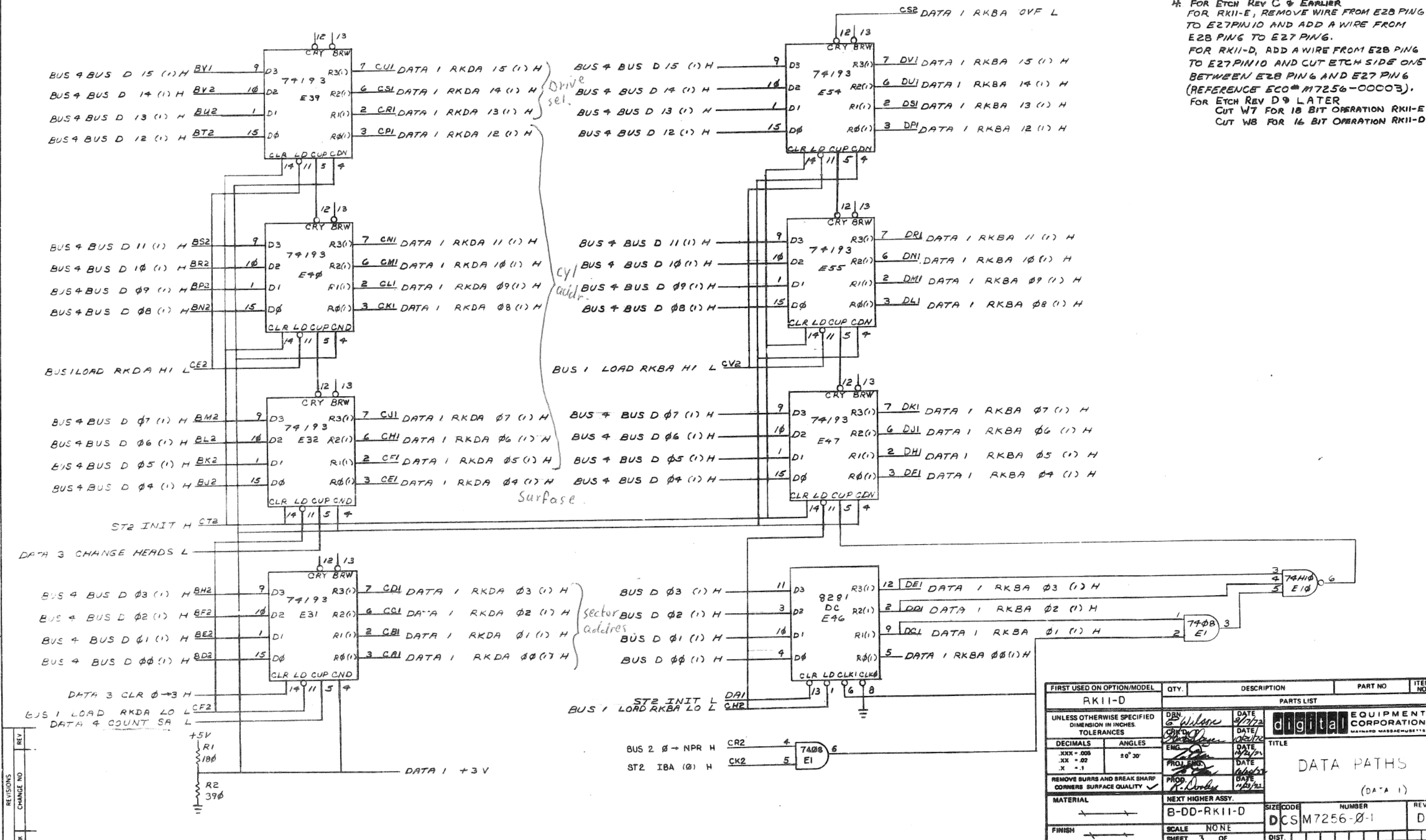
DATA PATHS

SIZE CODE DCS NUMBER M7256-0-1

SHEET 2 OF 1

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- NOTES:
- CUT W1 FOR 16 BIT OPERATION (RK11-D) CUT W2 FOR 18 BIT OPERATION (RK11-E)
 - CUT W3+W4 FOR 16 BIT OPERATION
 - CUT W5 FOR 18 BIT OPERATION CUT W6 FOR 16 BIT OPERATION
 - FOR ETCH REV C & EARLIER FOR RK11-E, REMOVE WIRE FROM E28 PING TO E27 PIN10 AND ADD A WIRE FROM E28 PING TO E27 PIN6. FOR RK11-D, ADD A WIRE FROM E28 PING TO E27 PIN10 AND CUT ETCH SIDE ONE BETWEEN E28 PING AND E27 PIN6 (REFERENCE ECO# M7256-00003). FOR ETCH REV D & LATER CUT W7 FOR 18 BIT OPERATION RK11-E CUT W8 FOR 16 BIT OPERATION RK11-D

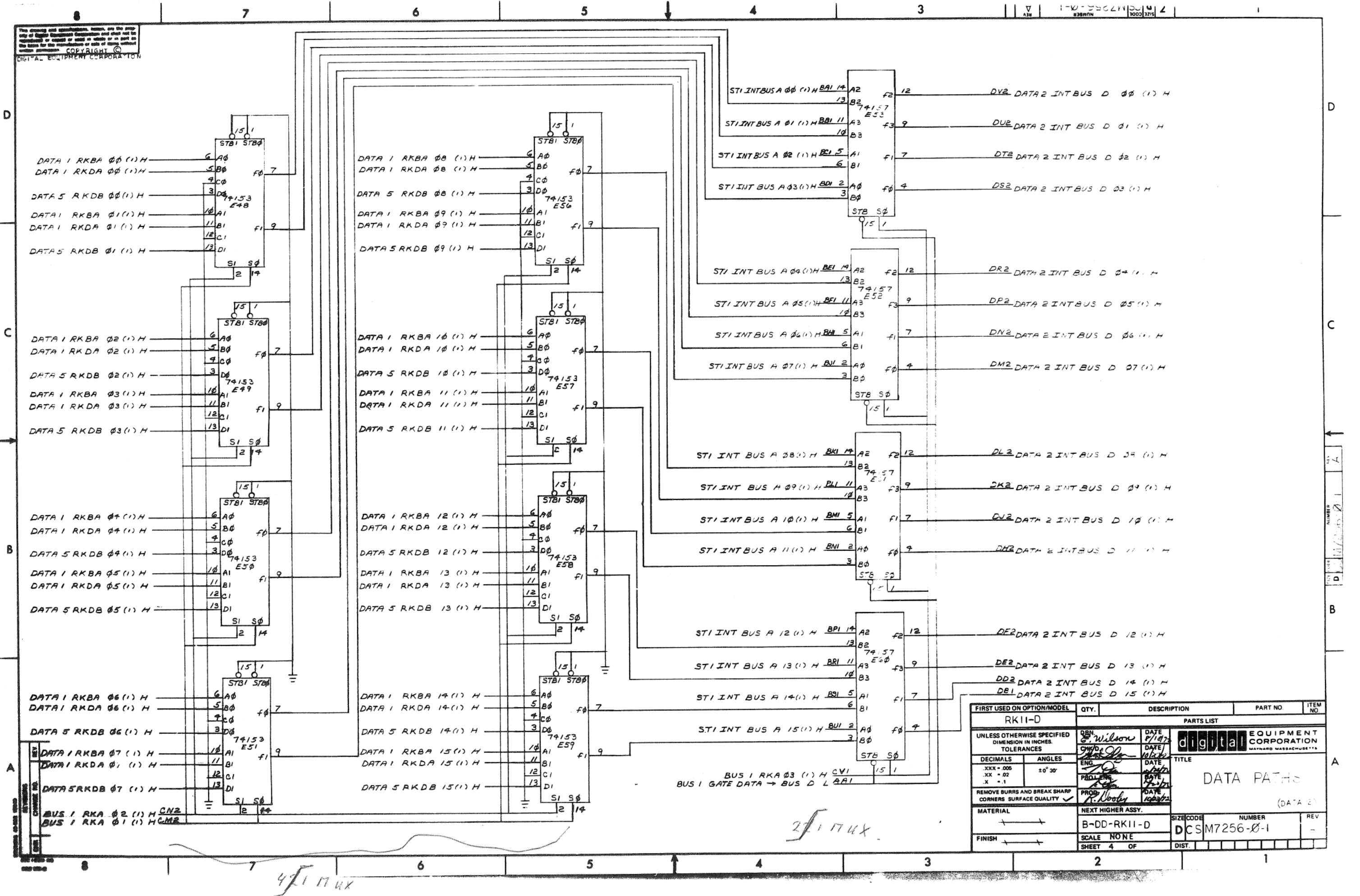


FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XX ± .005	± 0° 30'	DATA PATHS (DATA 1)		
.X ± .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV
	B-DD-RK11-D	DCSM7256-0-1		D
FINISH	SCALE NONE	SHEET 3 OF	DIST.	

REV	CHANGE NO	REVISIONS

DCSM7256-0-1

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XXX - .005	±0° 30'	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
.XX - .02		TITLE		
.X - .1		DATA PATHS		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV
	B-DD-RK11-D	DCS	M7256-0-1	-
FINISH	SCALE NONE	SHEET	4 OF	DIST.

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ST 3 WT + WT CHK H API
 BUS 2 φ → NPR H
 DATA 4 LAST DATA BIT H
 ST 2 INIT L DAI
 DATA 4 WT DONE H

ST 4 FMT (1) H ANI
 ST 3 HEADER (1) H AVI
 BUS 2 DATA STR 2 L CL2
 ST 3 DATA (1) H ASI
 DISK 4 CLK H CDE

DATA 4 RD FILE L
 DATA 4 RD DONE L

DATA 4 LAST DATA BIT H
 BUS 2 φ → NPR H CR2

ST 3 WT + WT CHK H
 ST 3 READ H CUB
 ST 2 NEW FUN L ARI

ST 2 WC OVF (1) H AVI
 ST 2 STOP NPRS L AHI

DATA 1 RKDA φ (1) H
 DATA 4 COUNT SA H
 DISK 2 LAST SECTOR L AUB

ST 2 GEN CLR L AP2

DATA 4 COUNT SA L

ST 2 INIT L

DATA 1 +3V

DATA 1 +3V

DATA 3 GEN CLR H

AK2 DATA 3 IN BUFF FULL (1) H

CP2 DATA 3 DLT (1) H

DATA 3 CLK IN BUFF L

DATA 3 + 1 → SHIFT CNTR L

DATA 3 CLK OUT BUFF L

AL2 DATA 3 OUT BUFF FULL (1) H

DATA 3 GEN CLR L

DATA 3 NPR REQ H

AV2 DATA 3 NPR EN (1) H

AF1 DATA 3 FILE DONE H

AR2 DATA 3 CYL OVF L

DATA 3 CHANGE HEADS L

DATA 3 CLR φ → 3 H

*OUT Buff Full
 Read.
 NPR enable*

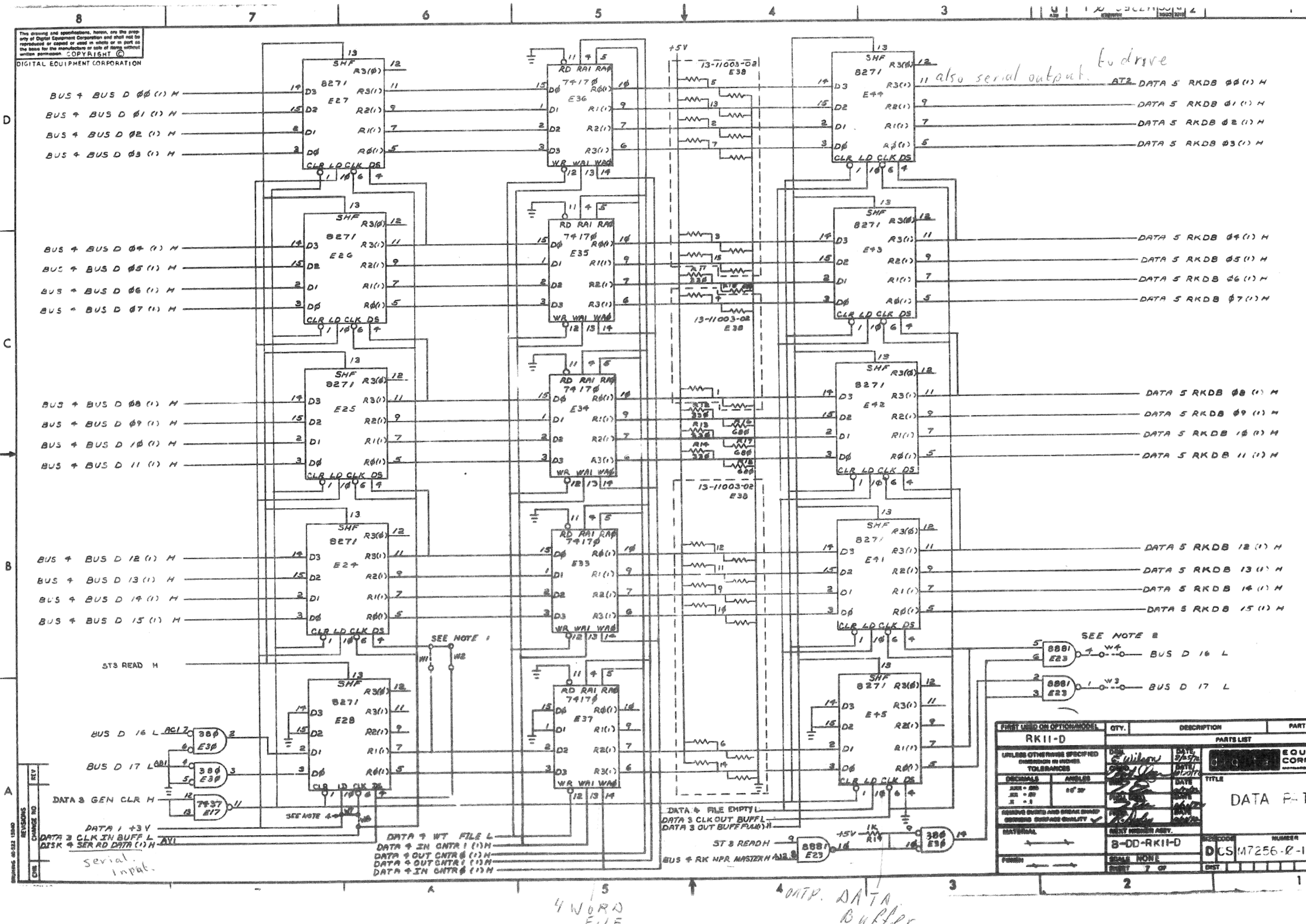
*for ch
 Heads*

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN G. Wilson	DATE 8/20/72	PARTS LIST	
DECIMALS	CHK'D R. B. [Signature]	DATE 1/20/73	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
ANGLES	ENG R. B. [Signature]	DATE 1/20/73	TITLE	
.XXX - .005	PROJ R. B. [Signature]	DATE 1/20/73	DATA PATHS	
.XX - .02	PROJ R. B. [Signature]	DATE 1/20/73	(DATA 3)	
.X - .1	PROJ R. B. [Signature]	DATE 1/20/73		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
	B-DD-RK11-D		DCS	M7256-0-1
FINISH	SCALE NONE		SHEET 5 OF	DIST.

REV	CHG	REVISIONS

DEC FORM NO. 010 10-68

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PART USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE	PARTS LIST	
FRACTIONS	DIGITS	BY	EQUIPMENT CORPORATION	
MATERIAL				
PART NUMBER ASSY.				
8-DD-RK11-D				
TITLE				
DATA PATHS				
FORM				
SCALE NONE				
REV 7 OF				
DCS M7256-R-1				

M7256-R-1

PAGE REVISION CONTROL SHEET

SH NO.	PAGE REVISIONS								REMARKS
	A	B	C	D	E	F	G	H	
1	A	B	C	D	E	F	G	H	(BUS 1) (BUS 2) (BUS 3) (BUS 4)
2	A	B	C	C	D	E	F	F	
3	A	A	B	B	B	B	B	B	
4	A	A	A	A	A	B	B	B	
5	A	B	B	C	D	D	D	D	
6	A	A	A	A	A	A	A	A	
									Buffer File 200p Read: 1) Ser. Id. data from RK05 2) Read H ends SW PL when clock in buff. true 3) Count nr of bit loaded. - Read data from plst. for the nsh. - Write in file INVENTA → we write in out in a word file nr. file should be in file ch. for in cmta.

DATE	ENG.	ETCH REV.	ECO NO.
12-15-72	70	B	00001
2-6-73	70	B	00002
5-23-73	70	B	00003
11-13-73	70	B	00004
1/9/74	70	B	00005
2/1/74	70	B	646A

FIRST USED ON OPTION/MODEL
RKII-D

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DRN. <i>[Signature]</i>	DATE 10/23/72
CHK'D. <i>[Signature]</i>	DATE 10/23/72
ENG. <i>[Signature]</i>	DATE 10/20/72
PROJ. ENG. <i>[Signature]</i>	DATE 10/23/72
PROD. <i>[Signature]</i>	DATE 10/23/72
NEXT HIGHER ASSY. B-DD-RKII-D	
SCALE <i>[Signature]</i>	
SHEET 1 OF 6	

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE
BUS CONTROL
(RKII-D)

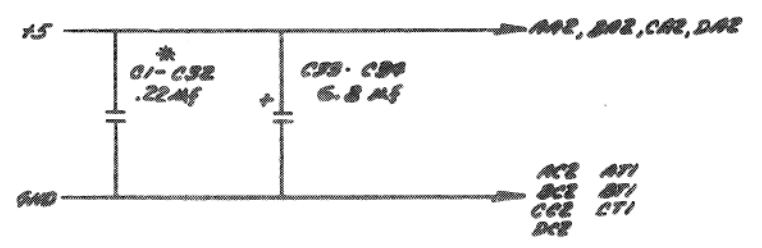
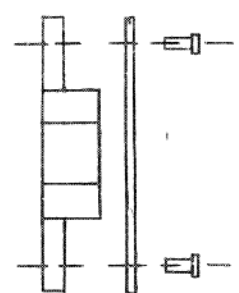
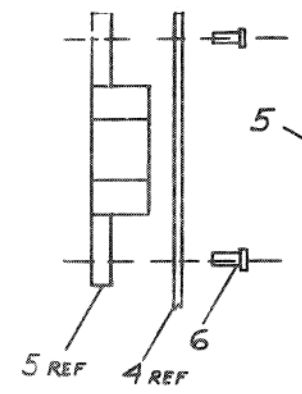
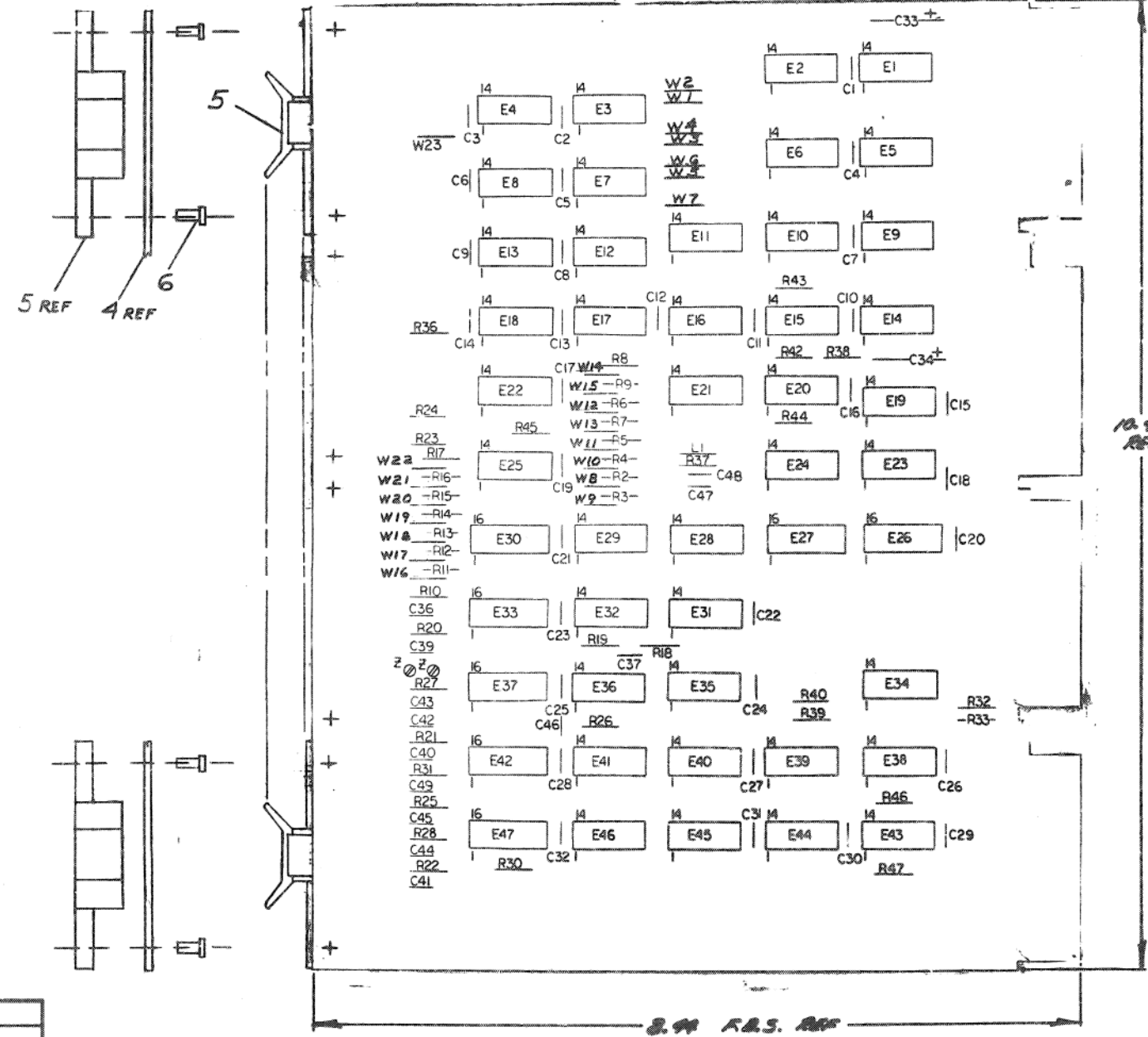
SIZE	CODE	NUMBER	REV.
B	CS	M7257-Ø-1	H
DIST.			

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NOTES:

* IF ITEM #10 IS NOT AVAILABLE
 USE PART NO. 1010274-00 OR
 USE PART NO. 1001610(.01M5, 100V, 20%)

**PIN NOMENCLATURE
 MODULE RK11-D**



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	C1	CHOC 97MH	1610271	46
2		SPRIT 2495	9006735	45
28	W1-W23	MOUNTED JUMPER (2007-1)	9009185	44
1	E21	I.C. DEC 7487	1910091	43
1	E20	I.C. DEC 7416	1909928	42
2	E22, E25	I.C. DEC 8242	1909712	41
7	E18, E19, E23, E24, E28	I.C. DEC 380	1909485	40
1	E9	I.C. DEC 319	1909704	39
1	E30	I.C. DEC 74157	1909936	38
4	E32, E35, E40, E45	I.C. DEC 7408	1910155	37
3	E38, E46, E47	I.C. DEC 74174	1909667	36
2	E36, E36	I.C. DEC 7474	1905547	35
3	E18, E19, E46	I.C. DEC 7584	1910393	34
12	E2, E3, E7, E10, E12, E15, E17, E29, E39, E6	I.C. DEC 8881	1909705	33
4	E33, E37, E42, E47	I.C. DEC 74123	1910436	32
1	E23	I.C. DEC 7420	1905577	31
1	E39	I.C. DEC 7400	1905575	30
2	E29, E43	I.C. DEC 7402	1909004	29
2	E26, E27	I.C. DEC 7492	1910046	28
1	R18	RES. 100 Ω 1/4 W 5%	1300229	27
4	R28, R29, R36, R43	RES. 300 Ω 1/4 W 5%	1300309	26
4	R3, R33, R40, R42	RES. 180 Ω 1/4 W 5%	1301322	25
25	R2-R9, R11, R17, R19, R26, R32, R37, R39, R44, R46, R47	RES. 1K 1/4 W 5%	1300365	24
1	R27	RES. 47K 1/4 W 5%	1302177	23
7	R10, R20, R22, R25, R28, R31	RES. 5.6K 1/4 W 5%	1301874	22
				21
1	C48	CAP. 15 PF 100V 5% DM	1000007	20
2	C42, C46	CAP. 330 PF 100V 5% DM	1000023	19
1	C43	CAP. 1800 PF 100V 5% DM	1002424	18
1	C47	CAP. 100 PF 100V 5% DM	1000016	17
1	C36	CAP. 270 PF 100V 5% DM	1000022	16
1	C39	CAP. 33 PF 100V 5% DM	1000009	15
1	C40	CAP. 97 PF 100V 5% DM	1000011	14
1	C45	CAP. 18 PF 100V 5% DM	1002608	13
2	C43, C41	CAP. 10 PF 100V 5% DM	1000006	12
1	C49	CAP. 27 PF 100V 5% DM	1001739	11
* 32	C1-C32	CAP. 22M5 50V-20% 870+180V	1010274-01	10
2	C33, C34	CAP. 6.8M5 35V 10% TANT	1005306	9
1	C37	CAP. 470 PF 100V 5% DM	1000054	8
				7
8		EXHIBIT (85-9-7) STANDARD	9006732	6
4		MODULE FAN-CAMP MOUNTING	9008357-06	5
1		STANDARD CIRCUIT BOARD	9003990	4
REF		MODULE PCB HISTORY	8401-17257-0-6	3
REF		ASSIGNMENT AND CIRCUIT	8401-17257-0-5	2
REF		X-Y COORDINATE AND LOCATION	8401-17257-0-4	1

IC TYPE	GND	+5V
I.C. DEC 319	1	8
I.C. DEC 7487	8	16
I.C. DEC 7416	8	16
I.C. DEC 8242	8	16
I.C. DEC 380	1	8

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

IC PIN LOCATIONS

FIRST USED ON OPTION MODEL
RK11-D

ETCH BOARD REV B

ORIGINATOR: [Signature]
 CHANGE NO. [Blank]
 REVISIONS: [Blank]

DEC NO. [Blank] EIA NO. [Blank] DEC NO. [Blank] EIA NO. [Blank]

SEMICONDUCTOR CONVERSION CHART

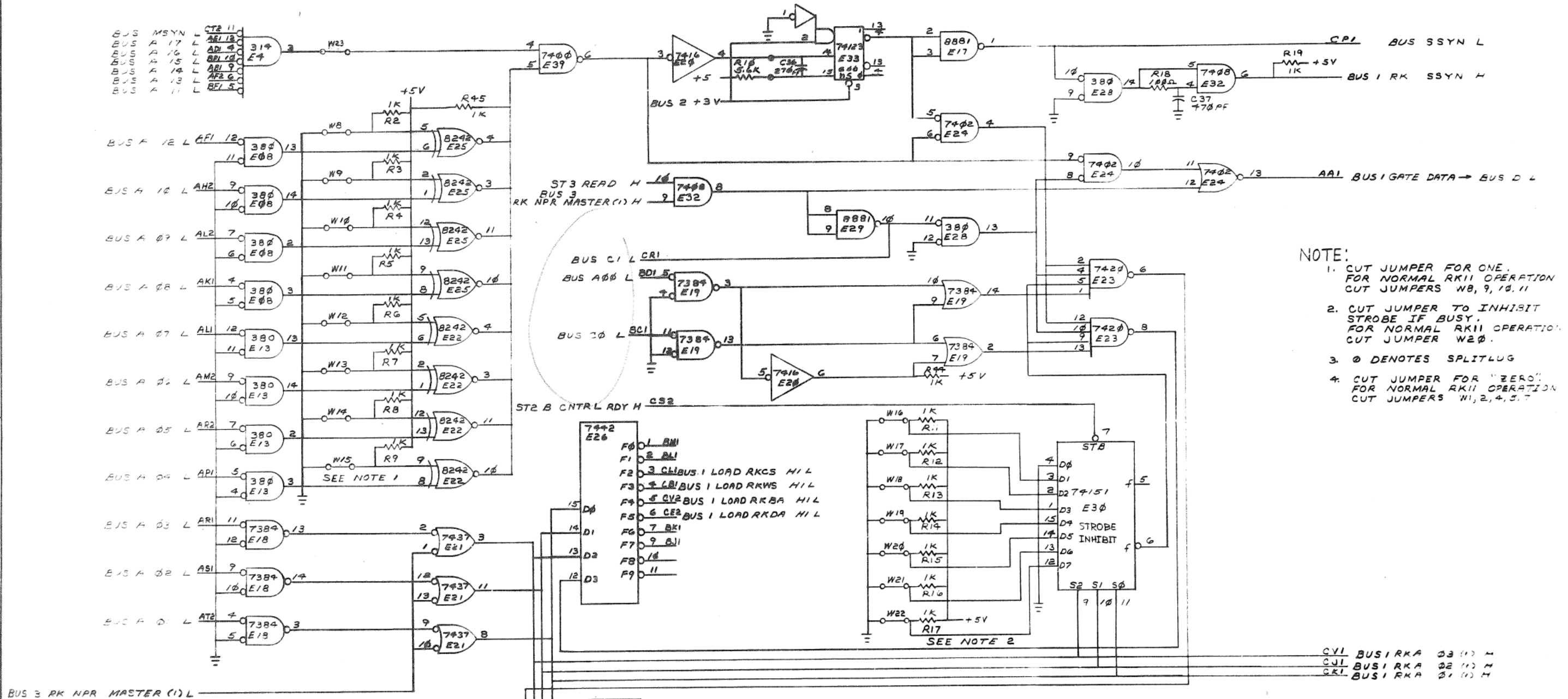
DATE: 12/22/72
 TITLE: BJS CONTROL RK11-D
 SCALE: 100%
 SHEET 2 OF 2

digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

SIZE CODE: DCS NUMBER: M7257-0-1 REV: E

DEC FORM NO. 1162

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NOTE:
 1. CUT JUMPER FOR ONE, FOR NORMAL RK11 OPERATION CUT JUMPERS W8, 9, 10, 11
 2. CUT JUMPER TO INHIBIT STROBE IF BUSY, FOR NORMAL RK11 OPERATION, CUT JUMPER W20.
 3. 0 DENOTES SPLITLUG
 4. CUT JUMPER FOR "ZERO", FOR NORMAL RK11 OPERATION CUT JUMPERS W1, 2, 4, 5, 7

7442 E26
 F0 1 BN
 F1 2 BL
 F2 3 CH BUS 1 LOAD RKCS HIL
 F3 4 CL BUS 1 LOAD RKWS HIL
 F4 5 CV2 BUS 1 LOAD RKBA HIL
 F5 6 CE2 BUS 1 LOAD RKDA HIL
 F6 7 BK
 F7 9 BJ
 F8 10
 F9 11

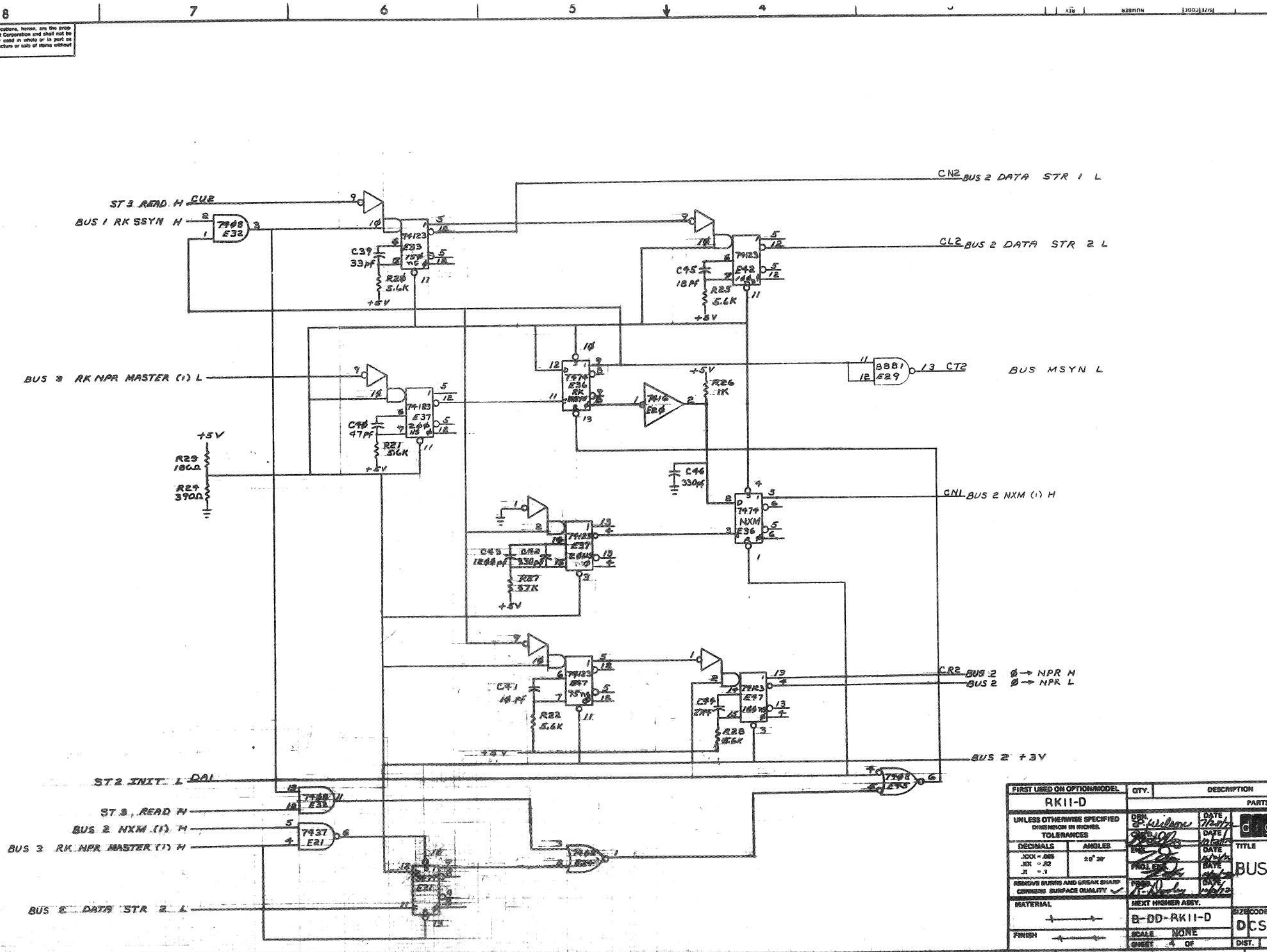
7442 E27
 F0 1 CE1
 F1 2 CD2
 F2 3 CM BUS 1 LOAD RKCS LO L
 F3 4 CF1 BUS 1 LOAD RKWC LO L
 F4 5 CH2 BUS 1 LOAD RKBA LO L
 F5 6 CE2 BUS 1 LOAD RKDA LO L
 F6 7 BN
 F7 9 BH
 F8 10
 F9 11

CVI BUS 1 RKA 03 (1) L
 CUI BUS 1 RKA 02 (1) H
 CKI BUS 1 RKA 01 (1) H

REVISIONS
 CHANGE NO
 REV

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XX - .005	10' 30'	BUS CONTROL		
.X - .1		(BUS 1)		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
FINISH				
NEXT HIGHER ASSY.		SIZE CODE	NUMBER	REV
B-DD-RK11-D		DCS	M7257-0-1	B
SCALE NONE		SHEET	3 OF	
DIST.				

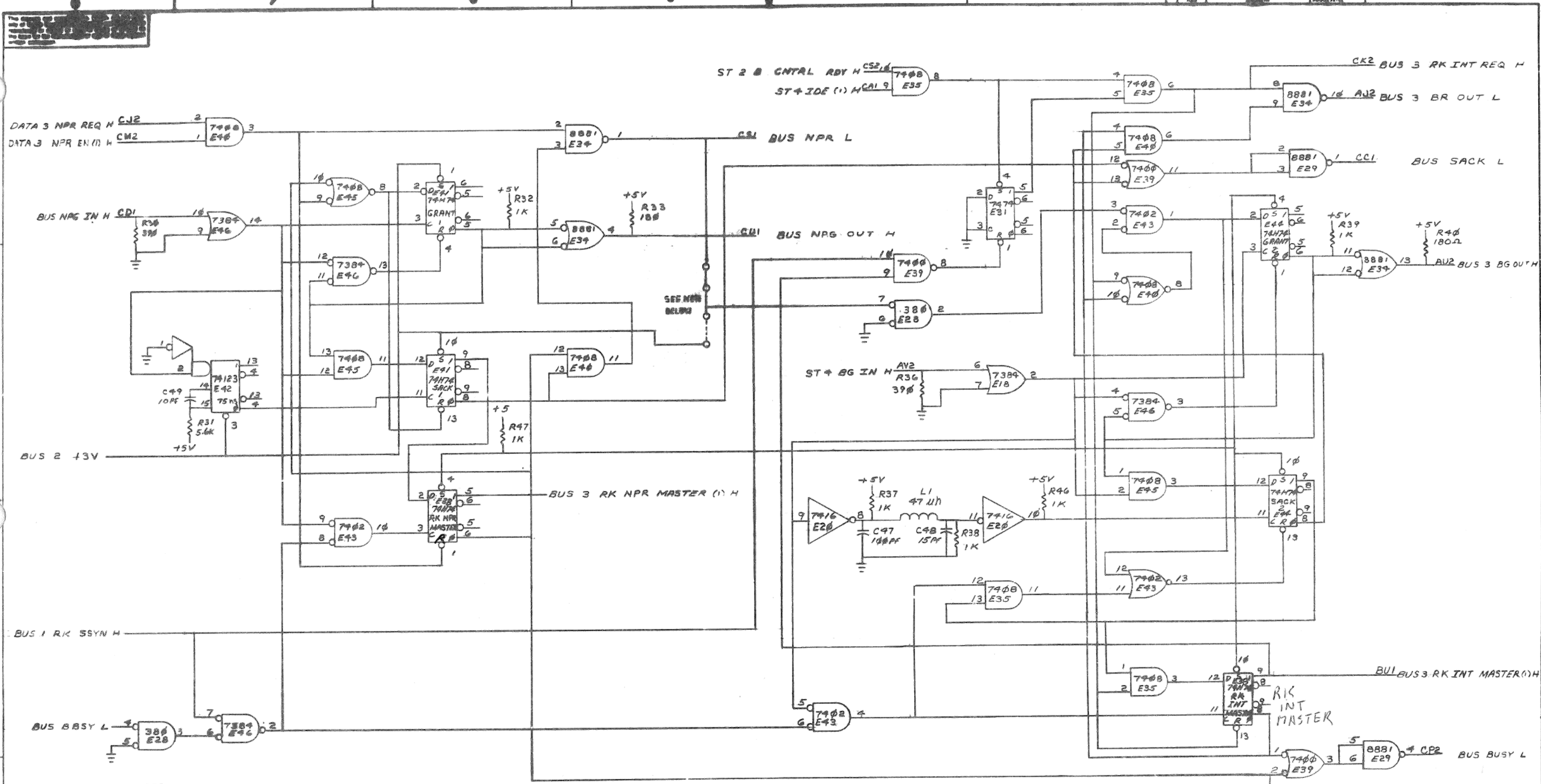
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REV	
CHANGE NO	
DATE	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	DATE	TITLE	
JDK = .005	20° 30'	DATE	BUS CONTROL	
JX = .02		DATE	(BUS 2)	
JZ = .1		DATE	MATERIAL	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	NEXT HIGHER ASSY.	
		DATE	B-DD-RK11-D	
FINISH		SCALE	SIZE CODE NUMBER	
		NONE	DCS M7257-0-1	
		SHEET	DIST.	
		4 OF		

SIZE CODE NUMBER
 DDC M7257-0-1



NOTE:
 FOR NORMAL OPERATION E28-07 IS CONNECTED TO BUS NPR. IN 11/15 OR 11/20 SYSTEMS WITHOUT KH-11 OPTION, E28-07 MUST INSTEAD BE CONNECTED TO +3V FOR PROPER UNIBUS OPERATION. THE CHANGE IS MADE AS FOLLOWS:
 Q: CUT ETCH SIDETWO BETWEEN THE FEED THRU THAT GOES TO E28-07 AND E34-01.
 S: ADD A WIRE FROM THE FEED THRU THAT GOES TO E34-01 TO THE FEED THRU THAT GOES TO E28-07.

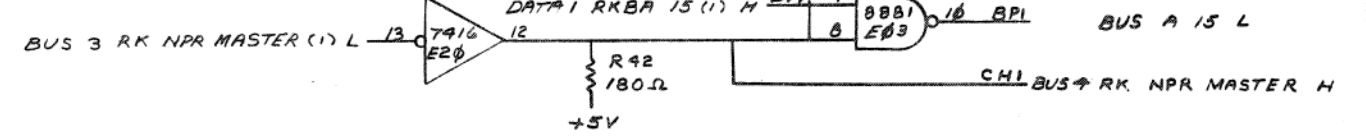
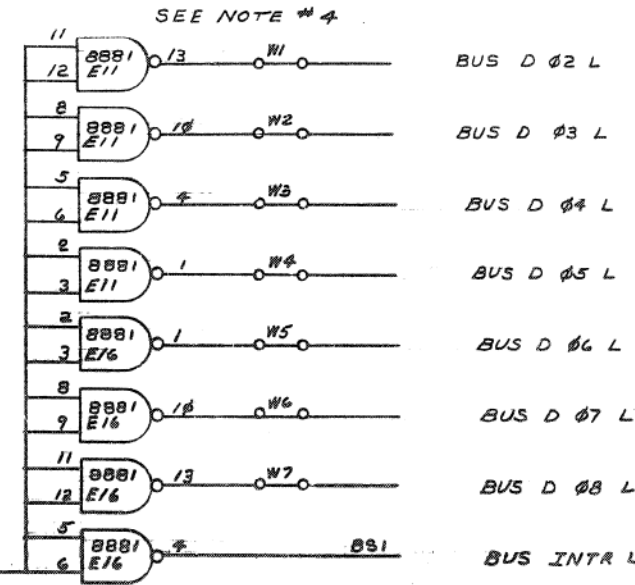
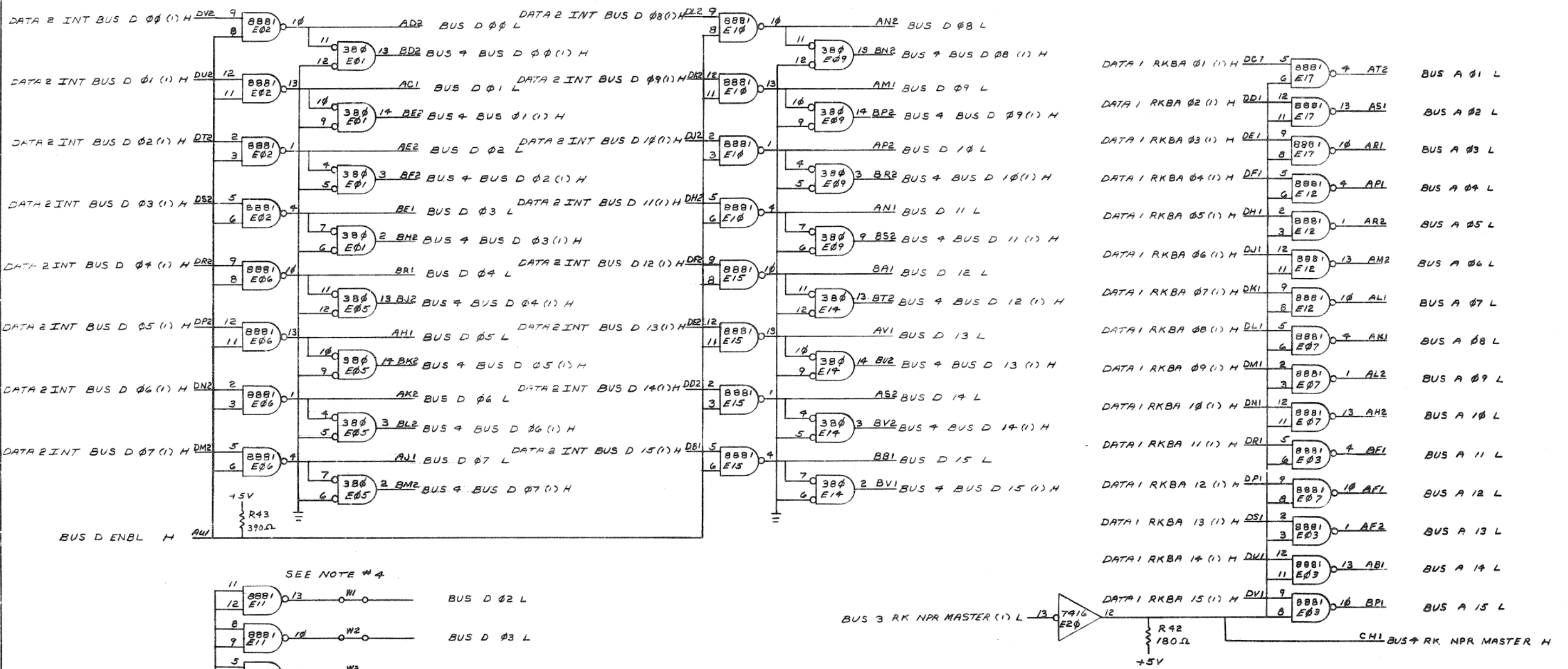
NPR
 NAG
 SACK
 BBSY

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>G. Wilson</i>	DATE <i>7/05/78</i>	EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .XXX = .008	ENG. <i>[Signature]</i>	DATE <i>7/20/78</i>	TITLE	
ANGLES ±0° 30'	PROJ. <i>[Signature]</i>	DATE <i>7/20/78</i>	BUS CONTROL (BUS 3)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROB. <i>[Signature]</i>	DATE <i>7/20/78</i>	MATERIAL	
	NEXT HIGHER ASSY.		B-DD-RK11-D	
FINISH	SCALE NONE		SIZE CODE	NUMBER
	SHEET 5 OF		D	DCSM7257-0-1
			DIST.	

REV	CHANGE NO

REV D
 NUMBER DCSM7257-0-1
 SIZE CODE

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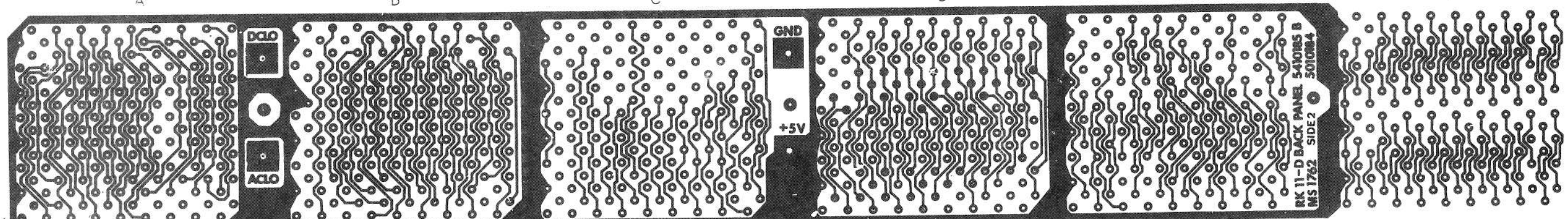
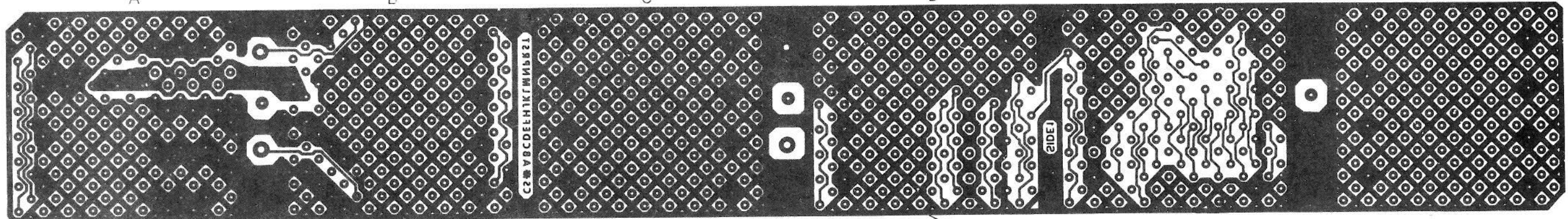
REV	CHANGE NO	DESCRIPTION

DEC 10 1968
ORD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
TOLERANCES		TITLE		
DECIMALS	ANGLES	BUS CONTROL		
.XXX - .000	20° 30'	(BUS 4)		
.XX - .02		NEXT HIGHER ASSY.		
.X - .1		B-DD-RK11-D		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SCALE NONE		
MATERIAL		SHEET 6 OF		
FINISH		DCS M7257-0-1		
		DIST.		

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DIGITAL EQUIPMENT CORPORATION



REVISIONS	NO.	DATE	BY
CHG	1		
ORIGINATED			

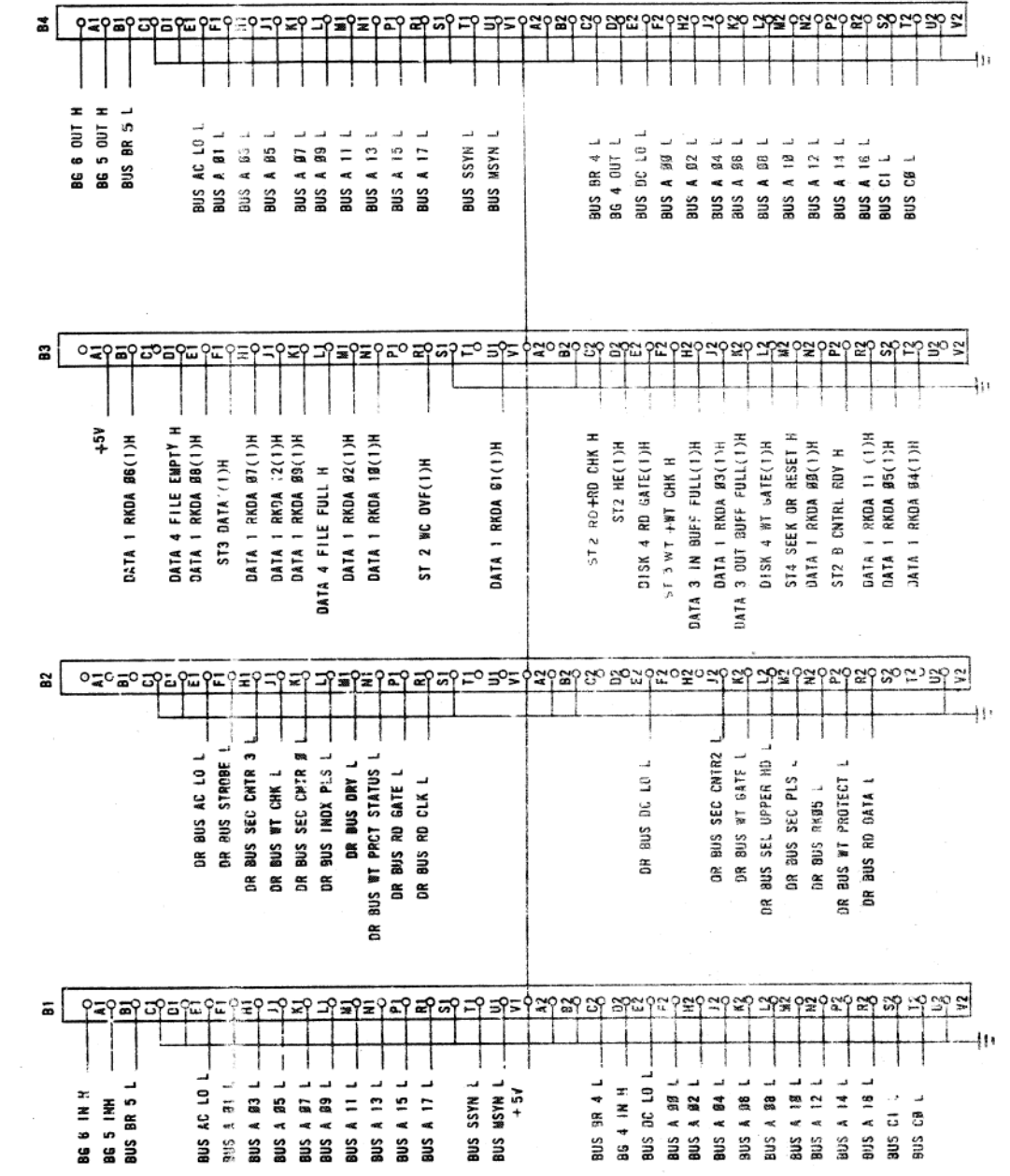
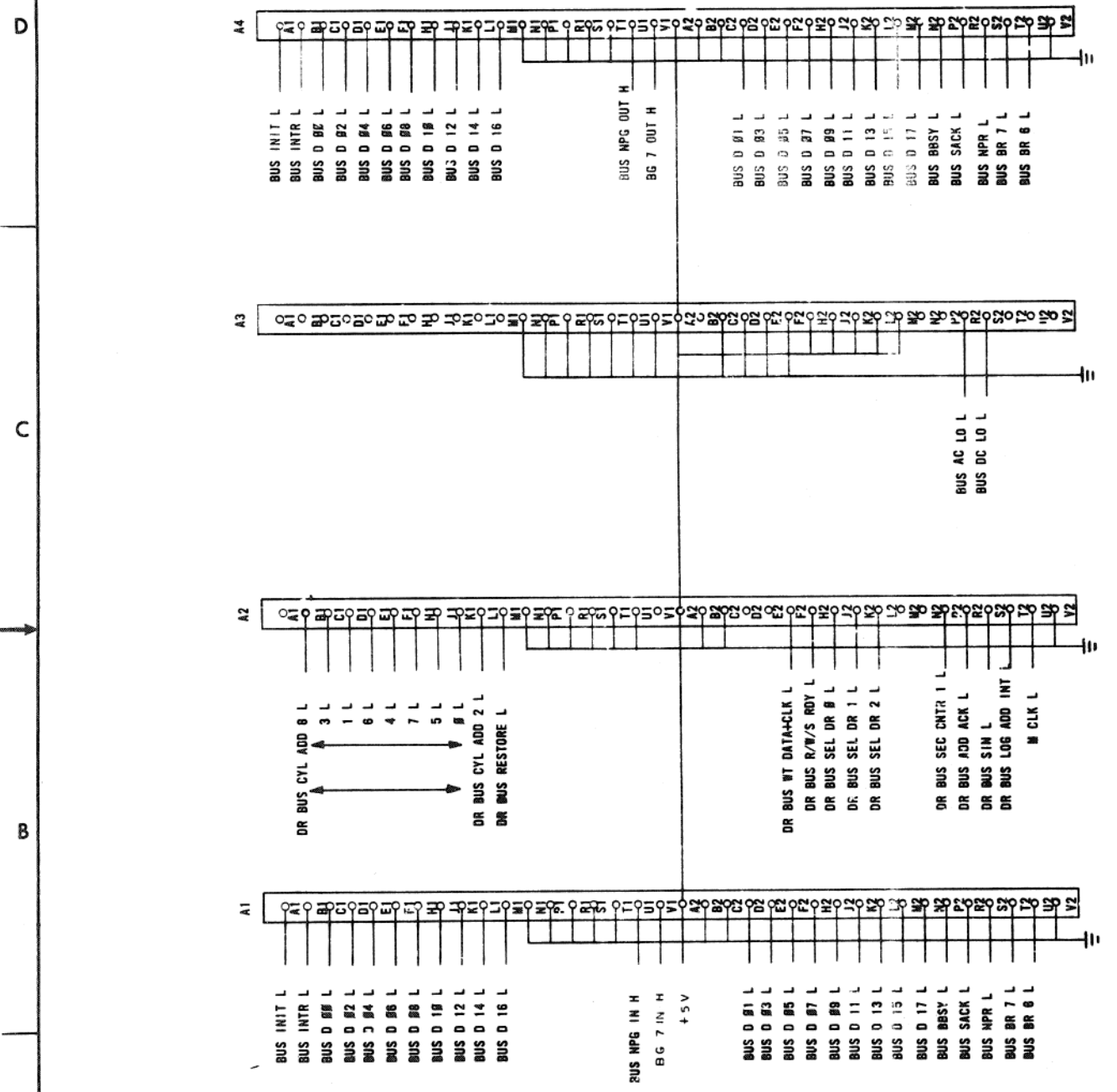
ETCH REV		PARTS LIST	
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO. ITEM NO.
RK11-D			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. DATE	digital EQUIPMENT CORPORATION	
DECIMALS	ANGLES	TITLE	
.XX - .008	±0° 30'	CIRCUIT SCHEMATIC (RK11-D)	
.X - .02		NEXT HIGHER ASSY.	
.X - .1		B-DD-RK11-D	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SCALE	SIZE CODE
		SHEET OF	DIST. NUMBER
			DCS 541017-G

DTC FORM NO. 010 100-A

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DIGITAL EQUIPMENT CORPORATION

REV 2
 NUMBER B-00-RK11-D-3
 SIZE CODE D1C

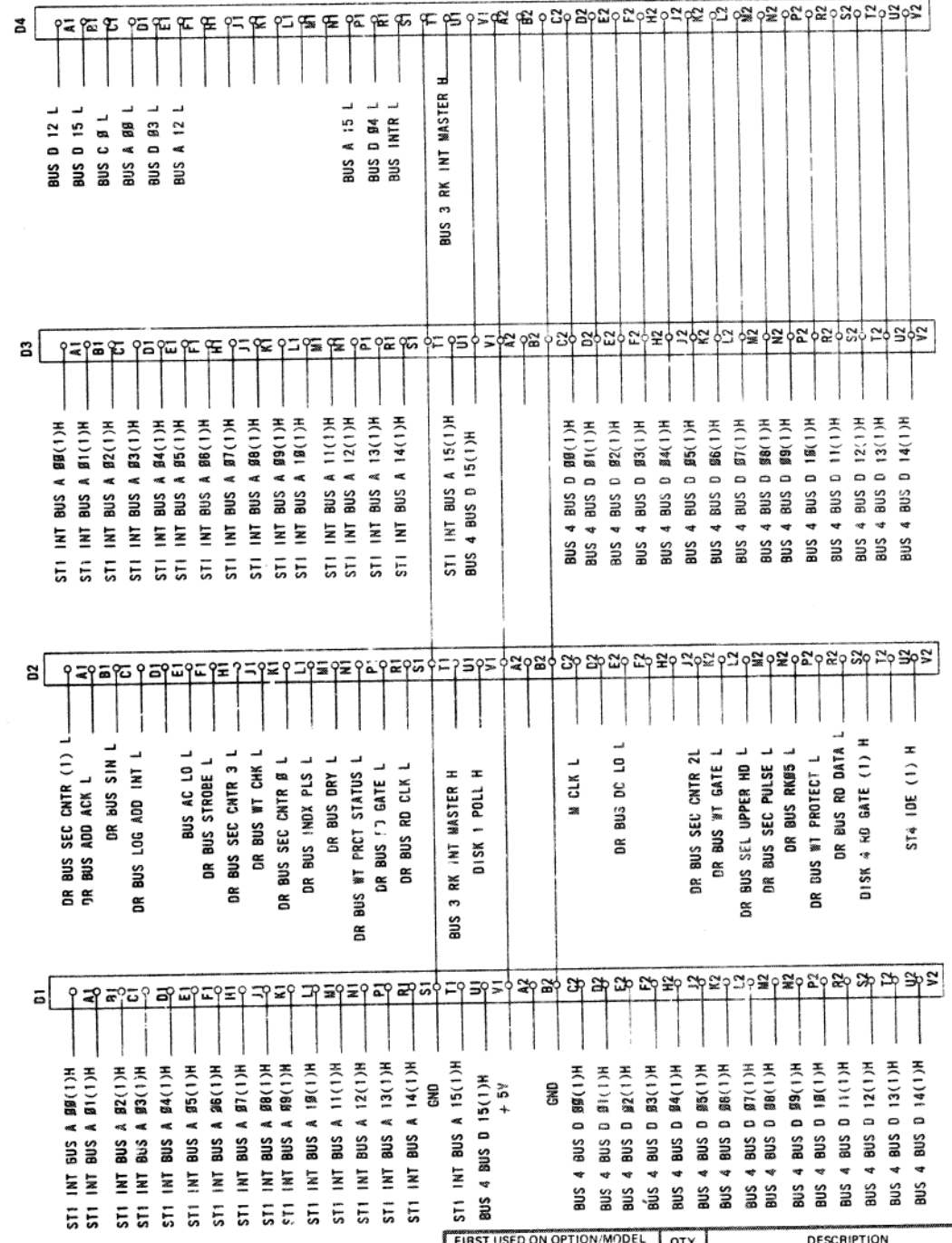
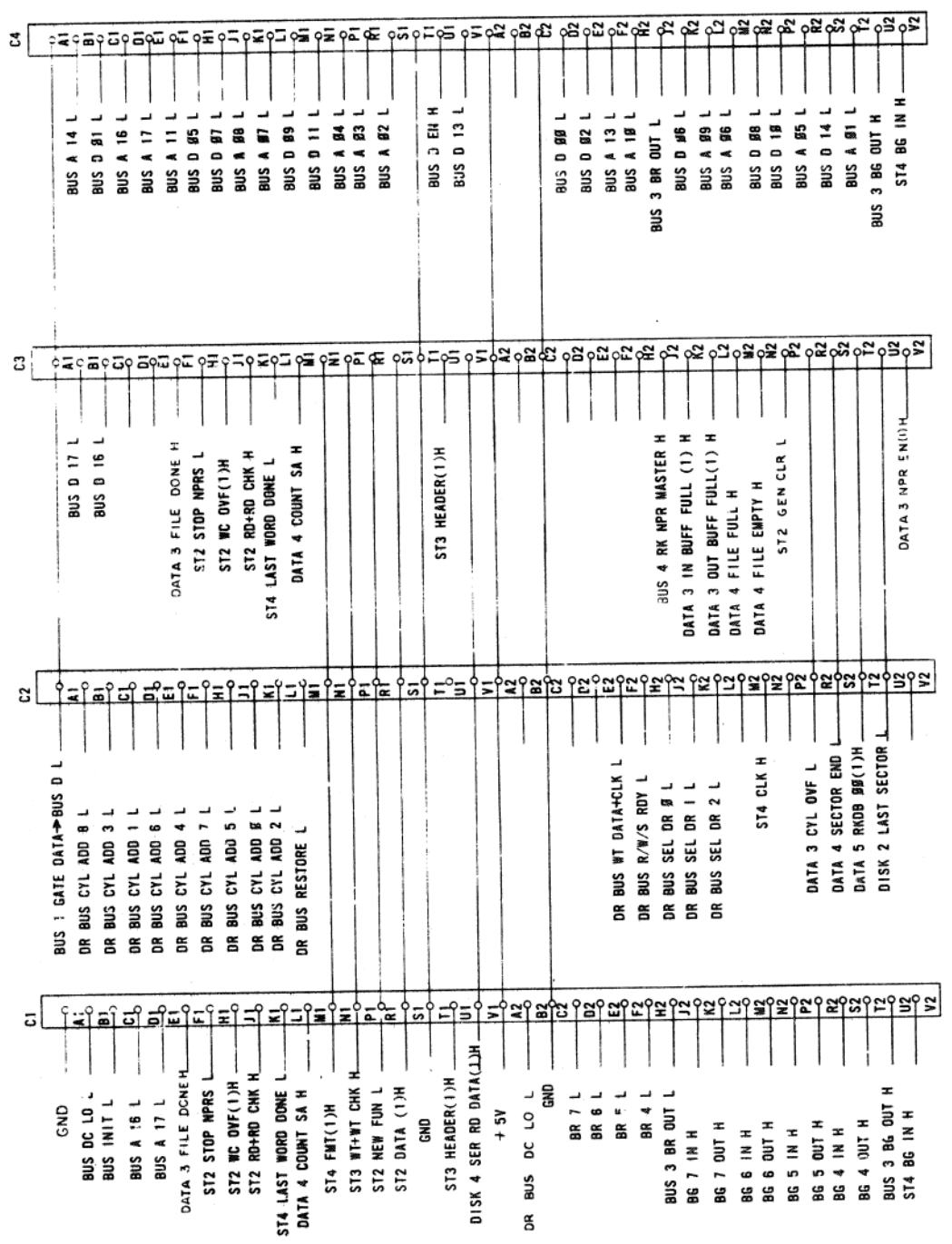


REV	CHANGE NO.

FIRST USED ON OPTION/MODEL RK11-D	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DATE 9-20-70	PARTS LIST		
DECIMALS	ANGLES	TITLE		
XXX - .008	±0.25°	RK11-D BACKPANEL		
XX - .02				
X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	DATE 11/18/70			
MATERIAL	NEXT HIGHER ASSY.	SIZE/CODE	NUMBER	REV
		B-00-RK11-D	D1C	RK11-D-3
FINISH	SCALE	SHEET	OF	DIST
		2	OF	

REV 2
 NUMBER B-00-RK11-D-3
 SIZE CODE D1C

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REVISIONS

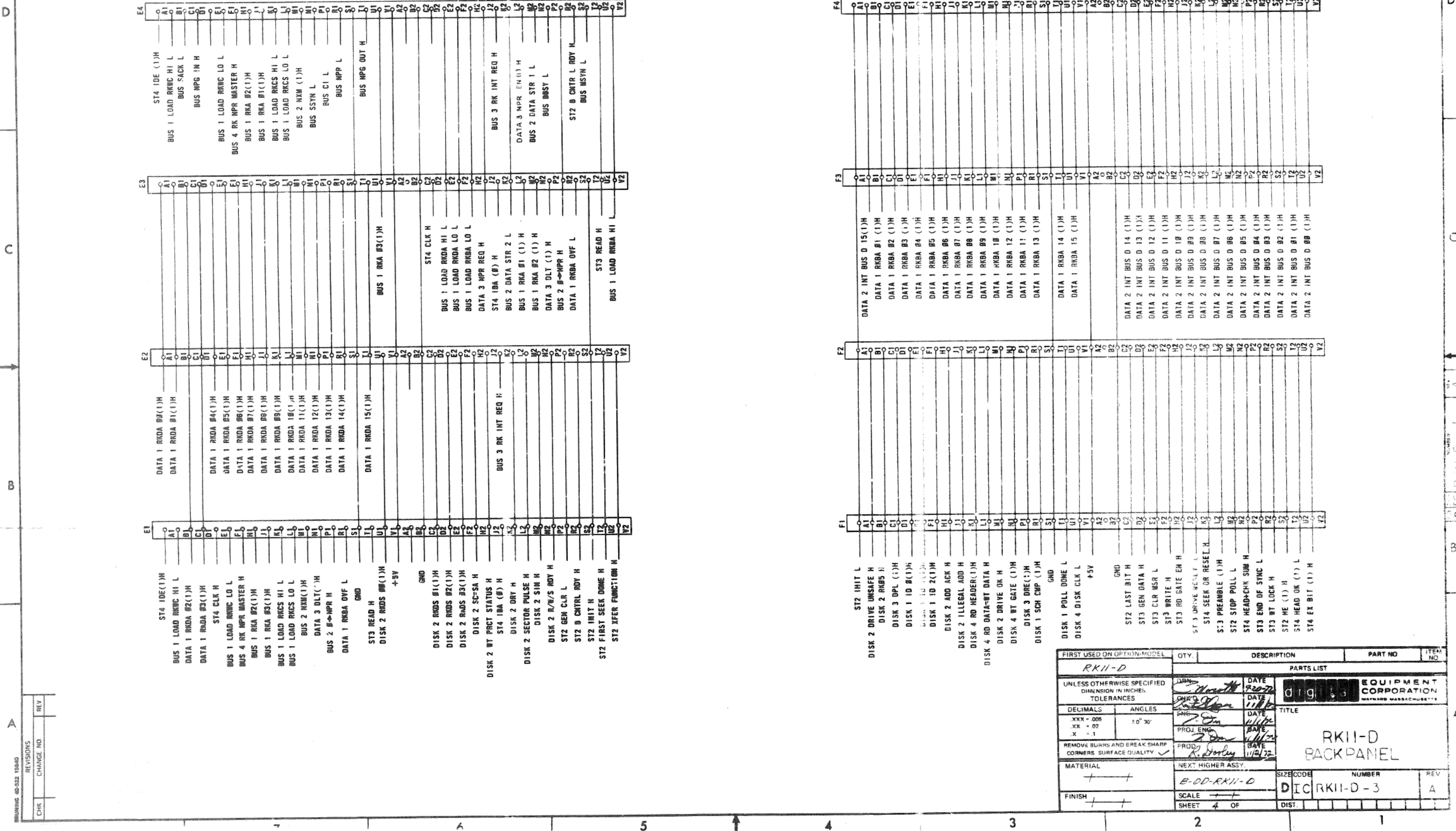
REV	CHANGE NO

FIRST USED ON OPTION/MODEL RK11-D	QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRM DATE 9-20-78			
DECIMALS .XXX - .005 .XX - .02 X - .1	ENG DATE 11/1/78			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ DATE 11/1/78	TITLE <h2 style="text-align: center;">RK11-D BACKPANEL</h2>		
MATERIAL	NEXT HIGHER ASSY.			
FINISH	SCALE	SIZE CODE DIC	NUMBER RK11-D-3	REV C
	SHEET 3 OF	DIST.		

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2 D I C R K I I - D - 3



CHK	CHANGE NO	REV

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
RKII-D				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XXX = .005	±0° 30'	RKII-D BACKPANEL		
.XX = .02				
.X = .1				
REMOVE BLAIRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY			
FINISH	SCALE			
	SHEET 4 OF			

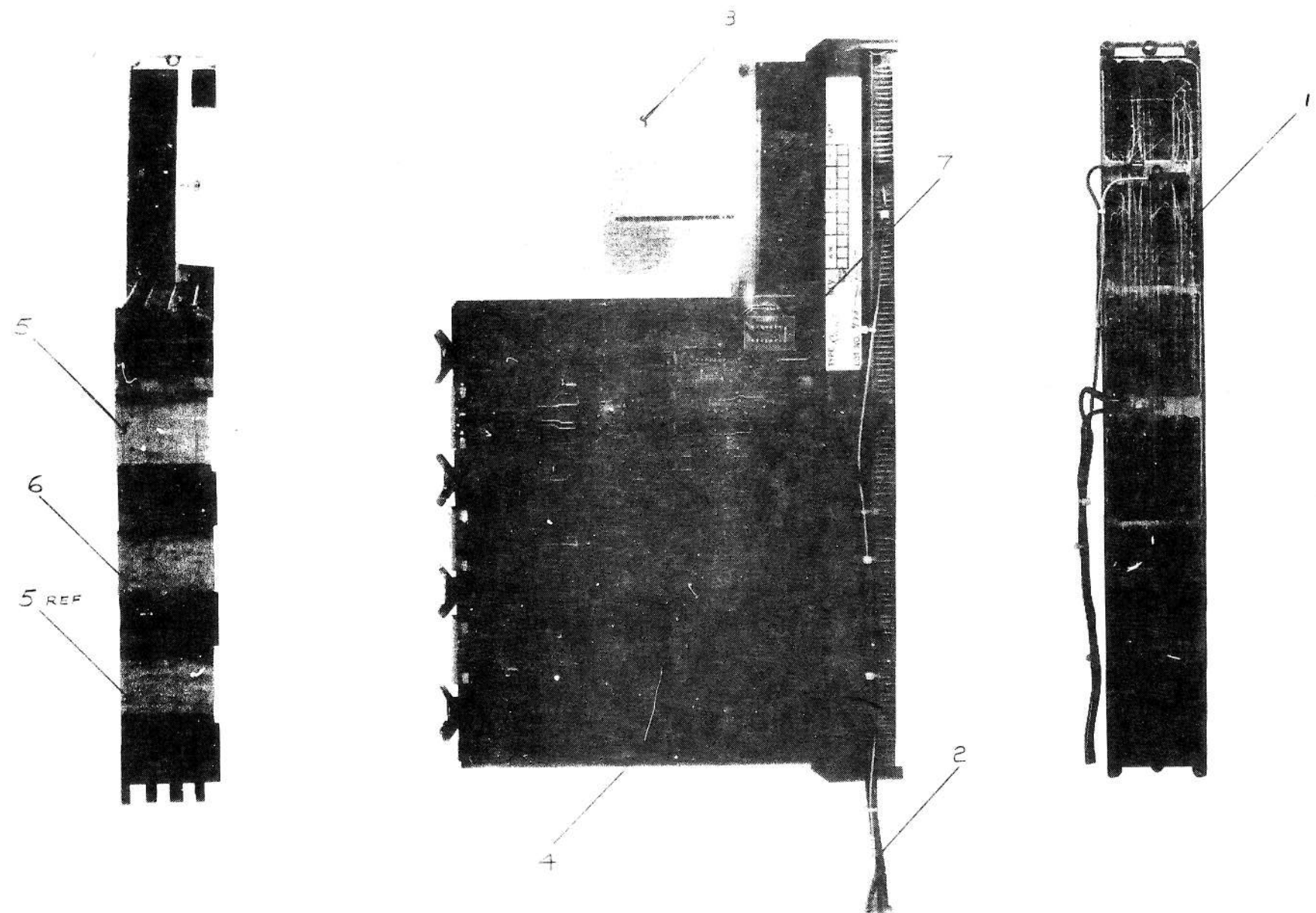
D I C R K I I - D - 3

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1	TO	+5
2	DC	0
3	AC	0
4	GND	0
5	+5V	0

OPTION	VARIATION
RKII-D	DISK CONTROL
RKII-E	DISK CONTROL
RKII-DE	RKII-D WITH RK05-DE
RKII-DF	RKII-D WITH RK05-DF
RKII-DH	RKII-D WITH RK05-DH
RKII-DJ	RKII-D WITH RK05-DJ

- NOTES:
- ITEM 17 IS MADE UP OF ITEMS 1 THRU 8 AND 10 THRU 12.
 - USE RKII-D OPTION HARNESS 7009559 IN 11/40 SYSTEMS WITH S/N GREATER THAN 6000 AND 11/45 SYSTEMS WITH S/N GREATER THAN 2000. OLDER MACHINES REQUIRE RKII-D POWER HARNESS 7008992. PDP 11/20 AND PDP 11/15 SYSTEMS AND BAI-ES BOXES USE NO POWER HARNESS OTHER THAN THAT SUPPLIED INTERNAL TO THE BOX. BAI-D BOXES REQUIRE RKII-D POWER HARNESS 7008992.
 - ITEM 8 OR 9 IS INSTALLED ON THE M7255 MODULE DURING SYSTEM INTEGRATION



RKII-DJ	RKII-DH	RKII-DF	RKII-DE	RKII-E	RKII-D	DESCRIPTION	PART NO.	ITEM NO.
						DISK CONTROL	RKII-D	17
						TALL CAB, 861, RK05 115V 60HZ	RK05-DE	16
						TALL CAB, 861, RK05 230V 60HZ	RK05-DF	15
						TALL CAB, 861, RK05 115V 50HZ	RK05-DH	14
						TALL CAB, 861, RK05 230V 50HZ	RK05-DJ	13
						INTERNAL BUS CONNECTOR	C-CS-M920-0-1	12
						BUS TERMINATOR	C-CS-M930-0-1	11
						MAINT MODULE OVERLAY/RKII-D ASSY	18-10699-4	10
						3.070 MHZ CRYSTAL	18-10699-4	9
						2.880 MHZ CRYSTAL	18-10699-3	8
						PRIORITY PLUG LEVEL 5	5908778	7
						MODULE CLAMPS WITHOUT SEPARATOR	12-09856-2	6
						MODULE CLAMPS WITH SEPARATOR	12-09856-1	5
						MODULE UTILIZATION	D-MU-RKII-D-1	4
						CABLE 15 FT	D-UA-FCUM-15	3
						OPTION HARNESS	D-IA-7009559-04	2
						WIRED ASSY	C-IA-7009142-03	1

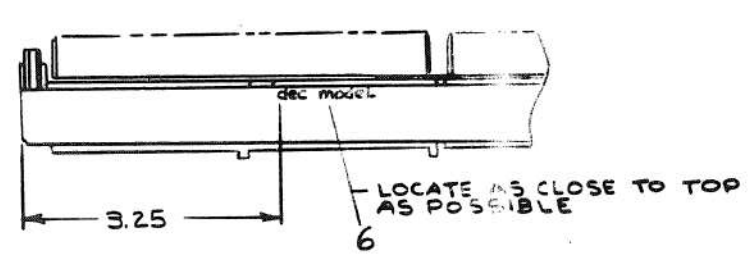
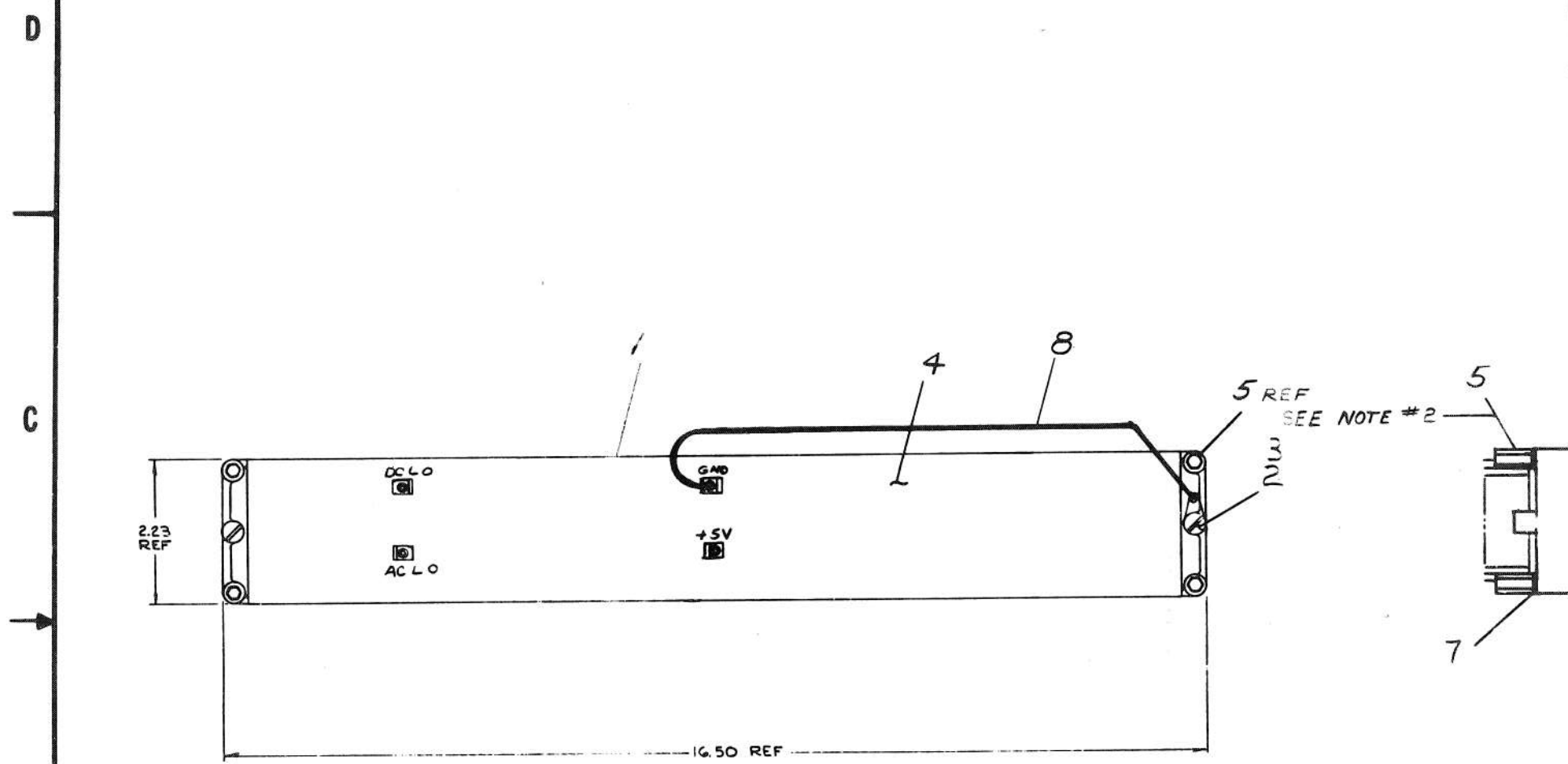
1	DRN	10/17/72
2	CHKD	11/11/72
3	ENG	11/17/72
4	PROJ. ENG	11/17/72
5	PROB	11/27/72

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DATE 10/17/72		
DECIMALS .XXX - .005	ANGLES ±0° 30'	DATE 11/11/72	TITLE	
.XX - .02		DATE 11/17/72	DISK CONTROL	
.X - .1		DATE 11/17/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE 11/27/72		
MATERIAL	NEXT HIGHER ASSY.	SCALE NONE	SIZE CODE	NUMBER
	B-DD-RKII-D	SHEET 1 OF 1	DUA	PKII-C-0
FINISH			DIST.	REV B

NUMBER REV B
 SIZE CODE DUA
 PART NO. PKII-C-0
 REV B

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- NOTES:
1. USE YELLOW WIRE ITEM #4 FOR MACHINE WRAPPED.
 2. INSTALL STAND-OFFS (ITEM #5) BEFORE AWT.
 3. FOR CIRCUIT SCHEMATIC REFER TO D-CS-5410185-0-1
 4. INSTALL GROUND CABLE (ITEM #8) AFTER AWT.



1	GROUND CABLE	CIA-7009378-0-0	8
4	LOCKWASHER #6 EXT TOOTH	9007649	7
1	DECAL LOGIC SERIAL NUMBER	A-55-740789-00	6
4	STAND-OFF JAN #176 B	9009120-1	5
A/R	#30 SOLID CONDUCTOR KYNAR	9105740-99	4
2	SCR CAPTIVE(8-32X1.78)	9008157	3
2	RETAINING RING	9009316-1	2
1	BACK PANEL (RK11-D)	D-IA-700913100	1

REV.	A
DATE	11-12-73
BY	R. Come
CHK'D	
ENG.	
PROJ. ENG.	
PROD.	

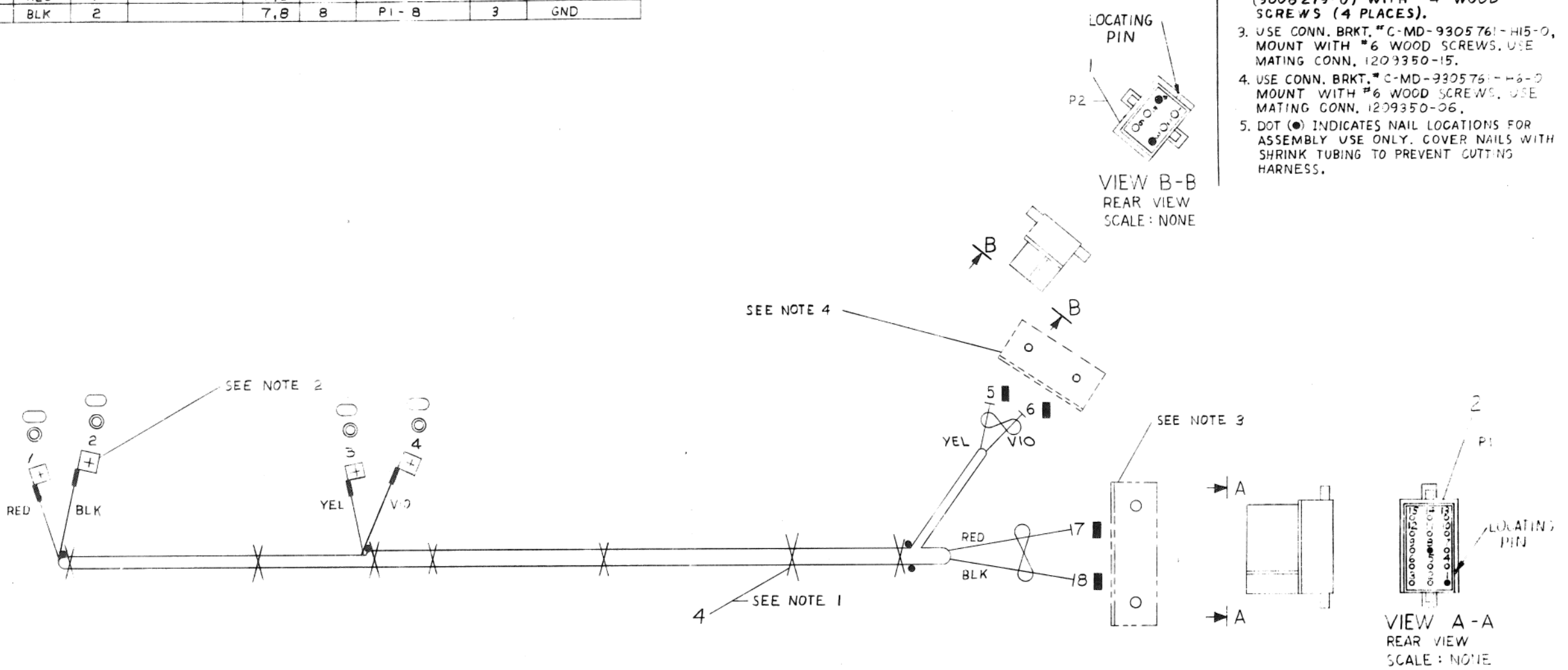
FIRST USED ON OPTIGN/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DBN. <i>G. Wilson</i>	DATE 9/25/72	 digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
DECIMALS	ANGLES	CHK'D <i>[Signature]</i>	DATE 10/1/72	
.XXX = .005	±0° 30'	ENG. <i>[Signature]</i>	DATE 10/2/72	
.XX = .02		PROJ. ENG. <i>[Signature]</i>	DATE 11/1/72	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROD. <i>R. Donley</i>	DATE 11/2/72	TITLE WIRED ASS'Y (RK11-D)
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE NUMBER REV.		
	B-DD-RK11-D	CIA 7009142-0-0 A		
FINISH	SCALE	DST. ✓		
	SHEET 1 OF 1			

NUMBER
 7009142-0-0
 CODE
 CIA

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WIRE TABLE										
ITEM NO	DESCRIPTION			FROM			TO			SIGNAL
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM		
6	#18	YEL	3		7,8	5	P2-4	3	AC LO	
TWP	#18	VIO	4		7,8	6	P2-3	3	DC LO	
5	#14	RED	1		7,8	7	P1-1	3	-5	
TWP	#14	BLK	2		7,8	8	P1-8	3	GND	

- NOTES:
- USE TIE WRAPS (X) ITEM #4 APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY, AND AT EVERY BREAKOUT POINT.
 - ATTACH MALE FASTON DEC # (3008219-0) WITH #4 WOOD SCREWS (4 PLACES).
 - USE CONN. BRKT. # C-MD-9305761-H15-0, MOUNT WITH #6 WOOD SCREWS, USE MATING CONN. 1209350-15.
 - USE CONN. BRKT. # C-MD-9305761-H6-0 MOUNT WITH #6 WOOD SCREWS, USE MATING CONN. 1209350-06.
 - DOT (●) INDICATES NAIL LOCATIONS FOR ASSEMBLY USE ONLY. COVER NAILS WITH SHRINK TUBING TO PREVENT CUTTING HARNESS.



○	A/R TUBING, SHRINKABLE 3/16ID X 9/16	9107305-02	8
○	4 CONN, SOLDERLESS	3003262-00	7
	A/R WIRE #13 AWG TWP YEL/VIO	3107430-47	6
	A/R WIRE #14 AWG TWP BLK/RED	3107440-02	5
X	A/R WRAP, TIE	9007031	4
■	4 PIN, MALE	1209378-01	3
	1 HOUSING, CONN. 15 PIN	1209351-15	2
	1 HOUSING, CONN. 6 PIN	1209351-06	1

FIRST USED ON OPT / MCD	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK11-D				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>B. Blodgett</i>	DATE 9-29-73	digital EQUIPMENT CORPORATION	
TOLERANCES	CHK'D. <i>D. ...</i>	DATE 9/29/73	TITLE	
DECIMALS .xxx = .005	ENG. <i>D. ...</i>	DATE 9/11/73	OPTION HARNESS	
ANGLES 10' 30"	PROJ. ENG.	DATE 9/11/73	RK11-D	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V	PROD. <i>...</i>	DATE 10/11/73	SIZE CODE	
MATERIAL	NEXT HIGHER ASSY.		D 1A 7009554-000	
SEE PARTS LIST			SCALE 1/1	
FINISH			SHEET 1 OF 1	

DO NOT REDUCE
DO NOT BUILD FROM REDUCED PRINT

CAUTION - DRAWING SIZE AND SCALE REDUCED FOR MICROFILM NOT TO BE USED FOR PRODUCTION

REV	CHANGE NO

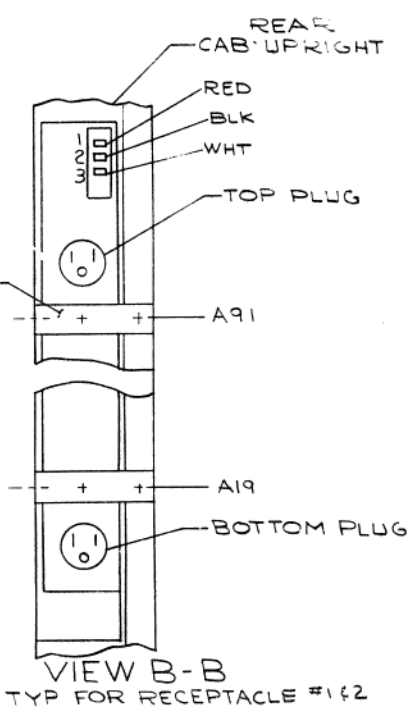
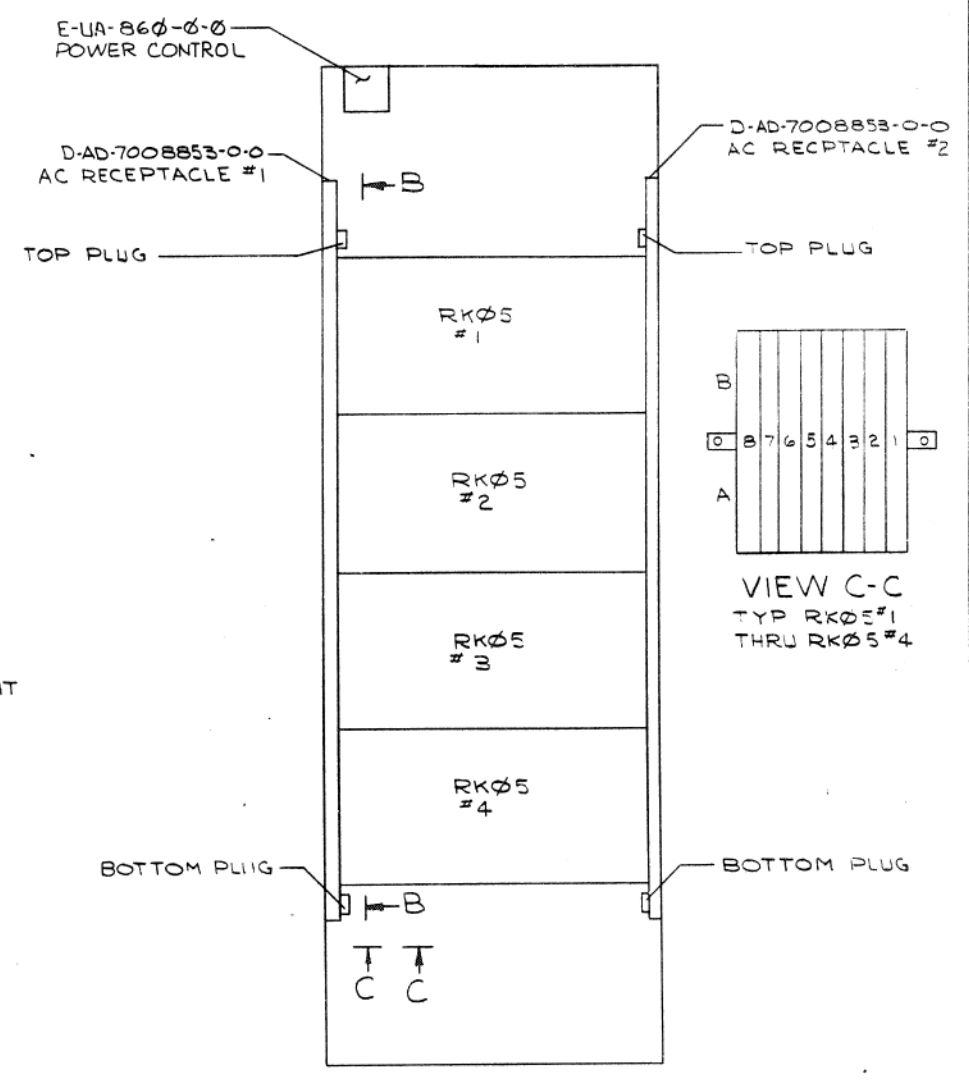
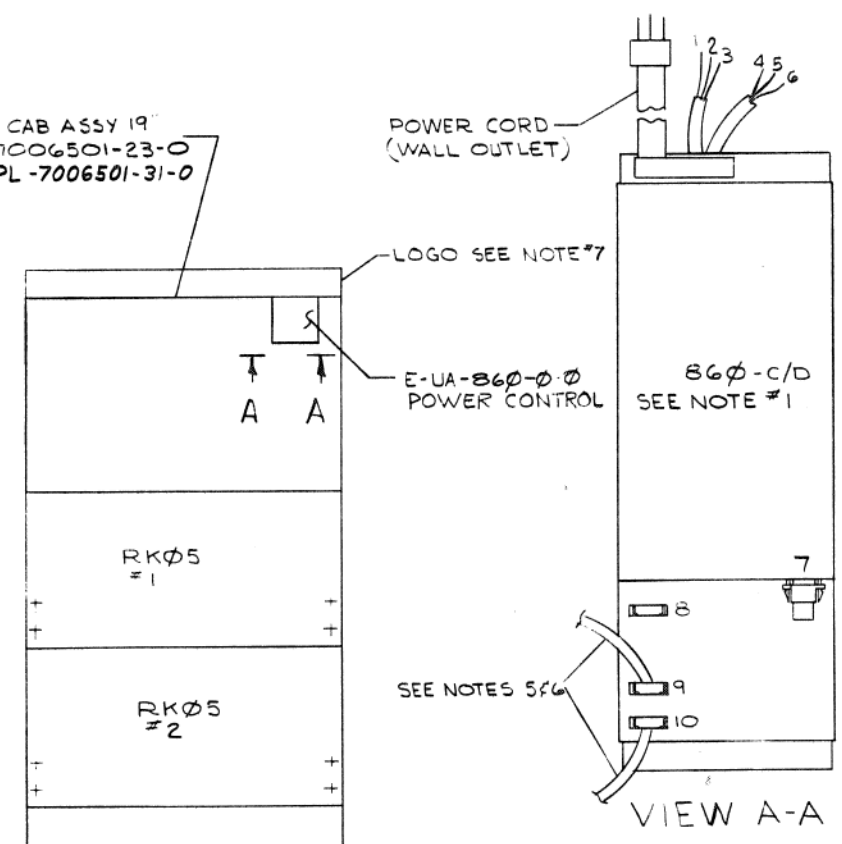
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NOTES:

- 1) TO REWORK 860-A & B TO 860-C & D REFER TO DRAWING E-UA-860-B-0.
- 2) IF LESS THAN 4 DRIVES, THE M330 MODULE IS MOVED TO THE LAST DRIVE ON THE BUS IN THE SLOT NORMALLY OCCUPIED BY THE OUTCOMING BC11A CABLE.
- 3) IF MORE THAN 4 DRIVES, EACH WILL BE CONFIGURED SIMILARLY IN A SECOND CAB.
- 4) AS REQUIRED BY CONTROLLER, THE INCOMING CABLE TO RK05 #5 MAY COME DIRECTLY FROM A DISK CONTROL OR FROM THE SLOT NORMALLY OCCUPIED BY THE M330 IN RK05 #4. (SEE NOTE #2). POWER AND CABLING INFORMATION ALSO APPLY TO CAB #2.
- 5) IN A SYSTEM USING PDP-11/15, 11/20, OR PDP-8 PROCESSORS AND IF 860 OR 861 POWER CONTROL IS FIRST IN THE CHAIN OF POWER CONTROLS, CONNECT P1 OF CABLE #7008964 TO POWER CONTROL AND P2 OF 2 CABLE #7008964 TO H720-E/F IN THE PROCESSOR. DO NOT USE ANY OTHER JUMPER PLUG IN THE PROCESSOR POWER SUPPLY. IN ALL OTHER SITUATIONS USE CABLE #7008288 FOR INTERCONNECTIONS.
- 6) PLUGS 8, 9 AND 10 ARE WIRED IN PARALLEL. USE ANY PLUGS AS REQUIRED. NO JUMPER PLUG IS REQUIRED ON THE 860 OR 861 POWER CONTROL.
- 7) USE BLANK LOGO, COLOR TO COINCIDE WITH PRODUCT LINE.
- 8) TO MOUNT CHASSIS SLIDES ON RACK USE MOUNTING HARDWARE KIT #7009276 OR ITEMS.
 1. TINNEMAN NUT #9007786
 2. #10-32 PHL TRUSS #9006074-3
 3. #10 EXTERNAL TOOTH #9007651
 WASHER
 LOCATION OF MOUNTING HOLES TO BE AS FOLLOWS: STARTING FROM BOTTOM OF RACK HOLE NUMBERS FOR FRONT AND REAR, LEFT AND RIGHT

21, 24
39, 42
57, 60
75, 78
- 9) USE THE PRE-FOLDED CREASES ON THE DISK BUS CABLE FOR CLAMPING. DO NOT PULL THE CABLE TIGHT AGAINST PRE-FILTER. LEAVE SERVICE LOOP SO THAT HAND CAN FIT BETWEEN THE CABLE AND FILTER.
- 10) RK05'S PLUG INTO SWITCHED AC OUTLETS ONLY.

BASIC CAB ASSY 19"
C-PL-7006501-23-0
OR C-PL-7006501-31-0



CONFIGURATION WITH 860 POWER CONTROL

FRONT VIEW

REAR VIEW

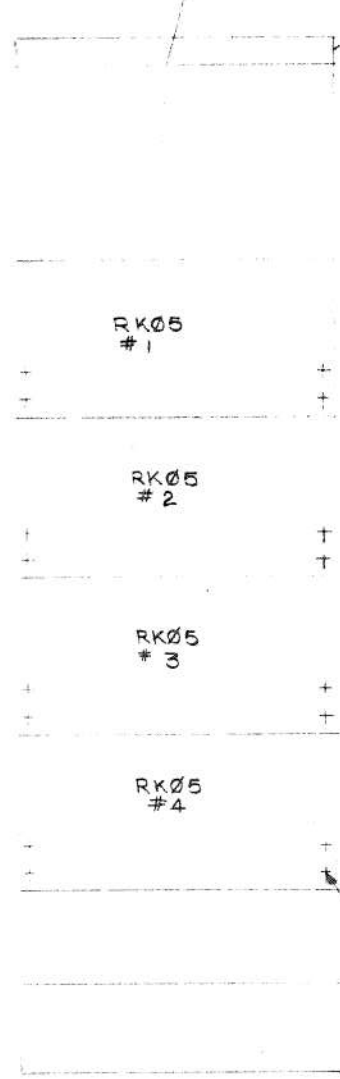
VIEW B-B
TYP FOR RECEPTACLE #1 & 2

REV	CHANGE NO	DATE	BY	CHK'D
1	RK05-00029	3-10-72	G. SCHNEIDER	
2		4-20-72	G. SCHNEIDER	
3		7-14-72	G. SCHNEIDER	

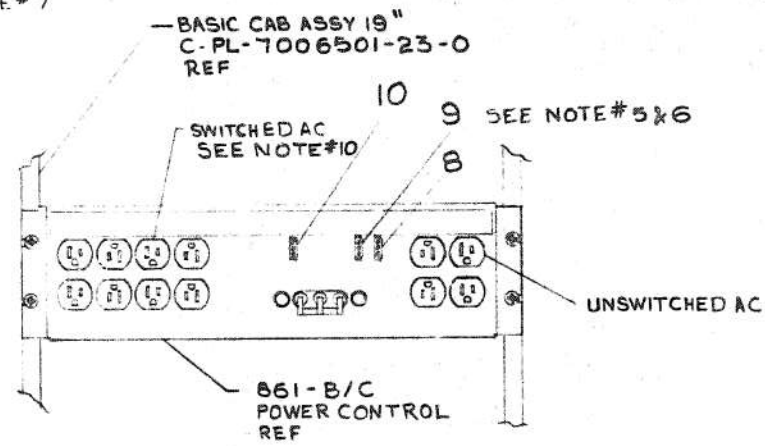
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. DATE 5/17/72	digital EQUIPMENT CORPORATION	
DECIMALS ANGLES		CHK'D. DATE 6-21-72	TITLE	
.XXX - .005	±0° 30'	ENG. DATE 7-12-72	RK05	
.XX - .02		PROD. ENG. DATE 7-12-72	OPTION CONFIGURATION	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD. DATE 1/31/75	NUMBER	
MATERIAL		NEXT HIGHER ASSY.	D00PK05-0-15	
FINISH		SCALE	SHEET 1 OF 3	

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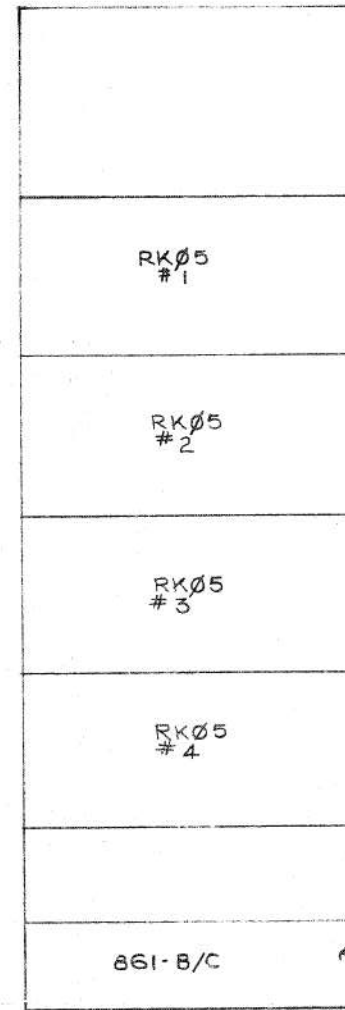
BASIC CABINET ASSY 19"
C-PL-7006501-23-0
REF



FRONT VIEW



DETAIL "A"
NOT TO SCALE



REAR VIEW

CONFIGURATION WITH 861 POWER CONTROL

BRUNING 40 107 15868
REVISIONS
CHANGE NO.
CHK

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>W. J. [Signature]</i>	DATE 7-19-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
DECIMALS .005 .XX .02 .X .1		CHK'D. <i>W. J. [Signature]</i>	DATE 7-10-72	
ANGLES ±0° 30'		ENG. E. SIMMONS	DATE 7-12-72	TITLE RK05 OPTION CONFIGURATION
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROJ. ENG. E. SIMMONS	DATE 7-12-72	
MATERIAL		PROD. A. KARLSBERG	DATE 7-31-72	
FINISH		NEXT HIGHER ASSY.		SIZE CODE D 00
		SCALE		NUMBER RK05 - 0 - 15
		SHEET 2 OF 3		REV. B

POWER CORD CONNECTIONS WITH 860 POWER CONTROL

FROM	TO
RK05#1	AC RECEPTACLE #1 TOP PLUG
RK05#2	AC RECEPTACLE #2 TOP PLUG
RK05#3	AC RECEPTACLE #2 BOTTOM PLUG
RK05#4	AC RECEPTACLE #1 BOTTOM PLUG

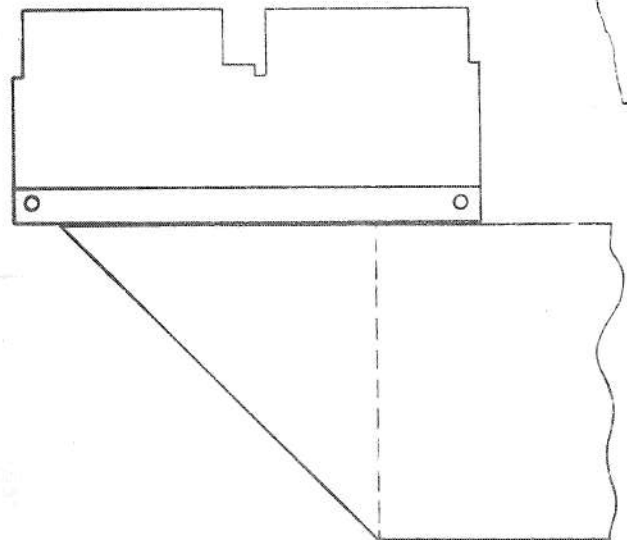
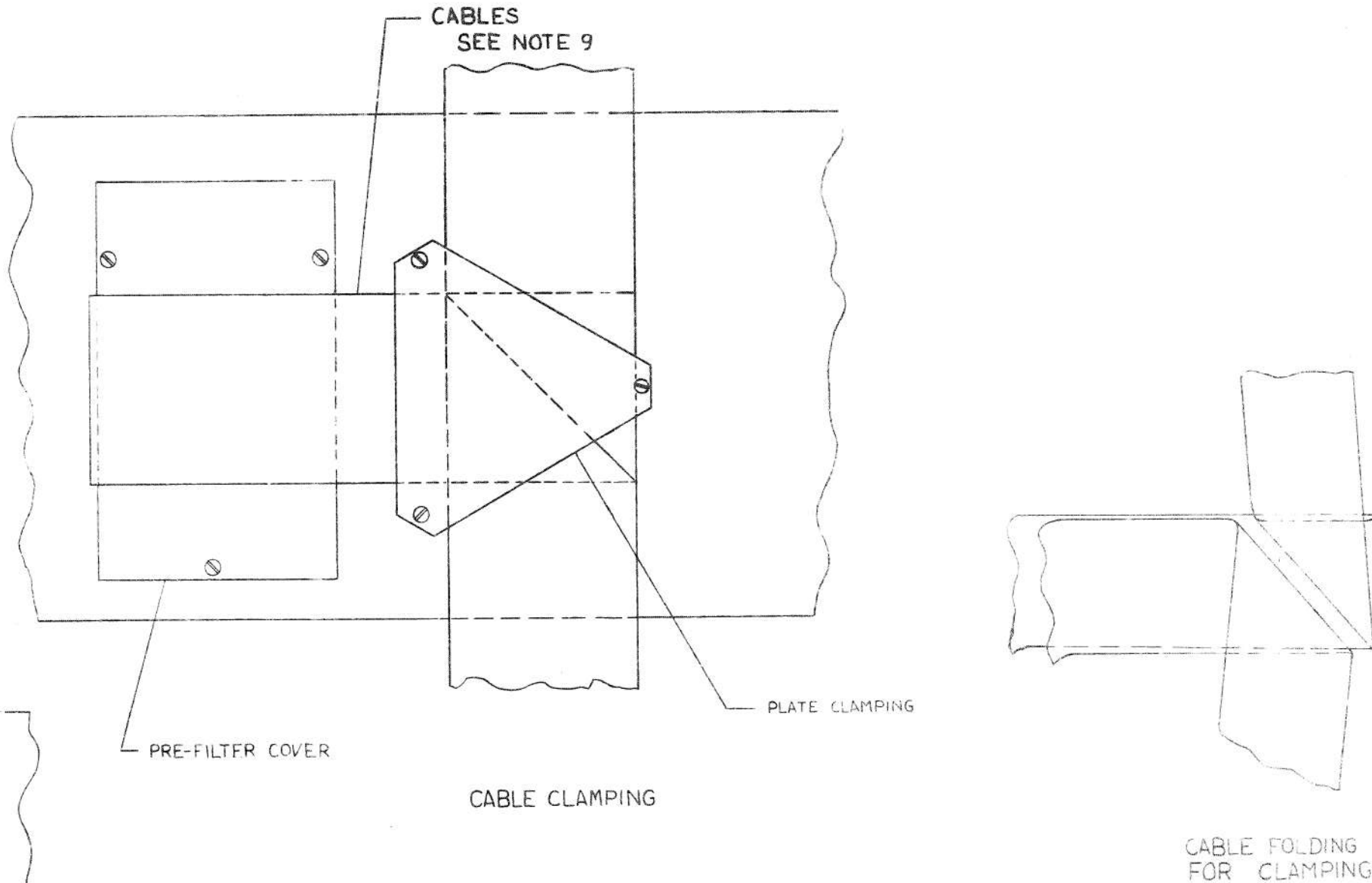
BUS CABLE CONNECTIONS

FROM		TO		CABLE	REMARKS
DEVICE	LOCATION	DEVICE	LOCATION		
DISK CONTROL	A/R	RK05#1	AB8	BC11A	LENGTH A/R
RK05#1	AB7	RK05#2	AB7	BC11A-6	
RK05#2	AB8	RK05#3	AB8	BC11A-6	
RK05#3	AB7	RK05#4	AB7	BC11A-6	
RK05#4	AB8	—	—	M930	MODULE

860 POWER CONNECTIONS

AWG	COLOR	FROM	TO	REMARKS
10 TWP	BLK	860-PT#1*	RECP #1-1	SEE VIEW B-B
	WHT	860-PT2*	#1-2	
	RED	860-PT3*	#1-3	
10 TWP	BLK	860-PT4*	#2-1	SEE VIEW B-B
	WHT	860-PT5*	#2-2	
	RED	860-PT6*	RECP #2-3	

*(ASTERISK) INDICATES WIRE POINTS ON 860 POWER CONTROL MARKED WITH BRADY MARKERS.



FIRST FOLD FOR UNIBUS CABLE

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES	DRN	DATE	digital EQUIPMENT CORPORATION	
DECIMALS FRACTIONS	CHK'D	DATE		
XXX - 009	ENG	DATE	TITLE RK05 OPTION CONFIGURATION	
XX - 02	PROJ ENG	DATE		
X - 1	PROD	DATE	SIZE CODE NUMBER REV DOC-RK05-0-15 B	
	ASST MGR/ASSY	DATE		
MATERIAL				
FINISH	SCALE	SHEET 3 OF 3	DIST 1-1	

REV	CHANGE NO.	DATE

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FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RKII-D					
PARTS LIST					
DRN	DATE	digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small> TITLE ETCH/WIRE LIST (RKII-D)			
<i>E. Wilson</i>	9/27/72				
CHK'D.	DATE				
<i>P. Sargent</i>	10/11/72				
ENG.	DATE				
<i>Tom Eng</i>	10/11/72				
PROJ. ENG.	DATE				
<i>Tom Eng</i>	10/11/72				
PROD.	DATE				
<i>R. Woolley</i>	11/2/72				
NEXT HIGHER ASSEMBLY					
C-1A-7009142-0-0		SIZE CODE	NUMBER	REV.	
SCALE		K/WL	RKII-D-2	E	
SHEET	OF	DIST.			

REVISIONS		REV.
CHK	CHANGE NO.	
<i>SL</i>	RKIID-00003	A
Beasley 12-4-72		
T. ORR		
<i>2</i>	<i>12/2/72</i>	
<i>SM</i>	RKIID-00005	B
<i>B. Lodgez 4-3-73</i>		
T. ORR		
<i>SL</i>	RKIID-00009	C
<i>E. Allain 9-26-73</i>		
T. ORR		
<i>R</i>	<i>9-28-73</i>	
<i>SM</i>	RKIID-00011	D
<i>J. Carter 11-12-73</i>		
ORR		
<i>2</i>	<i>1/4/74</i>	
<i>SL</i>	RKIID-00013	E
<i>S. Mankin 2-5-74</i>		
T. ORR		
<i>W. M. ...</i>		

RK11D.E
RUN NAME

HND288.V22(22) 11/06/73

15-JAN-74

23:58

PAGE 1

A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
	+5V	A01A2	1-01 *	H		D02				2		P	HAND WIRE	1
	+5V	A02A2	1-02 *	H		D02				1		P	HAND WIRE	1
	+5V	A03A2	1-03 *	H		D02				2		P	HAND WIRE	1
	+5V	A04A2	1-04 *	H		D02				1		P	HAND WIRE	1
	+5V	A03H2	1-05 *	H		D02				2		P	HAND WIRE	1
	+5V	A03J2	1-06 *	H		D02				1		P	HAND WIRE	1
	+5V	A03K2	1-07 *	H		D02				2		P	HAND WIRE	1
	+5V	A03L2	1-08 *	H		D02				1		P	HAND WIRE	1
	+5V	A03M2	1-09 *	H		D02				2		P	HAND WIRE	1
	+5V	B01A2	1-10 *	H		D02				1		P	HAND WIRE	1
	+5V	B02A2	1-11 *	H		D02				2		P	HAND WIRE	1
	+5V	B03B1	1-12 *	H		D02				1		P	HAND WIRE	1
	+5V	B03A2	1-13 *	H		D02				2		P	HAND WIRE	1
	+5V	B04A2	1-14 *	H		D02				1		P	HAND WIRE	1
	+5V	C04A2	1-15 *	H		D01				2		P	HAND WIRE	1
	+5V	C03A2	1-16 *	H		D01				1		P	HAND WIRE	1
	+5V	C02A2	1-17 *	H		D01				2		P	HAND WIRE	1
	+5V	C01A2	1-18 *	H		D01				1		P	HAND WIRE	1
	+5V	D01A2	1-19 *	H		D01				2		P	HAND WIRE	1
	+5V	D02A2	1-20 *	H		D01				1		P	HAND WIRE	1
	+5V	D03A2	1-21 *	H		D01				2		P	HAND WIRE	1
	+5V	D04A2	1-22 *	H		D01				1		P	HAND WIRE	1
	+5V	E04A2	1-23 *	H		D01				2		P	HAND WIRE	1
	+5V	E03A2	1-24 *	H		D01				1		P	HAND WIRE	1
	+5V	E02A2	1-25 *	H		D01				2		P	HAND WIRE	1
	+5V	F01A2	1-26 *	H		D01				1		P	HAND WIRE	1
	+5V	F01A2	1-27 *	H		D01				2		P	HAND WIRE	1
	+5V	F02A2	1-28 *	H		D01				1		P	HAND WIRE	1
	+5V	F03A2	1-29 *	H		D01				2		P	HAND WIRE	1
	+5V	F04A2	1-30 *	H		D01						P	H TO WHERE	1
	+5V		1										89-0/8	1
	0 TO NPR	H	E01R1	1-01 *	H	D01				1		P	HAND WIRE	2
	0 TO NPR	H	E03R2	1-02 *	H	D01				2		P	HAND WIRE	2
	0 TO NPR	H	E04R2	1-03 *	H	D01						P	H TO WHERE	2
	0 TO NPR		1										6-2/8	2
	ADD ACK	H	F01J1	1-01 *	H	D01				1		P	HAND WIRE	3
	ADD ACK	H	F02J1	1-02 *	H	D01						P	H TO WHERE	3
	ADD ACK		1										2-6/8	3
	B CNTRL RDY	H	B03R2	1-01 *		D02				1		P		4
	B CNTRL RDY	H	E04S2	1-02 *	H	D01				2		P	HAND WIRE	4
	B CNTRL RDY	H	E02S2	1-03 *	H	D01				1		P	HAND WIRE	4
	B CNTRL RDY	H	E01S2	1-04 *	H	D01						P	H TO WHERE	4
	B CNTRL RDY		1										16-4/8	4

PK11D.E RUN NAME	HND288.V22(22) 11/06/73				Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 2 RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
BG 4 IN	H	B01E2		1-01 *							1				5
BG 4 IN	H	C01S2		1-02 *											5
BG 4 IN				1									6-0/8		5
BG 4 OUT	H	B04E2		1-01 *							1				6
BG 4 OUT	H	C01T2		1-02 *											6
BG 4 OUT				1									6-6/8		6
BG 5 IN	H	B01B1		1-01 *							1				7
BG 5 IN	H	C01P2		1-02 *											7
BG 5 IN				1									6-2/8		7
BG 5 OUT	H	R04B1		1-01 *							1				8
BG 5 OUT	H	C01R2		1-02 *											8
BG 5 OUT				1									7-0/8		8
BG 6 IN	H	B01A1		1-01 *							1				9
BG 6 IN	H	C01M2		1-02 *											9
BG 6 IN				1									6-2/8		9
BG 6 OUT	H	R04A1		1-01 *							1				10
BG 6 OUT	H	C01N2		1-02 *											10
BG 6 OUT				1									6-6/8		10
BG 7 IN	H	A01V1		1-01 *							1				11
BG 7 IN	H	C01K2		1-02 *											11
BG 7 IN				1									6-4/8		11
BG 7 OUT	H	A04V1		1-01 *							1				12
BG 7 OUT	H	C01L2		1-02 *											12
BG 7 OUT				1									7-2/8		12
BG IN	H	C01V2		1-01 *	H						1				13
BG IN	H	C04V2		1-02 *	H										13
BG IN				1									3-6/8		13
BG OUT	H	C01U2		1-01 *	H						1				14
BG OUT	H	C04U2		1-02 *	H										14
BG OUT				1									3-6/8		14
BR OUT	L	C01J2		1-01 *	H						1				15
BR OUT	L	C04J2		1-02 *	H										15
BR OUT				1									3-6/8		15

PK11D.E RUN NAME	HND288.V22(22) 11/06/73				Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 3 RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
BUS A00	L	B01H2		1-01 *	H						2				16
BUS A00	L	R04H2		1-02 *							1				16
BUS A00	L	R04D1		1-03 *											16
BUS A00				1									11-0/8		16
BUS A01	L	R01H1		1-01 *	H						2				17
BUS A01	L	R04H1		1-02 *							1				17
BUS A01	L	C04T2		1-03 *											17
BUS A01				1									10-0/8		17
BUS A02	L	R01J2		1-01 *	H						2				18
BUS A02	L	R04J2		1-02 *							1				18
BUS A02	L	C04S1		1-03 *											18
BUS A02				1									9-6/8		18
BUS A03	L	R01J1		1-01 *	H						2				19
BUS A03	L	R04J1		1-02 *							1				19
BUS A03	L	C04R1		1-03 *											19
BUS A03				1									9-2/8		19
BUS A04	L	R01K2		1-01 *	H						2				20
BUS A04	L	R04K2		1-02 *							1				20
BUS A04	L	C04P1		1-03 *											20
BUS A04				1									9-2/8		20
BUS A05	L	R01K1		1-01 *	H						2				21
BUS A05	L	R04K1		1-02 *							1				21
BUS A05	L	C04R2		1-03 *											21
BUS A05				1									9-4/8		21
BUS A06	L	R01L2		1-01 *	H						2				22
BUS A06	L	R04L2		1-02 *							1				22
BUS A06	L	C04M2		1-03 *											22
BUS A06				1									8-6/8		22
BUS A07	L	R01L1		1-01 *	H						2				23
BUS A07	L	R04L1		1-02 *							1				23
BUS A07	L	C04L1		1-03 *											23
BUS A07				1									6-4/8		23
BUS A08	L	R01M2		1-01 *	H						2				24
BUS A08	L	R04M2		1-02 *							1				24
BUS A08	L	C04K1		1-03 *											24
BUS A08				1									6-4/8		24

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 4 RUN NUMBER
BUS A09	L	B01M1		1-01 *	H		D02				2		P		25
BUS A09	L	B04M1		1-02 *			D02				1			HAND WIRE TO HERE	25
BUS A09	L	C04L2		1-03 *			D02								25
BUS A09				1									8-6/8		25
BUS A10	L	B01N2		1-01 *	H		D02				2		P		26
BUS A10	L	R04N2		1-02 *			D02				1			HAND WIRE TO HERE	26
BUS A10	L	C04H2		1-03 *			D01								26
BUS A10				1									8-0/8		26
BUS A11	L	B01N1		1-01 *	H		D02				2		P		27
BUS A11	L	B04N1		1-02 *			D02				1			HAND WIRE TO HERE	27
BUS A11	L	D04F1		1-03 *			D01								27
BUS A11				1									10-4/8		27
BUS A12	L	B01P2		1-01 *	H		D02				2		P		28
BUS A12	L	R04P2		1-02 *			D02				1			HAND WIRE TO HERE	28
BUS A12	L	C04F1		1-03 *			D01								28
BUS A12				1									7-6/8		28
BUS A13	L	B01P1		1-01 *	H		D02				2		P		29
BUS A13	L	R04P1		1-02 *			D02				1			HAND WIRE TO HERE	29
BUS A13	L	C04F2		1-03 *			D01								29
BUS A13				1									8-0/8		29
BUS A14	L	B01R2		1-01 *	H		D02				1		P		30
BUS A14	L	R04R2		1-02 *			D02				2			HAND WIRE TO HERE	30
BUS A14	L	C04B1		1-03 *			D01								30
BUS A14				1									7-2/8		30
BUS A15	L	B01R1		1-01 *	H		D02				2		P		31
BUS A15	L	R04R1		1-02 *			D02				1			HAND WIRE TO HERE	31
BUS A15	L	D04P1		1-03 *			D01								31
BUS A15				1									11-2/8		31
BUS A16	L	B01S2	B04S2	1-01 *	H		D02				1		P		32
BUS A16	L	B04S2	C04D1	1-02 *			D02				2			HAND WIRE TO HERE	32
BUS A16	L	C04D1	C01D1	1-03 *	H		D01				1		P		32
BUS A16	L	C01D1		1-04 *			D01								32
BUS A16				1									11-0/8		32
BUS A17	L	B01S1	B04S1	1-01 *	H		D02				1		P		33
BUS A17	L	R04S1	C04E1	1-02 *			D02				2			HAND WIRE TO HERE	33
BUS A17	L	C04E1	C01E1	1-03 *	H		D01				1		P		33
BUS A17	L	C01E1		1-04 *			D01								33
BUS A17				1									11-0/8		33

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 5 RUN NUMBER
BUS AC LO	L	D02F1		1-01 *							1				34
BUS AC LO	L	R01F1		1-02 *	H						2		P		34
BUS AC LO	L	R04F1		1-03 *							1			HAND WIRE TO HERE	34
BUS AC LO	L	A03R2		1-04 *											34
BUS AC LO				1									15-6/8		34
BUS RBSY	L	A01P2		1-01 *	H		D02				2		P		35
BUS RBSY	L	A04P2		1-02 *			D02				1			HAND WIRE TO HERE	35
BUS RBSY	L	F04P2		1-03 *			D01								35
BUS RBSY				1									16-4/8		35
BUS BR 4	L	B04D2		1-01 *	H		D02				2		P		36
BUS BR 4	L	R01D2		1-02 *			D02				1			HAND WIRE TO HERE	36
BUS BR 4	L	C01H2		1-03 *			D01								36
BUS BR 4				1									9-0/8		36
BUS BR 5	L	R04C1		1-01 *	H						2		P		37
BUS BR 5	L	R01C1		1-02 *			D02				1			HAND WIRE TO HERE	37
BUS BR 5	L	C01F2		1-03 *			D01								37
BUS BR 5				1									9-2/8		37
BUS BR 6	L	A04U2		1-01 *	H		D02				2		P		38
BUS BR 6	L	A01U2		1-02 *			D02				1			HAND WIRE TO HERE	38
BUS BR 6	L	C01E2		1-03 *			D01								38
BUS BR 6				1									9-6/8		38
BUS BR 7	L	A04T2		1-01 *	H		D02				2		P		39
BUS BR 7	L	A01T2		1-02 *			D02				1			HAND WIRE TO HERE	39
BUS BR 7	L	C01D2		1-03 *			D01								39
BUS BR 7				1									9-6/8		39
BUS C0	L	R01U2		1-01 *	H		D02				2		P		40
BUS C0	L	R04U2		1-02 *			D02				1			HAND WIRE TO HERE	40
BUS C0	L	D04C1		1-03 *			D01								40
BUS C0				1									9-6/8		40
BUS C1	L	R01T2		1-01 *	H		D02				2		P		41
BUS C1	L	R04T2		1-02 *			D02				1			HAND WIRE TO HERE	41
BUS C1	L	F04R1		1-03 *			D01								41
BUS C1				1									13-6/8		41
BUS D EN	H	C04U1			H		D01								42
BUS D00	L	A01C1		1-01 *	H		D02				2		P		43
BUS D00	L	A04C1		1-02 *			D02				1			HAND WIRE TO HERE	43
BUS D00	L	C04D2		1-03 *			D01								43
BUS D00				1									11-6/8		43

RK11D.E RUN NAME	HND288.V22(22) 11/06/73										REMARKS	15-JAN-74	23:58	PAGE 6	
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X		Z	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D00 (1)	H	D01D2		1-01 *	H	D01					1	P		HAND WIRE	44
BUS D00 (1)	H	D03D2		1-02 *	H	D01					2	P		HAND WIRE	44
BUS D00 (1)	H	D04D2		1-03 *	H	D01						P		H TO WHERE	44
BUS D00 (1)				1									6-0/8		44
BUS D01	L	A01D2		1-01 *	H	D02					2	P		HAND WIRE	45
BUS D01	L	A04D2		1-02 *		D02					1			TO HERE	45
BUS D01	L	C04C1		1-03 *		D01									45
BUS D01				1									11-4/8		45
BUS D01 (1)	H	D01E2		1-01 *	H	D01					1	P		HAND WIRE	46
BUS D01 (1)	H	D03E2		1-02 *	H	D01					2	P		HAND WIRE	46
BUS D01 (1)	H	D04E2		1-03 *	H	D01						P		H TO WHERE	46
BUS D01 (1)				1									6-0/8		46
BUS D02	L	A01D1		1-01 *	H	D02					2	P		HAND WIRE	47
BUS D02	L	A04D1		1-02 *		D02					1			TO HERE	47
BUS D02	L	C04E2		1-03 *		D01									47
BUS D02				1									11-4/8		47
BUS D02 (1)	H	D01F2		1-01 *	H	D01					1	P		HAND WIRE	48
BUS D02 (1)	H	D03F2		1-02 *	H	D01					2	P		HAND WIRE	48
BUS D02 (1)	H	D04F2		1-03 *	H	D01						P		H TO WHERE	48
BUS D02 (1)				1									6-0/8		48
BUS D03	L	A01E2		1-01 *	H	D02					2	P		HAND WIRE	49
BUS D03	L	A04E2		1-02 *		D02					1			TO HERE	49
BUS D03	L	D04E1		1-03 *		D01									49
BUS D03				1									14-2/8		49
BUS D03 (1)	H	D01H2		1-01 *	H	D01					1	P		HAND WIRE	50
BUS D03 (1)	H	D03H2		1-02 *	H	D01					2	P		HAND WIRE	50
BUS D03 (1)	H	D04H2		1-03 *	H	D01						P		H TO WHERE	50
BUS D03 (1)				1									6-0/8		50
BUS D04	L	A01E1		1-01 *	H	D02					2	P		HAND WIRE	51
BUS D04	L	A04E1		1-02 *		D02					1			TO HERE	51
BUS D04	L	D04R1		1-03 *		D01									51
BUS D04				1									15-2/8		51
BUS D04 (1)	H	D01J2		1-01 *	H	D01					1	P		HAND WIRE	52
BUS D04 (1)	H	D03J2		1-02 *	H	D01					2	P		HAND WIRE	52
BUS D04 (1)	H	D04J2		1-03 *	H	D01						P		H TO WHERE	52
BUS D04 (1)				1									6-0/8		52

RK11D.E RUN NAME	HND288.V22(22) 11/06/73										REMARKS	15-JAN-74	23:58	PAGE 7	
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X		Z	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D05	L	A01F2		1-01 *	H	D02					2	P		HAND WIRE	53
BUS D05	L	A04F2		1-02 *		D02					1			TO HERE	53
BUS D05	L	C04H1		1-03 *		D01									53
BUS D05				1									11-6/8		53
BUS D05 (1)	H	D01K2		1-01 *	H	D01					1	P		HAND WIRE	54
BUS D05 (1)	H	D03K2		1-02 *	H	D01					2	P		HAND WIRE	54
BUS D05 (1)	H	D04K2		1-03 *	H	D01						P		H TO WHERE	54
BUS D05 (1)				1									6-0/8		54
BUS D06	L	A01F1		1-01 *	H	D02					2	P		HAND WIRE	55
BUS D06	L	A04F1		1-02 *		D02					1			TO HERE	55
BUS D06	L	C04K2		1-03 *		D01									55
BUS D06				1									11-6/8		55
BUS D06 (1)	H	D01L2		1-01 *	H	D01					1	P		HAND WIRE	56
BUS D06 (1)	H	D03L2		1-02 *	H	D01					2	P		HAND WIRE	56
BUS D06 (1)	H	D04L2		1-03 *	H	D01						P		H TO WHERE	56
BUS D06 (1)				1									6-0/8		56
BUS D07	L	A01H2		1-01 *	H	D02					2	P		HAND WIRE	57
BUS D07	L	A04H2		1-02 *		D02					1			TO HERE	57
BUS D07	L	C04J1		1-03 *		D01									57
BUS D07				1									11-4/8		57
BUS D07 (1)	H	D01M2		1-01 *	H	D01					1	P		HAND WIRE	58
BUS D07 (1)	H	D03M2		1-02 *	H	D01					2	P		HAND WIRE	58
BUS D07 (1)	H	D04M2		1-03 *	H	D01						P		H TO WHERE	58
BUS D07 (1)				1									6-0/8		58
BUS D08	L	A01H1		1-01 *	H	D02					2	P		HAND WIRE	59
BUS D08	L	A04H1		1-02 *		D02					1			TO HERE	59
BUS D08	L	C04N2		1-03 *		D01									59
BUS D08				1									12-2/8		59
BUS D08 (1)	H	D01N2		1-01 *	H	D01					1	P		HAND WIRE	60
BUS D08 (1)	H	D03N2		1-02 *	H	D01					2	P		HAND WIRE	60
BUS D08 (1)	H	D04N2		1-03 *	H	D01						P		H TO WHERE	60
BUS D08 (1)				1									6-0/8		60
BUS D09	L	A01J2		1-01 *	H	D02					2	P		HAND WIRE	61
BUS D09	L	A04J2		1-02 *		D02					1			TO HERE	61
BUS D09	L	C04M1		1-03 *		D01									61
BUS D09				1									12-0/8		61

RK11D.E		HND288.V22(22) 11/06/73										15-JAN-74	23:58	PAGE 8	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	C	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D09 (1)	H	D01P2		1-01 *	H	D01					1			HAND WIRE	62
BUS D09 (1)	H	D03P2		1-02 *	H	D01					2			HAND WIRE	62
BUS D09 (1)	H	D04P2		1-03 *	H	D01								H TO WHERE	62
BUS D09 (1)				1									6-0/8		62
BUS D10	L	A01J1		1-01 *	H	D02					2			HAND WIRE	63
BUS D10	L	A04J1		1-02 *		D02					1			TO HERE	63
BUS D10	L	C04P2		1-03 *		D01									63
BUS D10				1									12-0/8		63
BUS D10 (1)	H	D01R2		1-01 *	H	D01					1			HAND WIRE	64
BUS D10 (1)	H	D03R2		1-02 *	H	D01					2			HAND WIRE	64
BUS D10 (1)	H	D04R2		1-03 *	H	D01								H TO WHERE	64
BUS D10 (1)				1									6-0/8		64
BUS D11	L	A01K2		1-01 *	H	D02					2			HAND WIRE	65
BUS D11	L	A04K2		1-02 *		D02					1			TO HERE	65
BUS D11	L	C04N1		1-03 *		D01									65
BUS D11				1									11-6/8		65
BUS D11 (1)	H	D01S2		1-01 *	H	D01					1			HAND WIRE	66
BUS D11 (1)	H	D03S2		1-02 *	H	D01					2			HAND WIRE	66
BUS D11 (1)	H	D04S2		1-03 *	H	D01								H TO WHERE	66
BUS D11 (1)				1									6-0/8		66
BUS D12	L	A01K1		1-01 *	H	D02					2			HAND WIRE	67
BUS D12	L	A04K1		1-02 *		D02					1			TO HERE	67
BUS D12	L	D04A1		1-03 *		D01									67
BUS D12				1									13-0/8		67
BUS D12 (1)	H	D01T2		1-01 *	H	D01					1			HAND WIRE	68
BUS D12 (1)	H	D03T2		1-02 *	H	D01					2			HAND WIRE	68
BUS D12 (1)	H	D04T2		1-03 *	H	D01								H TO WHERE	68
BUS D12 (1)				1									6-0/8		68
BUS D13	L	A01L2		1-01 *	H	D02					2			HAND WIRE	69
BUS D13	L	A04L2		1-02 *		D02					1			TO HERE	69
BUS D13	L	C04V1		1-03 *		D01									69
BUS D13				1									12-4/8		69
BUS D13 (1)	H	D01U2		1-01 *	H	D01					1			HAND WIRE	70
BUS D13 (1)	H	D03U2		1-02 *	H	D01					2			HAND WIRE	70
BUS D13 (1)	H	D04U2		1-03 *	H	D01								H TO WHERE	70
BUS D13 (1)				1									6-0/8		70

RK11D.E		HND288.V22(22) 11/06/73										15-JAN-74	23:58	PAGE 9	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D14	L	A01L1		1-01 *	H	D02					2			HAND WIRE	71
BUS D14	L	A04L1		1-02 *		D02					1			TO HERE	71
BUS D14	L	C04S2		1-03 *		D01									71
BUS D14				1									12-0/8		71
BUS D14 (1)	H	D01V2		1-01 *	H	D01					1			HAND WIRE	72
BUS D14 (1)	H	D03V2		1-02 *	H	D01					2			HAND WIRE	72
BUS D14 (1)	H	D04V2		1-03 *	H	D01								H TO WHERE	72
BUS D14 (1)				1									6-0/8		72
BUS D15	L	A01M2		1-01 *	H	D02					2			HAND WIRE	73
BUS D15	L	A04M2		1-02 *		D02					1			TO HERE	73
BUS D15	L	D04B1		1-03 *		D01									73
BUS D15				1									13-0/8		73
BUS D15 (1)	H	D01V1		1-01 *	H	D01					1			HAND WIRE	74
BUS D15 (1)	H	D03V1		1-02 *	H	D01					2			HAND WIRE	74
BUS D15 (1)	H	D04V1		1-03 *	H	D01								H TO WHERE	74
BUS D15 (1)				1									6-0/8		74
BUS D16	L	A01M1	A04M1	1-01 *	H	D02					2			HAND WIRE	75
BUS D16	L	A04M1		1-02 *		D02					1			TO HERE	75
BUS D16	L	C03C1		1-03 *											75
BUS D16				1									10-4/8		75
BUS D17	L	A01N2	A04N2	1-01 *	H	D02					2			HAND WIRE	76
BUS D17	L	A04N2		1-02 *		D02					1			TO HERE	76
BUS D17	L	C03B1		1-03 *											76
BUS D17				1									10-4/8		76
BUS DC LO	L	A03S2		1-01 *		D02					1				77
BUS DC LO	L	B04F2		1-02 *							2				77
BUS DC LO	L	B01F2		1-03 *		D02					1				77
BUS DC LO	L	C01B1		1-04 *		D01									77
BUS DC LO				1									12-4/8		77
BUS INIT	L	A04A1		1-01 *	H	D02					2			HAND WIRE	78
BUS INIT	L	A01A1		1-02 *		D02					1			TO HERE	78
BUS INIT	L	C01C1		1-03 *											78
BUS INIT				1									11-4/8		78
BUS INTR	L	A01B1		1-01 *	H	D02					2			HAND WIRE	79
BUS INTR	L	A04B1		1-02 *		D02					1			TO HERE	79
BUS INTR	L	D04S1		1-03 *		D01									79
BUS INTR				1									15-6/8		79

RK11D.E RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 10 RUN NUMBER
BUS MSYN	L	B01V1		1-01 *	H		D02				2		P		80
BUS MSYN	L	B04V1		1-02 *			D02				1			HAND WIRE TO HERE	80
BUS MSYN	L	E04T2		1-03 *			D01								80
BUS MSYN				1									13-6/8		80
BUS NPG IN	H	A01U1		1-01 *			D02				1				81
BUS NPG IN	H	E04D1		1-02 *			D01								81
BUS NPG IN				1									12-0/8		81
BUS NPG OUT	H	A04U1		1-01 *			D02				1				82
BUS NPG OUT	H	E04U1		1-02 *			D01								82
BUS NPG OUT				1									12-6/8		82
BUS NPR	L	A01S2		1-01 *	H		D02				2		P		83
BUS NPR	L	A04S2		1-02 *			D02				1			HAND WIRE TO HERE	83
BUS NPR	L	E04S1		1-03 *			D01								83
BUS NPR				1									16-6/8		83
BUS SACK	L	A01R2		1-01 *	H		D02				2		P		84
BUS SACK	L	A04R2		1-02 *			D02				1			HAND WIRE TO HERE	84
BUS SACK	L	E04C1		1-03 *			D01								84
BUS SACK				1									15-4/8		84
BUS SSYN	L	B01U1		1-01 *	H		D02				2		P		85
BUS SSYN	L	B04U1		1-02 *			D02				1			HAND WIRE TO HERE	85
BUS SSYN	L	E04P1		1-03 *			D01								85
BUS SSYN				1									13-2/8		85
CLK	H	C02N2		1-01 *							1				86
CLK	H	E01E1		1-02 *	H		D01				2		P		86
CLK	H	F03D2		1-03 *	H		D01							H TO WHERE	86
CLK				1									10-6/8		86
CLR MSR	L	F01F2		1-01 *	H		D01				1		P		87
CLR MSR	L	F02F2		1-02 *	H		D01							H TO WHERE	87
CLR MSR				1									2-6/8		87
COUNT SA	H	C01M1		1-01 *	H		D01				1		P		88
COUNT SA	H	C03M1		1-02 *	H		D01							H TO WHERE	88
COUNT SA				1									3-2/8		88
CYL OVF	L	C02R2		1-01 *	H		D01				1		P		89
CYL OVF	L	C03R2		1-02 *	H		D01							H TO WHERE	89
CYL OVF				1									2-6/8		89

RK11D.E RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 11 RUN NUMBER
DATA (1)	H	B03H1		1-01 *			D02				1				90
DATA (1)	H	C03S1		1-02 *	H		D01				2		P		90
DATA (1)	H	C02S1		1-03 *	H		D01				1		P	HAND WIRE	90
DATA (1)	H	C01S1		1-04 *	H		D01						P	H TO WHERE	90
DATA (1)				1									11-2/8		90
DATA STR 1	L	F04N2			H		D01						P	1-PIN RUN	91
DATA STR 2	L	E03L2		1-01 *	H		D01				1		P		92
DATA STR 2	L	F04L2		1-02 *	H		D01						P	HAND WIRE H TO WHERE	92
DATA STR 2				1									2-6/8		92
DISK CLK	L	F01V1		1-01 *	H		D01				1		P		93
DISK CLK	L	F02V1		1-02 *	H		D01						P	HAND WIRE H TO WHERE	93
DISK CLK				1									2-6/8		93
DLT (1)	H	E01P1		1-01 *	H		D01				1		P		94
DLT (1)	H	E03P2		1-02 *	H		D01						P	HAND WIRE H TO WHERE	94
DLT (1)				1									3-4/8		94
DPL (1)	H	F01D1		1-01 *	H		D01				1		P		95
DPL (1)	H	F02D1		1-02 *	H		D01						P	HAND WIRE H TO WHERE	95
DPL (1)				1									2-6/8		95
DR BUS ADD ACK	L	A02R2		1-01 *			D02				1				96
DR BUS ADD ACK	L	D02B1		1-02 *			D01								96
DR BUS ADD ACK				1									9-0/8		96
DR BUS CYL ADD 0	L	A02K1		1-01 *			D02				1				97
DR BUS CYL ADD 0	L	C02K1		1-02 *			D01								97
DR BUS CYL ADD 0				1									7-4/8		97
DR BUS CYL ADD 1	L	A02D1		1-01 *			D02				1				98
DR BUS CYL ADD 1	L	C02D1		1-02 *			D01								98
DR BUS CYL ADD 1				1									7-4/8		98
DR BUS CYL ADD 2	L	A02L1		1-01 *			D02				1				99
DR BUS CYL ADD 2	L	C02L1		1-02 *			D01								99
DR BUS CYL ADD 2				1									7-4/8		99
DR BUS CYL ADD 3	L	A02C1		1-01 *			D02				1				100
DR BUS CYL ADD 3	L	C02C1		1-02 *			D01								100
DR BUS CYL ADD 3				1									7-4/8		100
DR BUS CYL ADD 4	L	A02F1		1-01 *			D02				1				101
DR BUS CYL ADD 4	L	C02F1		1-02 *			D01								101
DR BUS CYL ADD 4				1									7-4/8		101

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 14 RUN NUMBER	
DR BUS SIN	L	A02S2		1-01 *							1				125	
DR BUS SIN	L	D02C1		1-02 *											125	
DR BUS SIN				1									9-0/8		125	
DR BUS STROBE	L	B02H1		1-01 *							1				126	
DR BUS STROBE	L	D02H1		1-02 *											126	
DR BUS STROBE				1									7-4/8		126	
DR BUS WT CHK	L	B02K1		1-01 *							1				127	
DR BUS WT CHK	L	D02K1		1-02 *											127	
DR BUS WT CHK				1									7-4/8		127	
DR BUS WT DATA+CLK	L	A02F2		1-01 *							1				128	
DR BUS WT DATA+CLK	L	C02F2		1-02 *											128	
DR BUS WT DATA+CLK				1									7-4/8		128	
DR BUS WT GATE	L	B02L2		1-01 *							1				129	
DR BUS WT GATE	L	D02L2		1-02 *											129	
DR BUS WT GATE				1									7-4/8		129	
DR BUS WT PRCT STATUS	L	B02P1		1-01 *							1				130	
DR BUS WT PRCT STATUS	L	D02P1		1-02 *											130	
DR BUS WT PRCT STATUS				1									7-4/8		130	
DR BUS WT PROTECT	L	B02R2		1-01 *							1				131	
DR BUS WT PROTECT	L	D02R2		1-02 *											131	
DR BUS WT PROTECT				1									7-4/8		131	
DRE (1)	H	F01R1		1-01 *	H						1			P	HAND WIRE	132
DRE (1)	H	F02R1		1-02 *	H									P	H TO WHERE	132
DRE (1)				1									2-6/8		132	
DRIVE OK	H	F01N1		1-01 *	H						1			P	HAND WIRE	133
DRIVE OK	H	F02N1		1-02 *	H									P	H TO WHERE	133
DRIVE OK				1									2-6/8		133	
DRIVE RESET	L	F01K2		1-01 *	H						1			P	HAND WIRE	134
DRIVE RESET	L	F02K2		1-02 *	H									P	H TO WHERE	134
DRIVE RESET				1									2-6/8		134	
DRIVE UNSAFE	H	F01B1		1-01 *	H						1			P	HAND WIRE	135
DRIVE UNSAFE	H	F02B1		1-02 *	H									P	H TO WHERE	135
DRIVE UNSAFE				1									2-6/8		135	
DRY	H	E01L2		1-01 *	H						1			P	HAND WIRE	136
DRY	H	E02L2		1-02 *	H									P	H TO WHERE	136
DRY				1									2-6/8		136	

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 15 RUN NUMBER	
END OF SYNC	L	F01R2		1-01 *	H						1			P	HAND WIRE	137
END OF SYNC	L	F02R2		1-02 *	H									P	H TO WHERE	137
END OF SYNC				1									2-6/8		137	
EX BIT	H	F01V2		1-01 *	H						1			P	HAND WIRE	138
EX BIT	H	F02V2		1-02 *	H									P	H TO WHERE	138
EX BIT				1									2-6/8		138	
FILE DONE	H	C01F1		1-01 *	H						1			P	HAND WIRE	139
FILE DONE	H	C03F1		1-02 *	H									P	H TO WHERE	139
FILE DONE				1									3-2/8		139	
FILE EMPTY	H	B03E1		1-01 *							1				140	
FILE EMPTY	H	C03N2		1-02 *											140	
FILE EMPTY				1									6-0/8		140	
FILE FULL	H	B03M1		1-01 *							1				141	
FILE FULL	H	C03M2		1-02 *											141	
FILE FULL				1									5-0/8		141	
FIRST SEEK DONE	H	E01U2		1-01 *	H						1			P	HAND WIRE	142
FIRST SEEK DONE	H	E02U2		1-02 *	H									P	H TO WHERE	142
FIRST SEEK DONE				1									2-6/8		142	
FMT (1)	H	C01N1		1-01 *	H						2			P	HAND WIRE	143
FMT (1)	H	C02N1		1-02 *	H						1			P	HAND WIRE	143
FMT (1)	H	C03N1		1-03 *	H									P	H TO WHERE	143
FMT (1)				1									5-4/8		143	
GATE DATA TO BUS D	L	C02A1		1-01 *	H						2			P	HAND WIRE	144
GATE DATA TO BUS D	L	C03A1		1-02 *	H						1			P	HAND WIRE	144
GATE DATA TO BUS D	L	C04A1		1-03 *	H									P	H TO WHERE	144
GATE DATA TO BUS D				1									5-4/8		144	
GEN CLR	L	E01R2	E02R2	1-01 *	H						2			P	HAND WIRE	145
GEN CLR	L	F02R2		1-02 *							1				145	
GEN CLR	L	C03P2		1-03 *											145	
GEN CLR				1									10-6/8		145	
GEN DATA	H	F01E2		1-01 *	H						1			P	HAND WIRE	146
GEN DATA	H	F02E2		1-02 *	H									P	H TO WHERE	146
GEN DATA				1									2-6/8		146	

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RK11D.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
HE (1)	H	F03E2		1-01 *											151
HE (1)	H	F02T2		1-02 *	H									HAND WIRE	151
HE (1)	H	F01T2		1-03 *	H									H TO WHERE	151
HE (1)				1									17-2/8		151
HEAD + CHK SUM	H	F01P2		1-01 *	H										152
HEAD + CHK SUM	H	F02P2		1-02 *	H									HAND WIRE	152
HEAD + CHK SUM				1									2-6/8	H TO WHERE	152
HEAD OK (1)	L	F01U2		1-01 *	H										153
HEAD OK (1)	L	F02U2		1-02 *	H									HAND WIRE	153
HEAD OK (1)				1									2-6/8	H TO WHERE	153
HEADER (1)	H	C01U1		1-01 *	H										154
HEADER (1)	H	C03U1		1-02 *	H									HAND WIRE	154
HEADER (1)				1									3-2/8	H TO WHERE	154
IBA (0)	H	E01K2		1-01 *	H										155
IBA (0)	H	F03K2		1-02 *	H									HAND WIRE	155
IBA (0)				1									3-2/8	H TO WHERE	155
ID 0 (1)	H	F01E1		1-01 *	H										156
ID 0 (1)	H	F02E1		1-02 *	H									HAND WIRE	156
ID 0 (1)				1									2-6/8	H TO WHERE	156
ID 1 (1)	H	F01F1		1-01 *	H										157
ID 1 (1)	H	F02F1		1-02 *	H									HAND WIRE	157
ID 1 (1)				1									2-6/8	H TO WHERE	157
ID 2 (1)	H	F01H1		1-01 *	H										158
ID 2 (1)	H	F02H1		1-02 *	H									HAND WIRE	158
ID 2 (1)				1									2-6/8	H TO WHERE	158
IDE (1)	H	F01A1		1-01 *	H										159
IDE (1)	H	D02V2		1-02 *	H									HAND WIRE	159
IDE (1)	H	E04A1		1-03 *	H									HAND WIRE	159
IDE (1)				1									6-6/8	H TO WHERE	159
ILLEGAL ADD	H	F01K1		1-01 *	H										160
ILLEGAL ADD	H	F02K1		1-02 *	H									HAND WIRE	160
ILLEGAL ADD				1									2-6/8	H TO WHERE	160
IN BUFF FULL (1)	H	B03J2		1-01 *											161
IN BUFF FULL (1)	H	C03K2		1-02 *											161
IN BUFF FULL (1)				1									5-0/8		161

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RK11D.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
INIT	H	E01T2		1-01 *	H										162
INIT	H	F02T2		1-02 *	H									HAND WIRE	162
INIT	H	F03T2		1-03 *	H									H TO WHERE	162
INIT				1									5-4/8		162
INIT	L	F01A1		1-01 *	H										163
INIT	L	F02A1		1-02 *	H									HAND WIRE	163
INIT	L	F03A1		1-03 *	H									HAND WIRE	163
INIT	L	F04A1		1-04 *	H									H TO WHERE	163
INIT				1									8-2/8		163
INT BUS A00 (1)	H	D01A1		1-01 *	H										164
INT BUS A00 (1)	H	D03A1		1-02 *	H									HAND WIRE	164
INT BUS A00 (1)				1									3-2/8	H TO WHERE	164
INT BUS A01 (1)	H	D01B1		1-01 *	H										165
INT BUS A01 (1)	H	D03B1		1-02 *	H									HAND WIRE	165
INT BUS A01 (1)				1									3-2/8	H TO WHERE	165
INT BUS A02 (1)	H	D01C1		1-01 *	H										166
INT BUS A02 (1)	H	D03C1		1-02 *	H									HAND WIRE	166
INT BUS A02 (1)				1									3-2/8	H TO WHERE	166
INT BUS A03 (1)	H	D01D1		1-01 *	H										167
INT BUS A03 (1)	H	D03D1		1-02 *	H									HAND WIRE	167
INT BUS A03 (1)				1									3-2/8	H TO WHERE	167
INT BUS A04 (1)	H	D01E1		1-01 *	H										168
INT BUS A04 (1)	H	D03E1		1-02 *	H									HAND WIRE	168
INT BUS A04 (1)				1									3-2/8	H TO WHERE	168
INT BUS A05 (1)	H	D01F1		1-01 *	H										169
INT BUS A05 (1)	H	D03F1		1-02 *	H									HAND WIRE	169
INT BUS A05 (1)				1									3-2/8	H TO WHERE	169
INT BUS A06 (1)	H	D01H1		1-01 *	H										170
INT BUS A06 (1)	H	D03H1		1-02 *	H									HAND WIRE	170
INT BUS A06 (1)				1									3-2/8	H TO WHERE	170
INT BUS A07 (1)	H	D01J1		1-01 *	H										171
INT BUS A07 (1)	H	D03J1		1-02 *	H									HAND WIRE	171
INT BUS A07 (1)				1									3-2/8	H TO WHERE	171
INT BUS A08 (1)	H	D01K1		1-01 *	H										172
INT BUS A08 (1)	H	D03K1		1-02 *	H									HAND WIRE	172
INT BUS A08 (1)				1									3-2/8	H TO WHERE	172

RK11D.E RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:53 EXCEPTIONS	PAGE 20 RUN NUMBER	
INT BUS A09 (1)	H	D01L1		1-01 *	H						1		P		HAND WIRE	173
INT BUS A09 (1)	H	D03L1		1-02 *	H								P		H TO WHERE	173
INT BUS A09 (1)				1										3-2/8		173
INT BUS A10 (1)	H	D01M1		1-01 *	H						1		P		HAND WIRE	174
INT BUS A10 (1)	H	D03M1		1-02 *	H								P		H TO WHERE	174
INT BUS A10 (1)				1										3-2/8		174
INT BUS A11 (1)	H	D01N1		1-01 *	H						1		P		HAND WIRE	175
INT BUS A11 (1)	H	D03N1		1-02 *	H								P		H TO WHERE	175
INT BUS A11 (1)				1										3-2/8		175
INT BUS A12 (1)	H	D01P1		1-01 *	H						1		P		HAND WIRE	176
INT BUS A12 (1)	H	D03P1		1-02 *	H								P		H TO WHERE	176
INT BUS A12 (1)				1										3-2/8		176
INT BUS A13 (1)	H	D01R1		1-01 *	H						1		P		HAND WIRE	177
INT BUS A13 (1)	H	D03R1		1-02 *	H								P		H TO WHERE	177
INT BUS A13 (1)				1										3-2/8		177
INT BUS A14 (1)	H	D01S1		1-01 *	H						1		P		HAND WIRE	178
INT BUS A14 (1)	H	D03S1		1-02 *	H								P		H TO WHERE	178
INT BUS A14 (1)				1										3-2/8		178
INT BUS A15 (1)	H	D01U1		1-01 *	H						1		P		HAND WIRE	179
INT BUS A15 (1)	H	D03U1		1-02 *	H								P		H TO WHERE	179
INT BUS A15 (1)				1										3-2/8		179
INT BUS D00 (1)	H	F03V2		1-01 *	H						1		P		HAND WIRE	180
INT BUS D00 (1)	H	F04V2		1-02 *	H								P		H TO WHERE	180
INT BUS D00 (1)				1										2-6/8		180
INT BUS D01 (1)	H	F03U2		1-01 *	H						1		P		HAND WIRE	181
INT BUS D01 (1)	H	F04U2		1-02 *	H								P		H TO WHERE	181
INT BUS D01 (1)				1										2-6/8		181
INT BUS D02 (1)	H	F03T2		1-01 *	H						1		P		HAND WIRE	182
INT BUS D02 (1)	H	F04T2		1-02 *	H								P		H TO WHERE	182
INT BUS D02 (1)				1										2-6/8		182
INT BUS D03 (1)	H	F03S2		1-01 *	H						1		P		HAND WIRE	183
INT BUS D03 (1)	H	F04S2		1-02 *	H								P		H TO WHERE	183
INT BUS D03 (1)				1										2-6/8		183
INT BUS D04 (1)	H	F03R2		1-01 *	H						1		P		HAND WIRE	184
INT BUS D04 (1)	H	F04R2		1-02 *	H								P		H TO WHERE	184
INT BUS D04 (1)				1										2-6/8		184

RK11D.E RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 21 RUN NUMBER	
INT BUS D05 (1)	H	F03P2		1-01 *	H						1		P		HAND WIRE	185
INT BUS D05 (1)	H	F04P2		1-02 *	H								P		H TO WHERE	185
INT BUS D05 (1)				1										2-6/8		185
INT BUS D06 (1)	H	F03N2		1-01 *	H						1		P		HAND WIRE	186
INT BUS D06 (1)	H	F04N2		1-02 *	H								P		H TO WHERE	186
INT BUS D06 (1)				1										2-6/8		186
INT BUS D07 (1)	H	F03M2		1-01 *	H						1		P		HAND WIRE	187
INT BUS D07 (1)	H	F04M2		1-02 *	H								P		H TO WHERE	187
INT BUS D07 (1)				1										2-6/8		187
INT BUS D08 (1)	H	F03L2		1-01 *	H						1		P		HAND WIRE	188
INT BUS D08 (1)	H	F04L2		1-02 *	H								P		H TO WHERE	188
INT BUS D08 (1)				1										2-6/8		188
INT BUS D09 (1)	H	F03K2		1-01 *	H						1		P		HAND WIRE	189
INT BUS D09 (1)	H	F04K2		1-02 *	H								P		H TO WHERE	189
INT BUS D09 (1)				1										2-6/8		189
INT BUS D10 (1)	H	F03J2		1-01 *	H						1		P		HAND WIRE	190
INT BUS D10 (1)	H	F04J2		1-02 *	H								P		H TO WHERE	190
INT BUS D10 (1)				1										2-6/8		190
INT BUS D11 (1)	H	F03H2		1-01 *	H						1		P		HAND WIRE	191
INT BUS D11 (1)	H	F04H2		1-02 *	H								P		H TO WHERE	191
INT BUS D11 (1)				1										2-6/8		191
INT BUS D12 (1)	H	F03F2		1-01 *	H						1		P		HAND WIRE	192
INT BUS D12 (1)	H	F04F2		1-02 *	H								P		H TO WHERE	192
INT BUS D12 (1)				1										2-6/8		192
INT BUS D13 (1)	H	F03E2		1-01 *	H						1		P		HAND WIRE	193
INT BUS D13 (1)	H	F04E2		1-02 *	H								P		H TO WHERE	193
INT BUS D13 (1)				1										2-6/8		193
INT BUS D14 (1)	H	F03D2		1-01 *	H						1		P		HAND WIRE	194
INT BUS D14 (1)	H	F04D2		1-02 *	H								P		H TO WHERE	194
INT BUS D14 (1)				1										2-6/8		194
INT BUS D15 (1)	H	F03B1		1-01 *	H						1		P		HAND WIRE	195
INT BUS D15 (1)	H	F04B1		1-02 *	H								P		H TO WHERE	195
INT BUS D15 (1)				1										2-6/8		195
LAST BIT	H	F01D2		1-01 *	H						1		P		HAND WIRE	196
LAST BIT	H	F02D2		1-02 *	H								P		H TO WHERE	196
LAST BIT				1										2-6/8		196

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RK11D.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER	
LAST SECTOR	L	C02U2		1-01 *	H			D01			1		P		HAND WIRE	197
LAST SECTOR	L	C03U2		1-02 *	H			D01					P		H TO WHERE	197
LAST SECTOR				1										2-6/8		197
LAST WORD DONE	L	C01L1		1-01 *	H			D01			1		P		HAND WIRE	198
LAST WORD DONE	L	C03L1		1-02 *	H			D01					P		H TO WHERE	198
LAST WORD DONE				1										3-2/8		198
LOAD RKBA HI	L	E03V2		1-01 *	H			D01			1		P		HAND WIRE	199
LOAD RKBA HI	L	E04V2		1-02 *	H			D01					P		H TO WHERE	199
LOAD RKBA HI				1										2-6/8		199
LOAD RKBA LO	L	E03H2		1-01 *	H			D01			1		P		HAND WIRE	200
LOAD RKBA LO	L	E04H2		1-02 *	H			D01					P		H TO WHERE	200
LOAD RKBA LO				1										2-6/8		200
LOAD RKCS HI	L	E01L1		1-01 *	H			D01			1		P		HAND WIRE	201
LOAD RKCS HI	L	E04L1		1-02 *	H			D01					P		H TO WHERE	201
LOAD RKCS HI				1										3-6/8		201
LOAD RKCS LO	L	E01M1		1-01 *	H			D01			1		P		HAND WIRE	202
LOAD RKCS LO	L	E04M1		1-02 *	H			D01					P		H TO WHERE	202
LOAD RKCS LO				1										3-6/8		202
LOAD RKDA HI	L	E03E2		1-01 *	H			D01			1		P		HAND WIRE	203
LOAD RKDA HI	L	E04E2		1-02 *	H			01					P		H TO WHERE	203
LOAD RKDA HI				1										2-6/8		203
LOAD RKDA LO	L	E03F2		1-01 *	H			D01			1		P		HAND WIRE	204
LOAD RKDA LO	L	E04F2		1-02 *	H			D01					P		H TO WHERE	204
LOAD RKDA LO				1										2-6/8		204
LOAD RKWC HI	L	E01B1		1-01 *	H			D01			1		P		HAND WIRE	205
LOAD RKWC HI	L	E04B1		1-02 *	H			D01					P		H TO WHERE	205
LOAD RKWC HI				1										3-6/8		205
LOAD RKWC LO	L	E01F1		1-01 *	H			D01			1		P		HAND WIRE	206
LOAD RKWC LO	L	E04F1		1-02 *	H			D01					P		H TO WHERE	206
LOAD RKWC LO				1										3-6/8		206
M CLK	L	A02U2		1-01 *							1					207
M CLK	L	D02D2		1-02 *												207
M CLK				1										8-6/8		207

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RK11D.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER	
NEW FUN	L	C01R1		1-01 *	H			D01			2		P		HAND WIRE	208
NEW FUN	L	C02R1		1-02 *	H			D01			1		P		HAND WIRE	208
NEW FUN	L	C03R1		1-03 *	H			D01					P		H TO WHERE	208
NEW FUN				1										5-4/8		208
NPR EN (1)	H	C03V2		1-01 *							1					209
NPR EN (1)	H	E04M2		1-02 *												209
NPR EN (1)				1										7-0/8		209
NPR REQ	H	E03J2		1-01 *	H			D01			1		P		HAND WIRE	210
NPR REQ	H	E04J2		1-02 *	H			D01					P		H TO WHERE	210
NPR REQ				1										2-6/8		210
NXM (1)	H	E01N1		1-01 *	H			D01			1		P		HAND WIRE	211
NXM (1)	H	E04N1		1-02 *	H			D01					P		H TO WHERE	211
NXM (1)				1										3-6/8		211
OUT BUFF FULL (1)	H	B03L2		1-01 *				D02			1					212
OUT BUFF FULL (1)	H	C03L2		1-02 *												212
OUT BUFF FULL (1)				1										4-6/8		212
POLL DONE	L	F01U1		1-01 *	H			D01			1		P		HAND WIRE	213
POLL DONE	L	F02U1		1-02 *	H			D01					P		H TO WHERE	213
POLL DONE				1										2-6/8		213
PREAMBLE (1)	H	F01M2		1-01 *	H			D01			1		P		HAND WIRE	214
PREAMBLE (1)	H	F02M2		1-02 *	H			D01					P		H TO WHERE	214
PREAMBLE (1)				1										2-6/8		214
R/W/S RDY	H	E01P2		1-01 *	H			D01			1		P		HAND WIRE	215
R/W/S RDY	H	E02P2		1-02 *	H			D01					P		H TO WHERE	215
R/W/S RDY				1										2-6/8		215
RD DATA=WT DATA	H	F01M1		1-01 *	H			D01			1		P		HAND WIRE	216
RD DATA=WT DATA	H	F02M1		1-02 *	H			D01					P		H TO WHERE	216
RD DATA=WT DATA				1										2-6/8		216
RD GATE (1)	H	B03F2		1-01 *				D02			1					217
RD GATE (1)	H	D02T2		1-02 *												217
RD GATE (1)				1										9-0/8		217
RD GATE EN	H	F01J2		1-01 *	H			D01			1		P		HAND WIRE	218
RD GATE EN	H	F02J2		1-02 *	H			D01					P		H TO WHERE	218
RD GATE EN				1										2-6/8		218

RK11D,E RUN NAME	HND288.V22(22) 11/06/73										REMARKS	15-JAN-74	23:58	PAGE 24	
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X		Z	LENGTH	EXCEPTIONS	RUN NUMBER
RD HEADER (1)	H	F01L1		1-01 *	H						D01				219
RD HEADER (1)	H	F02L1		1-02 *	H						D01				219
RD HEADER (1)				1								2-6/8	HAND WIRE H TO WHERE	219	
RD+RD CHK	H	B03D2		1-01 *							D02				220
RD+RD CHK	H	C03K1		1-02 *	H						D01				220
RD+RD CHK	H	C01K1		1-03 *	H						D01				220
RD+RD CHK				1								9-0/8	HAND WIRE H TO WHERE	220	
READ	H	E01U1		1-01 *	H						D01				221
READ	H	E03U2		1-02 *	H						D01				221
READ	H	E04U2		1-03 *	H						D01				221
READ				1								6-2/8	HAND WIRE H TO WHERE	221	
RK INT MASTER	H	D02U1		1-01 *	H						D01				222
RK INT MASTER	H	D04U1		1-02 *	H						D01				222
RK INT MASTER				1								3-2/8	HAND WIRE H TO WHERE	222	
RK INT REQ	H	E02K2		1-01 *	H						D01				223
RK INT REQ	H	E04K2		1-02 *	H						D01				223
RK INT REQ				1								3-2/8	HAND WIRE H TO WHERE	223	
RK NPR MASTER	H	C03J2		1-01 *											224
RK NPR MASTER	H	E04H1		1-02 *	H						D01				224
RK NPR MASTER	H	E01H1		1-03 *	H						D01				224
RK NPR MASTER				1								11-2/8	HAND WIRE H TO WHERE	224	
RK05	H	F01C1		1-01 *	H						D01				225
RK05	H	F02C1		1-02 *	H						D01				225
RK05				1								2-6/8	HAND WIRE H TO WHERE	225	
RKA 01 (1)	H	E01K1		1-01 *	H						D01				226
RKA 01 (1)	H	E04K1		1-02 *	H						D01				226
RKA 01 (1)	H	F03M2		1-03 *											226
RKA 01 (1)				1								6-4/8	HAND WIRE H TO WHERE	226	
RKA 02 (1)	H	F01J1		1-01 *	H						D01				227
RKA 02 (1)	H	E04J1		1-02 *	H						D01				227
RKA 02 (1)	H	E03N2		1-03 *											227
RKA 02 (1)				1								6-6/8	HAND WIRE H TO WHERE	227	
RKA 03 (1)	H	E03V1		1-01 *	H						D01				228
RKA 03 (1)	H	F04V1		1-02 *	H						D01				228
RKA 03 (1)				1								2-6/8	HAND WIRE H TO WHERE	228	

RK11D,E RUN NAME	HND288.V22(22) 11/06/73										REMARKS	15-JAN-74	23:58	PAGE 25	
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X		Z	LENGTH	EXCEPTIONS	RUN NUMBER
RKBA 01 (1)	H	F03C1		1-01 *	H						D01				229
RKBA 01 (1)	H	F04C1		1-02 *	H						D01				229
RKBA 01 (1)				1								2-6/8	HAND WIRE H TO WHERE	229	
RKBA 02 (1)	H	F03D1		1-01 *	H						D01				230
RKBA 02 (1)	H	F04D1		1-02 *	H						D01				230
RKBA 02 (1)				1								2-6/8	HAND WIRE H TO WHERE	230	
RKBA 03 (1)	H	F03E1		1-01 *	H						D01				231
RKBA 03 (1)	H	F04E1		1-02 *	H						D01				231
RKBA 03 (1)				1								2-6/8	HAND WIRE H TO WHERE	231	
RKBA 04 (1)	H	F03F1		1-01 *	H						D01				232
RKBA 04 (1)	H	F04F1		1-02 *	H						D01				232
RKBA 04 (1)				1								2-6/8	HAND WIRE H TO WHERE	232	
RKBA 05 (1)	H	F03H1		1-01 *	H						D01				233
RKBA 05 (1)	H	F04H1		1-02 *	H						D01				233
RKBA 05 (1)				1								2-6/8	HAND WIRE H TO WHERE	233	
RKBA 06 (1)	H	F03J1		1-01 *	H						D01				234
RKBA 06 (1)	H	F04J1		1-02 *	H						D01				234
RKBA 06 (1)				1								2-6/8	HAND WIRE H TO WHERE	234	
RKBA 07 (1)	H	F03K1		1-01 *	H						D01				235
RKBA 07 (1)	H	F04K1		1-02 *	H						D01				235
RKBA 07 (1)				1								2-6/8	HAND WIRE H TO WHERE	235	
RKBA 08 (1)	H	F03L1		1-01 *	H						D01				236
RKBA 08 (1)	H	F04L1		1-02 *	H						D01				236
RKBA 08 (1)				1								2-6/8	HAND WIRE H TO WHERE	236	
RKBA 09 (1)	H	F03M1		1-01 *	H						D01				237
RKBA 09 (1)	H	F04M1		1-02 *	H						D01				237
RKBA 09 (1)				1								2-6/8	HAND WIRE H TO WHERE	237	
RKBA 10 (1)	H	F03N1		1-01 *	H						D01				238
RKBA 10 (1)	H	F04N1		1-02 *	H						D01				238
RKBA 10 (1)				1								2-6/8	HAND WIRE H TO WHERE	238	
RKBA 11 (1)	H	F03R1		1-01 *	H						D01				239
RKBA 11 (1)	H	F04R1		1-02 *	H						D01				239
RKBA 11 (1)				1								2-6/8	HAND WIRE H TO WHERE	239	
RKBA 12 (1)	H	F03P1		1-01 *	H						D01				240
RKBA 12 (1)	H	F04P1		1-02 *	H						D01				240
RKBA 12 (1)				1								2-6/8	HAND WIRE H TO WHERE	240	

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 26 RUN NUMBER
RKBA 13 (1)	H	F03S1		1-01 *	H		D01				1		P		241
RKBA 13 (1)	H	F04S1		1-02 *	H		D01						P	H TU WHERE	241
RKBA 13 (1)				1										2-6/8	241
RKBA 14 (1)	H	F03U1		1-01 *	H		D01				1		P	HAND WIRE	242
RKBA 14 (1)	H	F04U1		1-02 *	H		D01						P	H TU WHERE	242
RKBA 14 (1)				1										2-6/8	242
RKBA 15 (1)	H	F03V1		1-01 *	H		D01				1		P	HAND WIRE	243
RKBA 15 (1)	H	F04V1		1-02 *	H		D01						P	H TU WHERE	243
RKBA 15 (1)				1										2-6/8	243
RKBA OVF	L	F01S1		1-01 *	H		D01				1		P	HAND WIRE	244
RKBA OVF	L	E03S2		1-02 *	H		D01						P	H TU WHERE	244
RKBA OVF				1										3-4/8	244
RKDA 00 (1)	H	B03P2		1-01 *			D02				1				245
RKDA 00 (1)	H	E03A1		1-02 *	H		D01				2		P	HAND WIRE	245
RKDA 00 (1)	H	F02A1		1-03 *	H		D01						P	H TU WHERE	245
RKDA 00 (1)				1										11-4/8	245
RKDA 01 (1)	H	B03V1		1-01 *			D02				1				246
RKDA 01 (1)	H	F03B1		1-02 *	H		D01				2		P	HAND WIRE	246
RKDA 01 (1)	H	E02B1		1-03 *	H		D01						P	H TU WHERE	246
RKDA 01 (1)				1										10-6/8	246
RKDA 02 (1)	H	B03N1		1-01 *			D02				1				247
RKDA 02 (1)	H	F03C1		1-02 *	H		D01				2		P	HAND WIRE	247
RKDA 02 (1)	H	E02C1		1-03 *	H		D01				1		P	HAND WIRE	247
RKDA 02 (1)	H	E01C1		1-04 *	H		D01						P	H TU WHERE	247
RKDA 02 (1)				1										14-4/8	247
RKDA 03 (1)	H	B03K2		1-01 *			D02				1				248
RKDA 03 (1)	H	E03D1		1-02 *	H		D01				2		P	HAND WIRE	248
RKDA 03 (1)	H	E02D1		1-03 *	H		D01				1		P	HAND WIRE	248
RKDA 03 (1)	H	E01D1		1-04 *	H		D01						P	H TU WHERE	248
RKDA 03 (1)				1										15-0/8	248
RKDA 04 (1)	H	B03U2		1-01 *			D02				1				249
RKDA 04 (1)	H	E03E1		1-02 *	H		D01				2		P	HAND WIRE	249
RKDA 04 (1)	H	E02E1		1-03 *	H		D01						P	H TU WHERE	249
RKDA 04 (1)				1										11-4/8	249
RKDA 05 (1)	H	B03T2		1-01 *			D02				1				250
RKDA 05 (1)	H	E03F1		1-02 *	H		D01				2		P	HAND WIRE	250
RKDA 05 (1)	H	E02F1		1-03 *	H		D01						P	H TU WHERE	250
RKDA 05 (1)				1										11-6/8	250

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 27 RUN NUMBER
RKDA 06 (1)	H	B03C1		1-01 *			D02				1				251
RKDA 06 (1)	H	E03H1		1-02 *	H		D02				2		P	HAND WIRE	251
RKDA 06 (1)	H	E02H1		1-03 *	H		D01						P	H TU WHERE	251
RKDA 06 (1)				1										13-2/8	251
RKDA 07 (1)	H	B03J1		1-01 *			D01				1				252
RKDA 07 (1)	H	E03J1		1-02 *	H		D01				2		P	HAND WIRE	252
RKDA 07 (1)	H	E02J1		1-03 *	H		D01						P	H TU WHERE	252
RKDA 07 (1)				1										12-6/8	252
RKDA 08 (1)	H	B03F1		1-01 *			D02				1				253
RKDA 08 (1)	H	E03K1		1-02 *	H		D01				2		P	HAND WIRE	253
RKDA 08 (1)	H	E02K1		1-03 *	H		D01						P	H TU WHERE	253
RKDA 08 (1)				1										13-2/8	253
RKDA 09 (1)	H	B03L1		1-01 *			D02				1				254
RKDA 09 (1)	H	E03L1		1-02 *	H		D01				2		P	HAND WIRE	254
RKDA 09 (1)	H	E02L1		1-03 *	H		D01						P	H TU WHERE	254
RKDA 09 (1)				1										12-6/8	254
RKDA 10 (1)	H	B03P1		1-01 *			D02				1				255
RKDA 10 (1)	H	E03M1		1-02 *	H		D01				2		P	HAND WIRE	255
RKDA 10 (1)	H	E02M1		1-03 *	H		D01						P	H TU WHERE	255
RKDA 10 (1)				1										12-4/8	255
RKDA 11 (1)	H	B03S2		1-01 *			D02				1				256
RKDA 11 (1)	H	E03N1		1-02 *	H		D01				2		P	HAND WIRE	256
RKDA 11 (1)	H	E02N1		1-03 *	H		D01						P	H TU WHERE	256
RKDA 11 (1)				1										12-4/8	256
RKDA 12 (1)	H	B03K1		1-01 *			D02				1				257
RKDA 12 (1)	H	E03P1		1-02 *	H		D01				2		P	HAND WIRE	257
RKDA 12 (1)	H	E02P1		1-03 *	H		D01						P	H TU WHERE	257
RKDA 12 (1)				1										13-2/8	257
RKDA 13 (1)	H	E02R1		1-01 *	H		D01				1		P	HAND WIRE	258
RKDA 13 (1)	H	E03R1		1-02 *	H		D01						P	H TU WHERE	258
RKDA 13 (1)				1										2-6/8	258
RKDA 14 (1)	H	E02S1		1-01 *	H		D01				1		P	HAND WIRE	259
RKDA 14 (1)	H	E03S1		1-02 *	H		D01						P	H TU WHERE	259
RKDA 14 (1)				1										2-6/8	259
RKDA 15 (1)	H	E02U1		1-01 *	H		D01				1		P	HAND WIRE	260
RKDA 15 (1)	H	E03U1		1-02 *	H		D01						P	H TU WHERE	260
RKDA 15 (1)				1										2-6/8	260

RK11D,E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 28 RUN NUMBER
RKDB 00 (1)	H	C02T2		1-01 * H		D01		1		P		261
RKDB 00 (1)	H	C03T2		1-02 * H		D01				P		261
RKDB 00 (1)				1							2-6/8	261
RKDS 00 (1)	H	E01V1		1-01 * H		D01		1		P		262
RKDS 00 (1)	H	E02V1		1-02 * H		D01				P		262
RKDS 00 (1)				1							2-6/8	262
RKDS 01 (1)	H	E01D2		1-01 * H		D01		1		P		263
RKDS 01 (1)	H	E02D2		1-02 * H		D01				P		263
RKDS 01 (1)				1							2-6/8	263
RKDS 02 (1)	H	E01E2		1-01 * H		D01		1		P		264
RKDS 02 (1)	H	E02E2		1-02 * H		D01				P		264
RKDS 02 (1)				1							2-6/8	264
RKDS 03 (1)	H	E01F2		1-01 * H		D01		1		P		265
RKDS 03 (1)	H	E02F2		1-02 * H		D01				P		265
RKDS 03 (1)				1							2-6/8	265
SC=SA	H	E01H2		1-01 * H		D01		1		P		266
SC=SA	H	E02H2		1-02 * H		D01				P		266
SC=SA				1							2-6/8	266
SCH CMP (1)	H	F01S1		1-01 * H		D01		1		P		267
SCH CMP (1)	H	F02S1		1-02 * H		D01				P		267
SCH CMP (1)				1							2-6/8	267
SECTOR END	L	C02S2		1-01 * H		D01		1		P		268
SECTOR END	L	C03S2		1-02 * H		D01				P		268
SECTOR END				1							2-6/8	268
SECTOR PULSE	H	E01M2		1-01 * H		D01		1		P		269
SECTOR PULSE	H	E02M2		1-02 * H		D01				P		269
SECTOR PULSE				1							2-6/8	269
SEEK OR RESET	H	B03N2		1-01 * H		D02		1				270
SEEK OR RESET	H	F02L2		1-02 * H		D01		2		P		270
SEEK OR RESET	H	F01L2		1-03 * H		D01				P		270
SEEK OR RESET				1							15-4/8	270
SER RD DATA (1)	H	C01V1		1-01 * H		D01		2		P		271
SER RD DATA (1)	H	C02V1		1-02 * H		D01		1		P		271
SER RD DATA (1)	H	C03V1		1-03 * H		D01				P		271
SER RD DATA (1)				1							5-4/8	271

RK11D,E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 29 RUN NUMBER
SIN	H	E01N2		1-01 * H		D01		1		P		272
SIN	H	F02N2		1-02 * H		D01				P		272
SIN				1							2-6/8	272
STOP NPRS	L	C01H1		1-01 * H		D01		1		P		273
STOP NPRS	L	C03H1		1-02 * H		D01				P		273
STOP NPRS				1							3-2/8	273
STOP POLL	L	F01N2		1-01 * H		D01		1		P		274
STOP POLL	L	F02N2		1-02 * H		D01				P		274
STOP POLL				1							2-6/8	274
WC OVF (1)	H	B03S1		1-01 * H		D02		1				275
WC OVF (1)	H	C03J1		1-02 * H		D01		2		P		275
WC OVF (1)	H	C01J1		1-03 * H		D01				P		275
WC OVF (1)				1							7-2/8	275
WRITE	H	F01H2		1-01 * H		D01		1		P		276
WRITE	H	F02H2		1-02 * H		D01				P		276
WRITE				1							2-6/8	276
WT GATE (1)	H	B03M2		1-01 * H		D02		1				277
WT GATE (1)	H	F02P1		1-02 * H		D01		2		P		277
WT GATE (1)	H	F01P1		1-03 * H		D01				P		277
WT GATE (1)				1							16-2/8	277
WT LOCK	H	F01S2		1-01 * H		D01		1		P		278
WT LOCK	H	F02S2		1-02 * H		D01				P		278
WT LOCK				1							2-6/8	278
WT PRCT STATUS	H	E01J2		1-01 * H		D01		1		P		279
WT PRCT STATUS	H	E02J2		1-02 * H		D01				P		279
WT PRCT STATUS				1							2-6/8	279
WT+WT CHK	H	B03H2		1-01 * H		D02		1				280
WT+WT CHK	H	C03P1		1-02 * H		D01		2		P		280
WT+WT CHK	H	C02P1		1-03 * H		D01		1		P		280
WT+WT CHK	H	C01P1		1-04 * H		D01				P		280
WT+WT CHK				1							11-2/8	280
XFER FUNCTION	H	E01V2		1-01 * H		D01		1		P		281
XFER FUNCTION	H	E02V2		1-02 * H		D01				P		281
XFER FUNCTION				1							2-6/8	281

WIRE WRAP RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	AGE 1 RUN NUMBER
+5V		A01A2		1-01 *	H			D02			2		P	HAND WIRE	1
+5V		A02A2		1-02 *	H			D02			1		P	HAND WIRE	1
+5V		A03A2		1-03 *	H			D02			2		P	HAND WIRE	1
+5V		A04A2		1-04 *	H			D02			1		P	HAND WIRE	1
+5V		A03H2		1-05 *	H			D02			2		P	HAND WIRE	1
+5V		A03J2		1-06 *	H			D02			1		P	HAND WIRE	1
+5V		A03K2		1-07 *	H			D02			2		P	HAND WIRE	1
+5V		A03L2		1-08 *	H			D02			1		P	HAND WIRE	1
+5V		A03M2		1-09 *	H			D02			2		P	HAND WIRE	1
+5V		B01A2		1-10 *	H			D02			1		P	HAND WIRE	1
+5V		B02A2		1-11 *	H			D02			2		P	HAND WIRE	1
+5V		B03B1		1-12 *	H			D02			1		P	HAND WIRE	1
+5V		B03A2		1-13 *	H			D02			2		P	HAND WIRE	1
+5V		B04A2		1-14 *	H			D02			1		P	HAND WIRE	1
+5V		C04A2		1-15 *	H			D01			2		P	HAND WIRE	1
+5V		C03A2		1-16 *	H			D01			1		P	HAND WIRE	1
+5V		C02A2		1-17 *	H			D01			2		P	HAND WIRE	1
+5V		C01A2		1-18 *	H			D01			1		P	HAND WIRE	1
+5V		D01A2		1-19 *	H			D01			2		P	HAND WIRE	1
+5V		D02A2		1-20 *	H			D01			1		P	HAND WIRE	1
+5V		D03A2		1-21 *	H			D01			2		P	HAND WIRE	1
+5V		D04A2		1-22 *	H			D01			1		P	HAND WIRE	1
+5V		F04A2		1-23 *	H			D01			2		P	HAND WIRE	1
+5V		F03A2		1-24 *	H			D01			1		P	HAND WIRE	1
+5V		F02A2		1-25 *	H			D01			2		P	HAND WIRE	1
+5V		E01A2		1-26 *	H			D01			1		P	HAND WIRE	1
+5V		F01A2		1-27 *	H			D01			2		P	HAND WIRE	1
+5V		F02A2		1-28 *	H			D01			1		P	HAND WIRE	1
+5V		F03A2		1-29 *	H			D01			2		P	HAND WIRE	1
+5V		F04A2		1-30 *	H			D01					P	H TO WHERE	1
0 TO NPR	H	F01R1		1-01 *	H			D01			1		P	HAND WIRE	2
0 TO NPR	H	F03R2		1-02 *	H			D01			2		P	HAND WIRE	2
0 TO NPR	H	E04R2		1-03 *	H			D01					P	H TO WHERE	2
ADD ACK	H	F01J1		1-01 *	H			D01			1		P	HAND WIRE	3
ADD ACK	H	F02J1		1-02 *	H			D01					P	H TO WHERE	3
B CNTRL RDY	H	E04S2		1-02 *	H			D01			2		P	HAND WIRE	4
B CNTRL RDY	H	F02S2		1-03 *	H			D01			1		P	HAND WIRE	4
B CNTRL RDY	H	E01S2		1-04 *	H			D01					P	H TO WHERE	4
BG IN	H	C01V2		1-01 *	H			D01			1		P	HAND WIRE	13
BG IN	H	C04V2		1-02 *	H			D01					P	H TO WHERE	13
BG OUT	H	C01U2		1-01 *	H			D01			1		P	HAND WIRE	14
BG OUT	H	C04U2		1-02 *	H			D01					P	H TO WHERE	14
BR OUT	L	C01J2		1-01 *	H			D01			1		P	HAND WIRE	15
BR OUT	L	C04J2		1-02 *	H			D01					P	H TO WHERE	15
BUS A00	L	R01H2		1-01 *	H			D02			2		P	HAND WIRE	16
BUS A00	L	B04H2		1-02 *				D02			1			TO HERE	16
BUS A01	L	R01H1		1-01 *	H			D02			2		P	HAND WIRE	17
BUS A01	L	B04H1		1-02 *				D02			1			TO HERE	17
BUS A02	L	B01J2		1-01 *	H			D02			2		P	HAND WIRE	18
BUS A02	L	R04J2		1-02 *				D02			1			TO HERE	18
BUS A03	L	B01J1		1-01 *	H			D02			2		P	HAND WIRE	19
BUS A03	L	B04J1		1-02 *				D02			1			TO HERE	19
BUS A04	L	R01K2		1-01 *	H			D02			2		P	HAND WIRE	20

ERROR LISTING

WK11D.E RUN NAME	A/P	HND288.V22(22) 11/06/73 PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 2 RUN NUMBER
BUS A04	L	R04K2		1-02 *				D02			1			TO HERE	20
BUS A05	L	R01K1		1-01 *	H			D02			2		P	HAND WIRE	21
BUS A05	L	R04K1		1-02 *				D02			1			TO HERE	21
BUS A06	L	B01L2		1-01 *	H			D02			2		P	HAND WIRE	22
BUS A06	L	B04L2		1-02 *				D02			1			TO HERE	22
BUS A07	L	B01L1		1-01 *	H			D02			2		P	HAND WIRE	23
BUS A07	L	R04L1		1-02 *				D02			1			TO HERE	23
BUS A08	L	B01M2		1-01 *	H			D02			2		P	HAND WIRE	24
BUS A08	L	R04M2		1-02 *				D02			1			TO HERE	24
BUS A09	L	B01M1		1-01 *	H			D02			2		P	HAND WIRE	25
BUS A09	L	R04M1		1-02 *				D02			1			TO HERE	25
BUS A10	L	B01N2		1-01 *	H			D02			2		P	HAND WIRE	26
BUS A10	L	B04N2		1-02 *				D02			1			TO HERE	26
BUS A11	L	R01N1		1-01 *	H			D02			2		P	HAND WIRE	27
BUS A11	L	B04N1		1-02 *				D02			1			TO HERE	27
BUS A12	L	B01P2		1-01 *	H			D02			2		P	HAND WIRE	28
BUS A12	L	B04P2		1-02 *				D02			1			TO HERE	28
BUS A13	L	B01P1		1-01 *	H			D02			2		P	HAND WIRE	29
BUS A13	L	B04P1		1-02 *				D02			1			TO HERE	29
BUS A14	L	B01R2		1-01 *	H			D02			1		P	HAND WIRE	30
BUS A14	L	B04R2		1-02 *				D02			2			TO HERE	30
BUS A15	L	B01R1		1-01 *	H			D02			2		P	HAND WIRE	31
BUS A15	L	B04R1		1-02 *				D02			1			TO HERE	31
BUS A16	L	R01S2	B04S2	1-01 *	H			D02			1		P	HAND WIRE	32
BUS A16	L	B04S2	C04D1	1-02 *				D02			2			TO HERE	32
BUS A16	L	C04D1	C01D1	1-03 *	H			D01			1		P	HAND WIRE	32
BUS A16	L	C01D1		1-04 *				D01						TO HERE	32
BUS A17	L	B01S1	B04S1	1-01 *	H			D02			1		P	HAND WIRE	33
BUS A17	L	R04S1	C04E1	1-02 *				D02			2			TO HERE	33
BUS A17	L	C04E1	C01E1	1-03 *	H			D01			1		P	HAND WIRE	33
BUS A17	L	C01E1		1-04 *				D01						TO HERE	33
BUS AC LO	L	B01F1		1-02 *	H						2		P	HAND WIRE	34
BUS AC LO	L	B04F1		1-03 *							1			TO HERE	34
BUS BBSY	L	A01P2		1-01 *	H			D02			2		P	HAND WIRE	35
BUS BBSY	L	A04P2		1-02 *				D02			1			TO HERE	35
BUS BR 4	L	B04D2		1-01 *	H			D02			2		P	HAND WIRE	36
BUS BR 4	L	B01D2		1-02 *				D02			1			TO HERE	36
BUS BR 5	L	B04C1		1-01 *	H						2		P	HAND WIRE	37
BUS BR 5	L	B01C1		1-02 *				D02			1			TO HERE	37
BUS BR 6	L	A04U2		1-01 *	H			D02			2		P	HAND WIRE	38
BUS BR 6	L	A01U2		1-02 *				D02			1			TO HERE	38
BUS BR 7	L	A04T2		1-01 *	H			D02			2		P	HAND WIRE	39
BUS BR 7	L	A01T2		1-02 *				D02			1			TO HERE	39
BUS C0	L	B01U2		1-01 *	H			D02			2		P	HAND WIRE	40
BUS C0	L	R04U2		1-02 *				D02			1			TO HERE	40
BUS C1	L	B01T2		1-01 *	H			D02			2		P	HAND WIRE	41
BUS C1	L	R04T2		1-02 *				D02			1			TO HERE	41
BUS D EN	H	C04U1			H			D01					P	1-PIN RUN	42
BUS D00	L	A01C1		1-01 *	H			D02			2		P	HAND WIRE	43
BUS D00	L	A04C1		1-02 *				D02			1			TO HERE	43
BUS D00 (1)	H	D01D2		1-01 *	H			D01			1		P	HAND WIRE	44
BUS D00 (1)	H	D03D2		1-02 *	H			D01			2		P	HAND WIRE	44
BUS D00 (1)	H	D04D2		1-03 *	H			D01					P	H TO WHERE	44

ERROR LISTING

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 3 RUN NUMBER
BUS D01	L	A01D2		1-01 *	H		D02				2		P	HAND WIRE	45
BUS D01	L	A04D2		1-02 *			D02				1			TO HERE	45
BUS D01 (1)	H	D01E2		1-01 *	H		D01				1		P	HAND WIRE	46
BUS D01 (1)	H	D03E2		1-02 *	H		D01				2		P	HAND WIRE	46
BUS D01 (1)	H	D04E2		1-03 *	H		D01						P	H TO WHERE	46
BUS D02	L	A01D1		1-01 *	H		D02				2		P	HAND WIRE	47
BUS D02	L	A04D1		1-02 *			D02				1			TO HERE	47
BUS D02 (1)	H	D01F2		1-01 *	H		D01				1		P	HAND WIRE	48
BUS D02 (1)	H	D03F2		1-02 *	H		D01				2		P	HAND WIRE	48
BUS D02 (1)	H	D04F2		1-03 *	H		D01						P	H TO WHERE	48
BUS D03	L	A01E2		1-01 *	H		D02				2		P	HAND WIRE	49
BUS D03	L	A04E2		1-02 *			D02				1			TO HERE	49
BUS D03 (1)	H	D01H2		1-01 *	H		D01				1		P	HAND WIRE	50
BUS D03 (1)	H	D03H2		1-02 *	H		D01				2		P	HAND WIRE	50
BUS D03 (1)	H	D04H2		1-03 *	H		D01						P	H TO WHERE	50
BUS D04	L	A01E1		1-01 *	H		D02				2		P	HAND WIRE	51
BUS D04	L	A04E1		1-02 *			D02				1			TO HERE	51
BUS D04 (1)	H	D01J2		1-01 *	H		D01				1		P	HAND WIRE	52
BUS D04 (1)	H	D03J2		1-02 *	H		D01				2		P	HAND WIRE	52
BUS D04 (1)	H	D04J2		1-03 *	H		D01						P	H TO WHERE	52
BUS D05	L	A01F2		1-01 *	H		D02				2		P	HAND WIRE	53
BUS D05	L	A04F2		1-02 *			D02				1			TO HERE	53
BUS D05 (1)	H	D01K2		1-01 *	H		D01				1		P	HAND WIRE	54
BUS D05 (1)	H	D03K2		1-02 *	H		D01				2		P	HAND WIRE	54
BUS D05 (1)	H	D04K2		1-03 *	H		D01						P	H TO WHERE	54
BUS D06	L	A01F1		1-01 *	H		D02				2		P	HAND WIRE	55
BUS D06	L	A04F1		1-02 *			D02				1			TO HERE	55
BUS D06 (1)	H	D01L2		1-01 *	H		D01				1		P	HAND WIRE	56
BUS D06 (1)	H	D03L2		1-02 *	H		D01				2		P	HAND WIRE	56
BUS D06 (1)	H	D04L2		1-03 *	H		D01						P	H TO WHERE	56
BUS D07	L	A01H2		1-01 *	H		D02				2		P	HAND WIRE	57
BUS D07	L	A04H2		1-02 *			D02				1			TO HERE	57
BUS D07 (1)	H	D01M2		1-01 *	H		D01				1		P	HAND WIRE	58
BUS D07 (1)	H	D03M2		1-02 *	H		D01				2		P	HAND WIRE	58
BUS D07 (1)	H	D04M2		1-03 *	H		D01						P	H TO WHERE	58
BUS D08	L	A01H1		1-01 *	H		D02				2		P	HAND WIRE	59
BUS D08	L	A04H1		1-02 *			D02				1			TO HERE	59
BUS D08 (1)	H	D01N2		1-01 *	H		D01				1		P	HAND WIRE	60
BUS D08 (1)	H	D03N2		1-02 *	H		D01				2		P	HAND WIRE	60
BUS D08 (1)	H	D04N2		1-03 *	H		D01						P	H TO WHERE	60
BUS D09	L	A01J2		1-01 *	H		D02				2		P	HAND WIRE	61
BUS D09	L	A04J2		1-02 *			D02				1			TO HERE	61
BUS D09 (1)	H	D01P2		1-01 *	H		D01				1		P	HAND WIRE	62
BUS D09 (1)	H	D03P2		1-02 *	H		D01				2		P	HAND WIRE	62
BUS D09 (1)	H	D04P2		1-03 *	H		D01						P	H TO WHERE	62
BUS D10	L	A01J1		1-01 *	H		D02				2		P	HAND WIRE	63
BUS D10	L	A04J1		1-02 *			D02				1			TO HERE	63
BUS D10 (1)	H	D01R2		1-01 *	H		D01				1		P	HAND WIRE	64
BUS D10 (1)	H	D03R2		1-02 *	H		D01				2		P	HAND WIRE	64
BUS D10 (1)	H	D04R2		1-03 *	H		D01						P	H TO WHERE	64
BUS D11	L	A01K2		1-01 *	H		D02				2		P	HAND WIRE	65
BUS D11	L	A04K2		1-02 *			D02				1			TO HERE	65
BUS D11 (1)	H	D01S2		1-01 *	H		D01				1		P	HAND WIRE	66

ERROR LISTING

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 4 RUN NUMBER
BUS D11 (1)	H	D03S2		1-02 *	H		D01				2		P	HAND WIRE	66
BUS D11 (1)	H	D04S2		1-03 *	H		D01						P	H TO WHERE	66
BUS D12	L	A01K1		1-01 *	H		D02				2			HAND WIRE	67
BUS D12	L	A04K1		1-02 *			D02				1			TO HERE	67
BUS D12 (1)	H	D01T2		1-01 *	H		D01				1		P	HAND WIRE	68
BUS D12 (1)	H	D03T2		1-02 *	H		D01				2		P	HAND WIRE	68
BUS D12 (1)	H	D04T2		1-03 *	H		D01						P	H TO WHERE	68
BUS D13	L	A01L2		1-01 *	H		D02				2			HAND WIRE	69
BUS D13	L	A04L2		1-02 *			D02				1			TO HERE	69
BUS D13 (1)	H	D01U2		1-01 *	H		D01				1		P	HAND WIRE	70
BUS D13 (1)	H	D03U2		1-02 *	H		D01				2		P	HAND WIRE	70
BUS D13 (1)	H	D04U2		1-03 *	H		D01						P	H TO WHERE	70
BUS D14	L	A01L1		1-01 *	H		D02				2			HAND WIRE	71
BUS D14	L	A04L1		1-02 *			D02				1			TO HERE	71
BUS D14 (1)	H	D01V2		1-01 *	H		D01				1		P	HAND WIRE	72
BUS D14 (1)	H	D03V2		1-02 *	H		D01				2		P	HAND WIRE	72
BUS D14 (1)	H	D04V2		1-03 *	H		D01						P	H TO WHERE	72
BUS D15	L	A01M2		1-01 *	H		D02				2			HAND WIRE	73
BUS D15	L	A04M2		1-02 *			D02				1			TO HERE	73
BUS D15 (1)	H	D01V1		1-01 *	H		D01				1		P	HAND WIRE	74
BUS D15 (1)	H	D03V1		1-02 *	H		D01				2		P	HAND WIRE	74
BUS D15 (1)	H	D04V1		1-03 *	H		D01						P	H TO WHERE	74
BUS D16	L	A01M1	A04M1	1-01 *	H		D02				2			HAND WIRE	75
BUS D16	L	A04M1		1-02 *			D02				1			TO HERE	75
BUS D17	L	A01N2	A04N2	1-01 *	H		D02				2		P	HAND WIRE	76
BUS D17	L	A04N2		1-02 *			D02				1			TO HERE	76
BUS INIT	L	A04A1		1-01 *	H		D02				2			HAND WIRE	78
BUS INIT	L	A01A1		1-02 *			D02				1			TO HERE	78
BUS INTR	L	A01B1		1-01 *	H		D02				2		P	HAND WIRE	79
BUS INTR	L	A04B1		1-02 *			D02				1			TO HERE	79
BUS MSYN	L	B01V1		1-01 *	H		D02				2			HAND WIRE	80
BUS MSYN	L	B04V1		1-02 *			D02				1			TO HERE	80
BUS NPR	L	A01S2		1-01 *	H		D02				2			HAND WIRE	83
BUS NPR	L	A04S2		1-02 *			D02				1			TO HERE	83
BUS SACK	L	A01R2		1-01 *	H		D02				2		P	HAND WIRE	84
BUS SACK	L	A04R2		1-02 *			D02				1			TO HERE	84
BUS SSYN	L	B01U1		1-01 *	H		D02				2			HAND WIRE	85
BUS SSYN	L	B04U1		1-02 *			D02				1			TO HERE	85
CLK	H	E01E1		1-02 *	H		D01				2		P	HAND WIRE	86
CLK	H	E03D2		1-03 *	H		D01						P	H TO WHERE	86
CLR MSR	L	F01F2		1-01 *	H		D01				1			HAND WIRE	87
CLR MSR	L	F02F2		1-02 *	H		D01						P	H TO WHERE	87
COUNT SA	H	C01M1		1-01 *	H		D01				1			HAND WIRE	88
COUNT SA	H	C03M1		1-02 *	H		D01						P	H TO WHERE	88
CYL QVF	L	C02R2		1-01 *	H		D01				1			HAND WIRE	89
CYL QVF	L	C03R2		1-02 *	H		D01						P	H TO WHERE	89
DATA (1)	H	C03S1		1-02 *	H		D01				2			HAND WIRE	90
DATA (1)	H	C02S1		1-03 *	H		D01				1			HAND WIRE	90
DATA (1)	H	C01S1		1-04 *	H		D01						P	H TO WHERE	90
DATA STR 1	L	F04N2			H		D01							1-PIN RUN	91
DATA STR 2	L	F03L2		1-01 *	H		D01				1			HAND WIRE	92
DATA STR 2	L	F04L2		1-02 *	H		D01							H TO WHERE	92

RK11 RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 5 RUN NUMBER	
DISK CLK	L	F02V1		1-02 * H		D01								P	H TO WHERE	93
DLT (1)	H	E01P1		1-01 * H		D01					1			P	HAND WIRE	94
DLT (1)	H	E03P2		1-02 * H		D01								P	H TO WHERE	94
DPL (1)	H	F01D1		1-01 * H		D01					1			P	HAND WIRE	95
DPL (1)	H	F02D1		1-02 * H		D01								P	H TO WHERE	95
DRE (1)	H	F01R1		1-01 * H		D01					1			P	HAND WIRE	132
DRE (1)	H	F02R1		1-02 * H		D01								P	H TO WHERE	132
DRIVE OK	H	F01N1		1-01 * H		D01					1			P	HAND WIRE	133
DRIVE OK	H	F02N1		1-02 * H		D01								P	H TO WHERE	133
DRIVE RESET	L	F01K2		1-01 * H		D01					1			P	HAND WIRE	134
DRIVE RESET	L	F02K2		1-02 * H		D01								P	H TO WHERE	134
DRIVE UNSAFE	H	F01B1		1-01 * H		D01					1			P	HAND WIRE	135
DRIVE UNSAFE	H	F02B1		1-02 * H		D01								P	H TO WHERE	135
DRY	H	E01L2		1-01 * H		D01					1			P	HAND WIRE	136
DRY	H	E02L2		1-02 * H		D01								P	H TO WHERE	136
END OF SYNC	L	F01R2		1-01 * H		D01					1			P	HAND WIRE	137
END OF SYNC	L	F02R2		1-02 * H		D01								P	H TO WHERE	137
EX BIT	H	F01V2		1-01 * H		D01					1			P	HAND WIRE	138
EX BIT	H	F02V2		1-02 * H		D01								P	H TO WHERE	138
FILE DONE	H	C01F1		1-01 * H							1			P	HAND WIRE	139
FILE DONE	H	C03F1		1-02 * H										P	H TO WHERE	139
FIRST SEEK DONE	H	E01U2		1-01 * H		D01					1			P	HAND WIRE	142
FIRST SEEK DONE	H	E02U2		1-02 * H		D01								P	H TO WHERE	142
FMT (1)	H	C01N1		1-01 * H		D01					2			P	HAND WIRE	143
FMT (1)	H	C02N1		1-02 * H		D01					1			P	HAND WIRE	143
FMT (1)	H	C03N1		1-03 * H		D01								P	H TO WHERE	143
GATE DATA TO BUS D	L	C02A1		1-01 * H		D01					2			P	HAND WIRE	144
GATE DATA TO BUS D	L	C03A1		1-02 * H		D01					1			P	HAND WIRE	144
GATE DATA TO BUS D	L	C04A1		1-03 * H		D01								P	H TO WHERE	144
GEN CLR	L	E01R2	E02R2	1-01 * H		D01					2			P	HAND WIRE	145
GEN CLR	L	E02R2		1-02 * H		D01					1			P	H TO WHERE	145
GEN DATA	H	F01E2		1-01 * H		D01					1			P	HAND WIRE	146
GEN DATA	H	F02E2		1-02 * H		D01								P	H TO WHERE	146
GND 01		C01C2		1-02 * H	D01						2			P	HAND WIRE	147
GND 01		A01B2		1-03 * H	D02						1			P	HAND WIRE	147
GND 01		A01C2		1-04 * H	D02						2			P	HAND WIRE	147
GND 01		A01N1		1-05 * H	D02						1			P	HAND WIRE	147
GND 01		A01P1		1-06 * H	D02						2			P	HAND WIRE	147
GND 01		A01R1		1-07 * H	D02						1			P	HAND WIRE	147
GND 01		A01S1		1-08 * H	D02						2			P	HAND WIRE	147
GND 01		A01T1		1-09 * H	D02						1			P	HAND WIRE	147
GND 01		A01V2		1-10 * H	D02						2			P	HAND WIRE	147
GND 01		B01B2		1-11 * H	D02						1			P	HAND WIRE	147
GND 01		B01C2		1-12 * H	D02						2			P	HAND WIRE	147
GND 01		B01D1		1-13 * H	D02						1			P	HAND WIRE	147
GND 01		B01E1		1-14 * H	D02						2			P	HAND WIRE	147
GND 01		B01T1		1-15 * H	D02						1			P	HAND WIRE	147
GND 01		B01V2		1-16 * H	D02						2			P	HAND WIRE	147
GND 01		C01T1		1-17 * H	D01						1			P	HAND WIRE	147
GND 01		D01C2		1-18 * H	D01						2			P	HAND WIRE	147
GND 01		D01T1		1-19 * H	D01						1			P	HAND WIRE	147
GND 01		E01C2		1-20 * H	D01						2			P	HAND WIRE	147
GND 01		E01T1		1-21 * H	D01						1			P	HAND WIRE	147

ERROR LISTING

RK11D,E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 6 RUN NUMBER	
GND 01		F01C2		1-22 * H		D01					2			P	HAND WIRE	147
GND 01		F01T1		1-23 * H		D01								P	H TO WHERE	147
GND 02		A02B2		1-01 * H		D02					2			P	HAND WIRE	148
GND 02		A02C2		1-02 * H		D02					1			P	HAND WIRE	148
GND 02		A02N1		1-03 * H		D02					2			P	HAND WIRE	148
GND 02		A02P1		1-04 * H		D02					1			P	HAND WIRE	148
GND 02		A02R1		1-05 * H		D02					2			P	HAND WIRE	148
GND 02		A02S1		1-06 * H		D02					1			P	HAND WIRE	148
GND 02		A02T1		1-07 * H		D02					2			P	HAND WIRE	148
GND 02		A02V2		1-08 * H		D02					1			P	HAND WIRE	148
GND 02		A02U1		1-09 * H							2			P	HAND WIRE	148
GND 02		B02B2		1-10 * H		D02					1			P	HAND WIRE	148
GND 02		B02C2		1-11 * H		D02					2			P	HAND WIRE	148
GND 02		B02D1		1-12 * H		D02					1			P	HAND WIRE	148
GND 02		B02E1		1-13 * H		D02					2			P	HAND WIRE	148
GND 02		B02T1		1-14 * H		D02					1			P	HAND WIRE	148
GND 02		B02V2		1-15 * H		D02					2			P	HAND WIRE	148
GND 02		C02C2		1-16 * H		D01					1			P	HAND WIRE	148
GND 02		C02T1		1-17 * H		D01					2			P	HAND WIRE	148
GND 02		D02C2		1-18 * H		D01					1			P	HAND WIRE	148
GND 02		D02T1		1-19 * H		D01					2			P	HAND WIRE	148
GND 02		E02C2		1-20 * H		D01					1			P	HAND WIRE	148
GND 02		F02T1		1-21 * H		D01					2			P	HAND WIRE	148
GND 02		F02C2		1-22 * H		D01					1			P	HAND WIRE	148
GND 02		F02T1		1-23 * H		D01								P	H TO WHERE	148
GND 03		A03C2		1-01 * H		D02					1			P	HAND WIRE	149
GND 03		A03D2		1-02 * H		D02					2			P	HAND WIRE	149
GND 03		A03E2		1-03 * H		D02					1			P	HAND WIRE	149
GND 03		A03F2		1-04 * H		D02					2			P	HAND WIRE	149
GND 03		A03N1		1-05 * H		D02					1			P	HAND WIRE	149
GND 03		A03P1		1-06 * H		D02					2			P	HAND WIRE	149
GND 03		A03R1		1-07 * H		D02					1			P	HAND WIRE	149
GND 03		A03S1		1-08 * H		D02					2			P	HAND WIRE	149
GND 03		A03T1		1-09 * H		D02					1			P	HAND WIRE	149
GND 03		A03U1		1-10 * H		D02					2			P	HAND WIRE	149
GND 03		A03V1		1-11 * H							1			P	HAND WIRE	149
GND 03		B03C2		1-12 * H		D02					2			P	HAND WIRE	149
GND 03		B03T1		1-13 * H		D02					1			P	HAND WIRE	149
GND 03		C03C2		1-14 * H		D01					2			P	HAND WIRE	149
GND 03		C03T1		1-15 * H		D01					1			P	HAND WIRE	149
GND 03		D03C2		1-16 * H		D01					2			P	HAND WIRE	149
GND 03		D03T1		1-17 * H		D01					1			P	HAND WIRE	149
GND 03		E03C2		1-18 * H		D01					2			P	HAND WIRE	149
GND 03		E03T1		1-19 * H		D01					1			P	HAND WIRE	149
GND 03		F03C2		1-20 * H		D01					2			P	HAND WIRE	149
GND 03		F03T1		1-21 * H		D01								P	H TO WHERE	149
GND 04		A04B2		1-01 * H		D02					1			P	HAND WIRE	150
GND 04		A04C2		1-02 * H		D02					2			P	HAND WIRE	150
GND 04		A04N1		1-03 * H		D02					1			P	HAND WIRE	150
GND 04		A04P1		1-04 * H		D02					2			P	HAND WIRE	150
GND 04		A04R1		1-05 * H		D02					1			P	HAND WIRE	150
GND 04		A04S1		1-06 * H		D02					2			P	HAND WIRE	150
GND 04		A04T1		1-07 * H		D02					1			P	HAND WIRE	150

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	ORDER PIN	06/73 BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 7 RUN NUMBER
GND 04		A04V2		1-08 *	H			D02			2		P	HAND WIRE	150
GND 04		B04B2		1-09 *	H			D02			1		P	HAND WIRE	150
GND 04		B04C2		1-10 *	H			D02			2		P	HAND WIRE	150
GND 04		B04D1		1-11 *	H			D02			1		P	HAND WIRE	150
GND 04		B04E1		1-12 *	H			D02			2		P	HAND WIRE	150
GND 04		B04T1		1-13 *	H			D02			1		P	HAND WIRE	150
GND 04		B04V2		1-14 *	H			D02			2		P	HAND WIRE	150
GND 04		C04C2		1-15 *	H			D01			1		P	HAND WIRE	150
GND 04		C04T1		1-16 *	H			D01			2		P	HAND WIRE	150
GND 04		D04C2		1-17 *	H			D01			1		P	HAND WIRE	150
GND 04		D04T1		1-18 *	H			D01			2		P	HAND WIRE	150
GND 04		E04C2		1-19 *	H			D01			1		P	HAND WIRE	150
GND 04		E04T1		1-20 *	H			D01			2		P	HAND WIRE	150
GND 04		F04C2		1-21 *	H			D01			1		P	HAND WIRE	150
GND 04		F04T1		1-22 *	H			D01			2		P	H TO WHERE	150
HE (1)	H	F02T2		1-02 *	H			D01			2		P	HAND WIRE	151
HE (1)	H	F01T2		1-03 *	H			D01			1		P	H TO WHERE	151
HEAD + CHK SUM	H	F01P2		1-01 *	H			D01			1		P	HAND WIRE	152
HEAD + CHK SUM	H	F02P2		1-02 *	H			D01			1		P	H TO WHERE	152
HEAD OK (1)	L	F01U2		1-01 *	H			D01			1		P	HAND WIRE	153
HEAD OK (1)	L	F02U2		1-02 *	H			D01			1		P	H TO WHERE	153
HEADER (1)	H	C01U1		1-01 *	H			D01			1		P	HAND WIRE	154
HEADER (1)	H	C03U1		1-02 *	H			D01			1		P	H TO WHERE	154
IBA (0)	H	E01K2		1-01 *	H			D01			1		P	HAND WIRE	155
IBA (0)	H	E03K2		1-02 *	H			D01			1		P	H TO WHERE	155
ID 0 (1)	H	F01E1		1-01 *	H			D01			1		P	HAND WIRE	156
ID 0 (1)	H	F02E1		1-02 *	H			D01			1		P	H TO WHERE	156
ID 1 (1)	H	F01F1		1-01 *	H			D01			1		P	HAND WIRE	157
ID 1 (1)	H	F02F1		1-02 *	H			D01			1		P	H TO WHERE	157
ID 2 (1)	H	F01H1		1-01 *	H			D01			1		P	HAND WIRE	158
ID 2 (1)	H	F02H1		1-02 *	H			D01			1		P	H TO WHERE	158
IDE (1)	H	E01A1		1-01 *	H			D01			1		P	HAND WIRE	159
IDE (1)	H	D02V2		1-02 *	H			D01			2		P	HAND WIRE	159
IDE (1)	H	E04A1		1-03 *	H			D01			1		P	H TO WHERE	159
ILLEGAL ADD	H	F01K1		1-01 *	H			D01			1		P	HAND WIRE	160
ILLEGAL ADD	H	F02K1		1-02 *	H			D01			1		P	H TO WHERE	160
INIT	H	F01T2		1-01 *	H			D01			2		P	HAND WIRE	162
INIT	H	E02T2		1-02 *	H			D01			1		P	H TO WHERE	162
INIT	H	E03T2		1-03 *	H			D01			1		P	HAND WIRE	162
INIT	L	F01A1		1-01 *	H			D01			2		P	HAND WIRE	163
INIT	L	F02A1		1-02 *	H			D01			1		P	HAND WIRE	163
INIT	L	F03A1		1-03 *	H			D01			2		P	HAND WIRE	163
INIT	L	F04A1		1-04 *	H			D01			1		P	H TO WHERE	163
INT BUS A00 (1)	H	D01A1		1-01 *	H			D01			1		P	HAND WIRE	164
INT BUS A00 (1)	H	D03A1		1-02 *	H			D01			1		P	H TO WHERE	164
INT BUS A01 (1)	H	D01B1		1-01 *	H			D01			1		P	HAND WIRE	165
INT BUS A01 (1)	H	D03B1		1-02 *	H			D01			1		P	H TO WHERE	165
INT BUS A02 (1)	H	D01C1		1-01 *	H			D01			1		P	HAND WIRE	166
INT BUS A02 (1)	H	D03C1		1-02 *	H			D01			1		P	H TO WHERE	166
INT BUS A03 (1)	H	D01D1		1-01 *	H			D01			1		P	HAND WIRE	167
INT BUS A03 (1)	H	D03D1		1-02 *	H			D01			1		P	H TO WHERE	167
INT BUS A04 (1)	H	D01E1		1-01 *	H			D01			1		P	HAND WIRE	168
INT BUS A04 (1)	H	D03E1		1-02 *	H			D01			1		P	H TO WHERE	168

ERROR LISTING

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	ORDER PIN	11/06/73 BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 8 RUN NUMBER
INT BUS A05 (1)	H	D01F1		1-01 *	H			D01			1		P	HAND WIRE	169
INT BUS A05 (1)	H	D03F1		1-02 *	H			D01			1		P	H TO WHERE	169
INT BUS A06 (1)	H	D01H1		1-01 *	H			D01			1		P	HAND WIRE	170
INT BUS A06 (1)	H	D03H1		1-02 *	H			D01			1		P	H TO WHERE	170
INT BUS A07 (1)	H	D01J1		1-01 *	H			D01			1		P	HAND WIRE	171
INT BUS A07 (1)	H	D03J1		1-02 *	H			D01			1		P	H TO WHERE	171
INT BUS A08 (1)	H	D01K1		1-01 *	H			D01			1		P	HAND WIRE	172
INT BUS A08 (1)	H	D03K1		1-02 *	H			D01			1		P	H TO WHERE	172
INT BUS A09 (1)	H	D01L1		1-01 *	H			D01			1		P	HAND WIRE	173
INT BUS A09 (1)	H	D03L1		1-02 *	H			D01			1		P	H TO WHERE	173
INT BUS A10 (1)	H	D01M1		1-01 *	H			D01			1		P	HAND WIRE	174
INT BUS A10 (1)	H	D03M1		1-02 *	H			D01			1		P	H TO WHERE	174
INT BUS A11 (1)	H	D01N1		1-01 *	H			D01			1		P	HAND WIRE	175
INT BUS A11 (1)	H	D03N1		1-02 *	H			D01			1		P	H TO WHERE	175
INT BUS A12 (1)	H	D01P1		1-01 *	H			D01			1		P	HAND WIRE	176
INT BUS A12 (1)	H	D03P1		1-02 *	H			D01			1		P	H TO WHERE	176
INT BUS A13 (1)	H	D01R1		1-01 *	H			D01			1		P	HAND WIRE	177
INT BUS A13 (1)	H	D03R1		1-02 *	H			D01			1		P	H TO WHERE	177
INT BUS A14 (1)	H	D01S1		1-01 *	H			D01			1		P	HAND WIRE	178
INT BUS A14 (1)	H	D03S1		1-02 *	H			D01			1		P	H TO WHERE	178
INT BUS A15 (1)	H	D01U1		1-01 *	H			D01			1		P	HAND WIRE	179
INT BUS A15 (1)	H	D03U1		1-02 *	H			D01			1		P	H TO WHERE	179
INT BUS D00 (1)	H	F03V2		1-01 *	H			D01			1		P	HAND WIRE	180
INT BUS D00 (1)	H	F04V2		1-02 *	H			D01			1		P	H TO WHERE	180
INT BUS D01 (1)	H	F03U2		1-01 *	H			D01			1		P	HAND WIRE	181
INT BUS D01 (1)	H	F04U2		1-02 *	H			D01			1		P	H TO WHERE	181
INT BUS D02 (1)	H	F03T2		1-01 *	H			D01			1		P	HAND WIRE	182
INT BUS D02 (1)	H	F04T2		1-02 *	H			D01			1		P	H TO WHERE	182
INT BUS D03 (1)	H	F03S2		1-01 *	H			D01			1		P	HAND WIRE	183
INT BUS D03 (1)	H	F04S2		1-02 *	H			D01			1		P	H TO WHERE	183
INT BUS D04 (1)	H	F03R2		1-01 *	H			D01			1		P	HAND WIRE	184
INT BUS D04 (1)	H	F04R2		1-02 *	H			D01			1		P	H TO WHERE	184
INT BUS D05 (1)	H	F03P2		1-01 *	H			D01			1		P	HAND WIRE	185
INT BUS D05 (1)	H	F04P2		1-02 *	H			D01			1		P	H TO WHERE	185
INT BUS D06 (1)	H	F03N2		1-01 *	H			D01			1		P	HAND WIRE	186
INT BUS D06 (1)	H	F04N2		1-02 *	H			D01			1		P	H TO WHERE	186
INT BUS D07 (1)	H	F03M2		1-01 *	H			D01			1		P	HAND WIRE	187
INT BUS D07 (1)	H	F04M2		1-02 *	H			D01			1		P	H TO WHERE	187
INT BUS D08 (1)	H	F03L2		1-01 *	H			D01			1		P	HAND WIRE	188
INT BUS D08 (1)	H	F04L2		1-02 *	H			D01			1		P	H TO WHERE	188
INT BUS D09 (1)	H	F03K2		1-01 *	H			D01			1		P	HAND WIRE	189
INT BUS D09 (1)	H	F04K2		1-02 *	H			D01			1		P	H TO WHERE	189
INT BUS D10 (1)	H	F03J2		1-01 *	H			D01			1		P	HAND WIRE	190
INT BUS D10 (1)	H	F04J2		1-02 *	H			D01			1		P	H TO WHERE	190
INT BUS D11 (1)	H	F03H2		1-01 *	H			D01			1		P	HAND WIRE	191
INT BUS D11 (1)	H	F04H2		1-02 *	H			D01			1		P	H TO WHERE	191
INT BUS D12 (1)	H	F03F2		1-01 *	H			D01			1		P	HAND WIRE	192
INT BUS D12 (1)	H	F04F2		1-02 *	H			D01			1		P	H TO WHERE	192
INT BUS D13 (1)	H	F03E2		1-01 *	H			D01			1		P	HAND WIRE	193
INT BUS D13 (1)	H	F04E2		1-02 *	H			D01			1		P	H TO WHERE	193
INT BUS D14 (1)	H	F03D2		1-01 *	H			D01			1		P	HAND WIRE	194
INT BUS D14 (1)	H	F04D2		1-02 *	H			D01			1		P	H TO WHERE	194

HND288.V22(22) 11/06/73											15-JAN-74	23:58	PAGE 9		
RK10.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
INT BUS D15 (1)	H	F04B1		1-02 *	H		D01						P	H TO WHERE	195
LAST BIT	H	F01D2		1-01 *	H		D01				1		P	HAND WIRE	196
LAST BIT	H	F02D2		1-02 *	H		D01						P	H TO WHERE	196
LAST SECTOR	L	C02U2		1-01 *	H		D01				1		P	HAND WIRE	197
LAST SECTOR	L	C03U2		1-02 *	H		D01						P	H TO WHERE	197
LAST WORD DONE	L	C01L1		1-01 *	H		D01				1		P	HAND WIRE	198
LAST WORD DONE	L	C03L1		1-02 *	H		D01						P	H TO WHERE	198
LOAD RKBA HI	L	E03V2		1-01 *	H		D01				1		P	HAND WIRE	199
LOAD RKBA HI	L	E04V2		1-02 *	H		D01						P	H TO WHERE	199
LOAD RKBA LO	L	E03H2		1-01 *	H		D01				1		P	HAND WIRE	200
LOAD RKBA LO	L	E04H2		1-02 *	H		D01						P	H TO WHERE	200
LOAD RKCS HI	L	E01L1		1-01 *	H		D01				1		P	HAND WIRE	201
LOAD RKCS HI	L	F04L1		1-02 *	H		D01						P	H TO WHERE	201
LOAD RKCS LO	L	E01M1		1-01 *	H		D01				1		P	HAND WIRE	202
LOAD RKCS LO	L	E04M1		1-02 *	H		D01						P	H TO WHERE	202
LOAD RKDA HI	L	E03E2		1-01 *	H		D01				1		P	HAND WIRE	203
LOAD RKDA HI	L	E04E2		1-02 *	H		D01						P	H TO WHERE	203
LOAD RKDA LO	L	E03F2		1-01 *	H		D01				1		P	HAND WIRE	204
LOAD RKDA LO	L	E04F2		1-02 *	H		D01						P	H TO WHERE	204
LOAD RKWC HI	L	E01B1		1-01 *	H		D01				1		P	HAND WIRE	205
LOAD RKWC HI	L	E04B1		1-02 *	H		D01						P	H TO WHERE	205
LOAD RKWC LO	L	F01F1		1-01 *	H		D01				1		P	HAND WIRE	206
LOAD RKWC LO	L	F04F1		1-02 *	H		D01						P	H TO WHERE	206
NEW FUN	L	C01R1		1-01 *	H		D01				2		P	HAND WIRE	208
NEW FUN	L	C02R1		1-02 *	H		D01				1		P	HAND WIRE	208
NEW FUN	L	C03R1		1-03 *	H		D01						P	H TO WHERE	208
NPR REQ	H	E03J2		1-01 *	H		D01				1		P	HAND WIRE	210
NPR REQ	H	E04J2		1-02 *	H		D01						P	H TO WHERE	210
NXM (1)	H	E01N1		1-01 *	H		D01				1		P	HAND WIRE	211
NXM (1)	H	E04N1		1-02 *	H		D01						P	H TO WHERE	211
POLL DONE	L	F01U1		1-01 *	H		D01				1		P	HAND WIRE	213
POLL DONE	L	F02U1		1-02 *	H		D01						P	H TO WHERE	213
PREAMBLE (1)	H	F01M2		1-01 *	H		D01				1		P	HAND WIRE	214
PREAMBLE (1)	H	F02M2		1-02 *	H		D01						P	H TO WHERE	214
R/W/S RDY	H	E01P2		1-01 *	H		D01				1		P	HAND WIRE	215
R/W/S RDY	H	E02P2		1-02 *	H		D01						P	H TO WHERE	215
RD DATA=WT DATA	H	F01M1		1-01 *	H		D01				1		P	HAND WIRE	216
RD DATA=WT DATA	H	F02M1		1-02 *	H		D01						P	H TO WHERE	216
RD GATE EN	H	F01J2		1-01 *	H		D01				1		P	HAND WIRE	218
RD GATE EN	H	F02J2		1-02 *	H		D01						P	H TO WHERE	218
RD HEADER (1)	H	F01L1		1-01 *	H		D01				1		P	HAND WIRE	219
RD HEADER (1)	H	F02L1		1-02 *	H		D01						P	H TO WHERE	219
RD+RD CHK	H	C03K1		1-02 *	H		D01				2		P	HAND WIRE	220
RD+RD CHK	H	C01K1		1-03 *	H		D01						P	H TO WHERE	220
READ	H	E01U1		1-01 *	H		D01				1		P	HAND WIRE	221
READ	H	E03U2		1-02 *	H		D01				2		P	HAND WIRE	221
READ	H	E04U2		1-03 *	H		D01						P	H TO WHERE	221
RK INT MASTER	H	D02U1		1-01 *	H		D01				1		P	HAND WIRE	222
RK INT MASTER	H	D04U1		1-02 *	H		D01						P	H TO WHERE	222
RK INT REQ	H	E02K2		1-01 *	H		D01				1		P	HAND WIRE	223
RK INT REQ	H	F04K2		1-02 *	H		D01						P	H TO WHERE	223
RK NPR MASTER	H	E04H1		1-02 *	H		D01				2		P	HAND WIRE	224
RK NPR MASTER	H	E01H1		1-03 *	H		D01						P	H TO WHERE	224

ERROR LISTING

HND288.V22(22) 11/06/73											15-JAN-74	23:58	PAGE 10		
RK11D.E RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
RK05	H	F01C1		1-01 *	H		D01				1		P	HAND WIRE	225
RK05	H	F02C1		1-02 *	H		D01						P	H TO WHERE	225
RKA 01 (1)	H	E01K1		1-01 *	H		D01				2		P	HAND WIRE	226
RKA 01 (1)	H	E04K1		1-02 *	H		D01				1		P	HAND WIRE	226
RKA 01 (1)	H	E03M2		1-03 *	H		D01						P	TO HERE	226
RKA 02 (1)	H	E01J1		1-01 *	H		D01				1		P	HAND WIRE	227
RKA 02 (1)	H	E04J1		1-02 *	H		D01				2		P	HAND WIRE	227
RKA 02 (1)	H	E03N2		1-03 *	H		D01						P	TO HERE	227
RKA 03 (1)	H	E03V1		1-01 *	H		D01				1		P	HAND WIRE	228
RKA 03 (1)	H	E04V1		1-02 *	H		D01						P	H TO WHERE	228
RKBA 01 (1)	H	F03C1		1-01 *	H		D01				1		P	HAND WIRE	229
RKBA 01 (1)	H	F04C1		1-02 *	H		D01						P	H TO WHERE	229
RKBA 02 (1)	H	F03D1		1-01 *	H		D01				1		P	HAND WIRE	230
RKBA 02 (1)	H	F04D1		1-02 *	H		D01						P	H TO WHERE	230
RKBA 03 (1)	H	F03E1		1-01 *	H		D01				1		P	HAND WIRE	231
RKBA 03 (1)	H	F04E1		1-02 *	H		D01						P	H TO WHERE	231
RKBA 04 (1)	H	F03F1		1-01 *	H		D01				1		P	HAND WIRE	232
RKBA 04 (1)	H	F04F1		1-02 *	H		D01						P	H TO WHERE	232
RKBA 05 (1)	H	F03H1		1-01 *	H		D01				1		P	HAND WIRE	233
RKBA 05 (1)	H	F04H1		1-02 *	H		D01						P	H TO WHERE	233
RKBA 06 (1)	H	F03J1		1-01 *	H		D01				1		P	HAND WIRE	234
RKBA 06 (1)	H	F04J1		1-02 *	H		D01						P	H TO WHERE	234
RKBA 07 (1)	H	F03K1		1-01 *	H		D01				1		P	HAND WIRE	235
RKBA 07 (1)	H	F04K1		1-02 *	H		D01						P	H TO WHERE	235
RKBA 08 (1)	H	F03L1		1-01 *	H		D01				1		P	HAND WIRE	236
RKBA 08 (1)	H	F04L1		1-02 *	H		D01						P	H TO WHERE	236
RKBA 09 (1)	H	F03M1		1-01 *	H		D01				1		P	HAND WIRE	237
RKBA 09 (1)	H	F04M1		1-02 *	H		D01						P	H TO WHERE	237
RKBA 10 (1)	H	F03N1		1-01 *	H		D01				1		P	HAND WIRE	238
RKBA 10 (1)	H	F04N1		1-02 *	H		D01						P	H TO WHERE	238
RKBA 11 (1)	H	F03R1		1-01 *	H		D01				1		P	HAND WIRE	239
RKBA 11 (1)	H	F04R1		1-02 *	H		D01						P	H TO WHERE	239
RKBA 12 (1)	H	F03P1		1-01 *	H		D01				1		P	HAND WIRE	240
RKBA 12 (1)	H	F04P1		1-02 *	H		D01						P	H TO WHERE	240
RKBA 13 (1)	H	F03S1		1-01 *	H		D01				1		P	HAND WIRE	241
RKBA 13 (1)	H	F04S1		1-02 *	H		D01						P	H TO WHERE	241
RKBA 14 (1)	H	F03U1		1-01 *	H		D01				1		P	HAND WIRE	242
RKBA 14 (1)	H	F04U1		1-02 *	H		D01						P	H TO WHERE	242
RKBA 15 (1)	H	F03V1		1-01 *	H		D01				1		P	HAND WIRE	243
RKBA 15 (1)	H	F04V1		1-02 *	H		D01						P	H TO WHERE	243
RKBA OVF	L	E01S1		1-01 *	H		D01				1		P	HAND WIRE	244
RKBA OVF	L	F03S2		1-02 *	H		D01						P	H TO WHERE	244
RKDA 00 (1)	H	E03A1		1-02 *	H		D01				2		P	HAND WIRE	245
RKDA 00 (1)	H	E02A1		1-03 *	H		D01						P	H TO WHERE	245
RKDA 01 (1)	H	E03B1		1-02 *	H		D01				2		P	HAND WIRE	246
RKDA 01 (1)	H	F02B1		1-03 *	H		D01						P	H TO WHERE	246
RKDA 02 (1)	H	E03C1		1-02 *	H		D01				2		P	HAND WIRE	247
RKDA 02 (1)	H	E02C1		1-03 *	H		D01				1		P	HAND WIRE	247
RKDA 02 (1)	H	E01C1		1-04 *	H		D01						P	H TO WHERE	247
RKDA 03 (1)	H	E03D1		1-02 *	H		D01				2		P	HAND WIRE	248
RKDA 03 (1)	H	F02D1		1-03 *	H		D01				1		P	HAND WIRE	248
RKDA 03 (1)	H	F01D1		1-04 *	H		D01						P	H TO WHERE	248
RKDA 04 (1)	H	E03E1		1-02 *	H		D01				2		P	HAND WIRE	249

ERROR LISTING

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 11 RUN NUMBER
RKDA 04 (1)	H	E02E1		1-03 * H		D01							P	H TO WHERE	249
RKDA 05 (1)	H	E03F1		1-02 * H		D01					2		P	HAND WIRE	250
RKDA 05 (1)	H	E02F1		1-03 * H		D01							P	H TO WHERE	250
RKDA 06 (1)	H	E03H1		1-02 * H		D02					2		P	HAND WIRE	251
RKDA 06 (1)	H	E02H1		1-03 * H		D01							P	H TO WHERE	251
RKDA 07 (1)	H	E03J1		1-02 * H		D01					2		P	HAND WIRE	252
RKDA 07 (1)	H	E02J1		1-03 * H		D01							P	H TO WHERE	252
RKDA 08 (1)	H	E03K1		1-02 * H		D01					2		P	HAND WIRE	253
RKDA 08 (1)	H	E02K1		1-03 * H		D01							P	H TO WHERE	253
RKDA 09 (1)	H	E03L1		1-02 * H		D01					2		P	HAND WIRE	254
RKDA 09 (1)	H	E02L1		1-03 * H		D01							P	H TO WHERE	254
RKDA 10 (1)	H	E03M1		1-02 * H		D01					2		P	HAND WIRE	255
RKDA 10 (1)	H	E02M1		1-03 * H		D01							P	H TO WHERE	255
RKDA 11 (1)	H	E03N1		1-02 * H		D01					2		P	HAND WIRE	256
RKDA 11 (1)	H	E02N1		1-03 * H		D01							P	H TO WHERE	256
RKDA 12 (1)	H	E03P1		1-02 * H		D01					2		P	HAND WIRE	257
RKDA 12 (1)	H	E02P1		1-03 * H		D01							P	H TO WHERE	257
RKDA 13 (1)	H	E02R1		1-01 * H		D01					1		P	HAND WIRE	258
RKDA 13 (1)	H	E03R1		1-02 * H		D01							P	H TO WHERE	258
RKDA 14 (1)	H	E02S1		1-01 * H		D01					1		P	HAND WIRE	259
RKDA 14 (1)	H	E03S1		1-02 * H		D01							P	H TO WHERE	259
RKDA 15 (1)	H	E02U1		1-01 * H		D01					1		P	HAND WIRE	260
RKDA 15 (1)	H	E03U1		1-02 * H		D01							P	H TO WHERE	260
RKDB 00 (1)	H	C02T2		1-01 * H		D01					1		P	HAND WIRE	261
RKDB 00 (1)	H	C03T2		1-02 * H		D01							P	H TO WHERE	261
RKDS 00 (1)	H	E01V1		1-01 * H		D01					1		P	HAND WIRE	262
RKDS 00 (1)	H	E02V1		1-02 * H		D01							P	H TO WHERE	262
RKDS 01 (1)	H	E01D2		1-01 * H		D01					1		P	HAND WIRE	263
RKDS 01 (1)	H	E02D2		1-02 * H		D01							P	H TO WHERE	263
RKDS 02 (1)	H	E01E2		1-01 * H		D01					1		P	HAND WIRE	264
RKDS 02 (1)	H	E02E2		1-02 * H		D01							P	H TO WHERE	264
RKDS 03 (1)	H	E01F2		1-01 * H		D01					1		P	HAND WIRE	265
RKDS 03 (1)	H	E02F2		1-02 * H		D01							P	H TO WHERE	265
SC=SA	H	E01H2		1-01 * H		D01					1		P	HAND WIRE	266
SC=SA	H	E02H2		1-02 * H		D01							P	H TO WHERE	266
SCH CMP (1)	H	F01S1		1-01 * H		D01					1		P	HAND WIRE	267
SCH CMP (1)	H	F02S1		1-02 * H		D01							P	H TO WHERE	267
SECTOR END	L	C02S2		1-01 * H		D01					1		P	HAND WIRE	268
SECTOR END	L	C03S2		1-02 * H		D01							P	H TO WHERE	268
SECTOR PULSE	H	E01M2		1-01 * H		D01					1		P	HAND WIRE	269
SECTOR PULSE	H	E02M2		1-02 * H		D01							P	H TO WHERE	269
SEEK OR RESET	H	F02L2		1-02 * H		D01					2		P	HAND WIRE	270
SEEK OR RESET	H	F01L2		1-03 * H		D01							P	H TO WHERE	270
SER RD DATA (1)	H	C01V1		1-01 * H		D01					2		P	HAND WIRE	271
SER RD DATA (1)	H	C02V1		1-02 * H		D01					1		P	HAND WIRE	271
SER RD DATA (1)	H	C03V1		1-03 * H		D01							P	H TO WHERE	271
SIN	H	E01N2		1-01 * H		D01					1		P	HAND WIRE	272
SIN	H	E02N2		1-02 * H		D01							P	H TO WHERE	272
STOP NPRS	L	C01H1		1-01 * H		D01					1		P	HAND WIRE	273
STOP NPRS	L	C03H1		1-02 * H		D01							P	H TO WHERE	273
STOP POLL	L	F01N2		1-01 * H		D01					1		P	HAND WIRE	274
STOP POLL	L	F02N2		1-02 * H		D01							P	H TO WHERE	274
WC OVF (1)	H	C03J1		1-02 * H		D01					2		P	HAND WIRE	275

ERROR LISTING

RK11D.E RUN NAME	A/P	HND288.V22(22) PIN NAME	11/06/73 ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	15-JAN-74 LENGTH	23:58 EXCEPTIONS	PAGE 12 RUN NUMBER
WC OVF (1)	H	C01J1		1-03 * H		D01							P	H TO WHERE	275
WRITE	H	F01H2		1-01 * H		D01					1		P	HAND WIRE	276
WRITE	H	F02H2		1-02 * H		D01							P	H TO WHERE	276
WT GATE (1)	H	F02P1		1-02 * H		D01					2		P	HAND WIRE	277
WT GATE (1)	H	F01P1		1-03 * H		D01							P	H TO WHERE	277
WT LOCK	H	F01S2		1-01 * H		D01					1		P	HAND WIRE	278
WT LOCK	H	F02S2		1-02 * H		D01							P	H TO WHERE	278
WT PRCT STATUS	H	E01J2		1-01 * H		D01					1		P	HAND WIRE	279
WT PRCT STATUS	H	E02J2		1-02 * H		D01							P	H TO WHERE	279
WT+WT CHK	H	C03P1		1-02 * H		D01					2		P	HAND WIRE	280
WT+WT CHK	H	C02P1		1-03 * H		D01					1		P	HAND WIRE	280
WT+WT CHK	H	C01P1		1-04 * H		D01							P	H TO WHERE	280
XFER FUNCTION	H	E01V2		1-01 * H		D01					1		P	HAND WIRE	281
XFER FUNCTION	H	E02V2		1-02 * H		D01							P	H TO WHERE	281