

- NOTES:**
1. TERMINATOR ASSEMBLY TO BE INSTALLED IN CABLE OUT LOCATION IN LAST DRIVE OF SUB-SYSTEM.
 2. FOR INSTALLATION IN BAY F EXPANSION BOX & CUT THE WRAP AND UNDOLE POWER HARNESS.
 3. ADD EXTENSION POWER CABLE TO SHORT LEG OF HARNESS.
 4. WHEN INSTALLED IN BAY F EXPANSION BOX, BLOWER (CABLE ITEM 9) SHOULD BE FOLDED TO AND KEPT OUT OF THE BOX AS SHOWN.
 5. WHEN ALTERNATE MOUNTING POSITION IS USED, CONNECTOR IN TRANSITION BRACKET MUST BE INVERTED SO THAT NO CABLE FROM DRIVE WILL HANG IN A DOWNWARD POSITION AS SHOWN.
 6. ITEMS 11 THROUGH 21 ARE NOT ASSEMBLED AT THIS POINT BUT MUST BE SHIPPED WITH UNIT FOR ASSEMBLY AT A LATER TIME.
 7. THE ALTERNATE BRACKET MOUNTING POSITION MAY BE USED WITH ANY EXPANSION BOX TO SIMPLIFY INSTALLATION.

REF. PART NO.	DESCRIPTION	QTY	UNIT
1	ABFLA LM	1	23
2	WASHER INT TOOTH W/O	2	22
3	WASHER INT TOOTH W/O	2	22
4	STRIPED EDGE (REF)	1	20
5	STRIPED EDGE (REF)	1	20
6	STRIPED EDGE (REF)	1	20
7	UNIT SELECT PLUG KIT	1	18
8	SCREW PHL THS HD 32 X 3/8	1	17
9	NUT SPRING #10-32	1	16
10	WASHER INT TOOTH W/O	1	15
11	TRANSITION BRACKET ASSY	1	14
12	TERMINATION ASSY	1	13
13	CABLE POWER EXTENSION	1	12
14	CABLE POWER EXTENSION	1	11
15	CABLE POWER EXTENSION	1	10
16	CABLE POWER EXTENSION	1	9
17	CABLE POWER EXTENSION	1	8
18	CABLE POWER EXTENSION	1	7
19	CABLE POWER EXTENSION	1	6
20	CABLE POWER EXTENSION	1	5
21	CABLE POWER EXTENSION	1	4
22	CABLE POWER EXTENSION	1	3
23	CABLE POWER EXTENSION	1	2
24	CABLE POWER EXTENSION	1	1

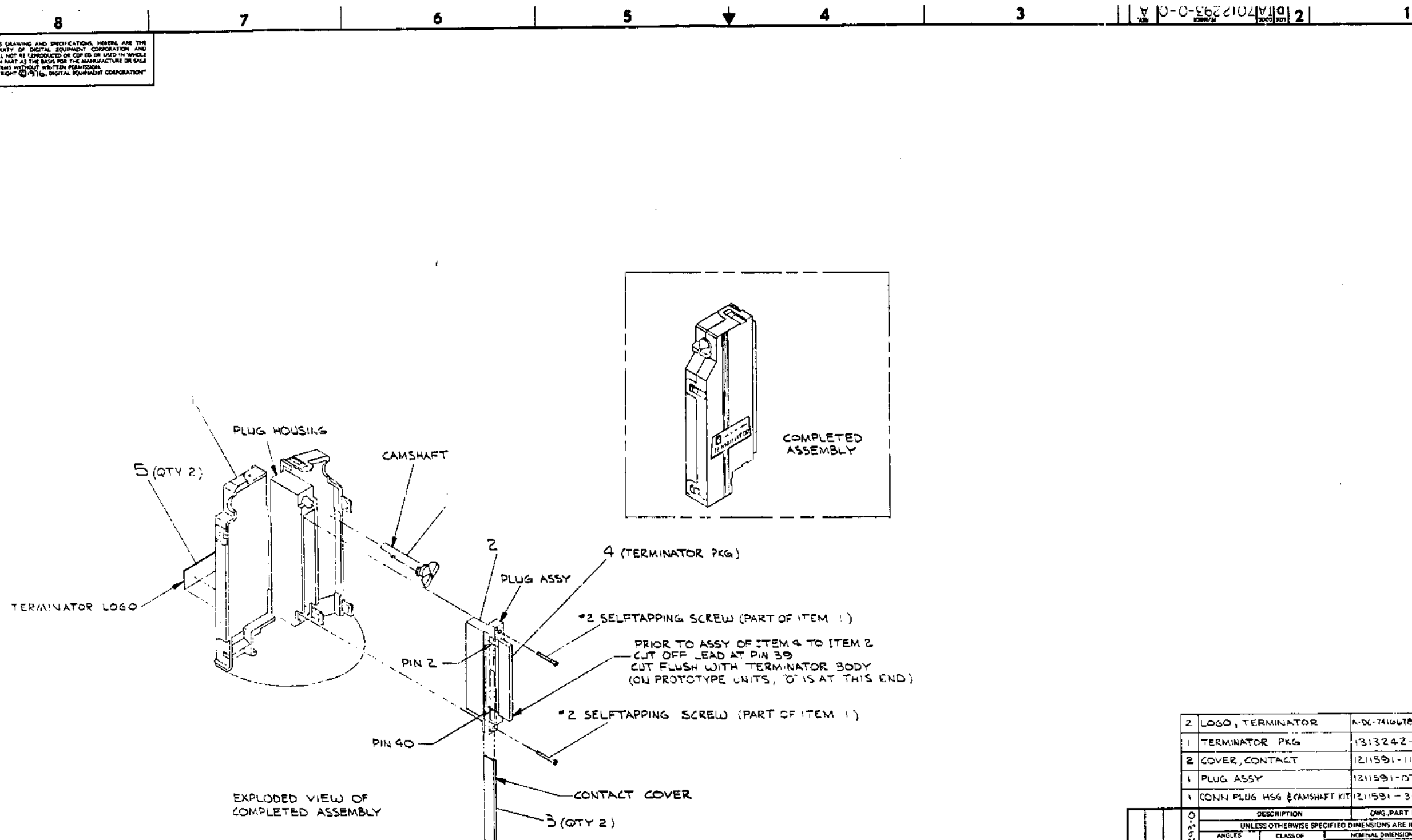
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

QUANTITY	VARIATION	DESCRIPTION	UNIT
1		ABFLA LM	23
2		WASHER INT TOOTH W/O	22
3		WASHER INT TOOTH W/O	22
4		STRIPED EDGE (REF)	20
5		STRIPED EDGE (REF)	20
6		STRIPED EDGE (REF)	20
7		UNIT SELECT PLUG KIT	18
8		SCREW PHL THS HD 32 X 3/8	17
9		NUT SPRING #10-32	16
10		WASHER INT TOOTH W/O	15
11		TRANSITION BRACKET ASSY	14
12		TERMINATION ASSY	13
13		CABLE POWER EXTENSION	12
14		CABLE POWER EXTENSION	11
15		CABLE POWER EXTENSION	10
16		CABLE POWER EXTENSION	9
17		CABLE POWER EXTENSION	8
18		CABLE POWER EXTENSION	7
19		CABLE POWER EXTENSION	6
20		CABLE POWER EXTENSION	5
21		CABLE POWER EXTENSION	4
22		CABLE POWER EXTENSION	3
23		CABLE POWER EXTENSION	2
24		CABLE POWER EXTENSION	1

DATE: 10/1/68
 DRAWN BY: J. J. BROWN
 CHECKED BY: J. J. BROWN
 APPROVED BY: J. J. BROWN
 TITLE: RK06 CONTROLLER
 SIZE: 11x17
 SHEET: 1 OF 1

REV	DESCRIPTION	DATE
1	INITIAL DESIGN	10/1/68
2	REVISED DESIGN	10/1/68
3	REVISED DESIGN	10/1/68
4	REVISED DESIGN	10/1/68
5	REVISED DESIGN	10/1/68
6	REVISED DESIGN	10/1/68
7	REVISED DESIGN	10/1/68
8	REVISED DESIGN	10/1/68
9	REVISED DESIGN	10/1/68
10	REVISED DESIGN	10/1/68
11	REVISED DESIGN	10/1/68
12	REVISED DESIGN	10/1/68
13	REVISED DESIGN	10/1/68
14	REVISED DESIGN	10/1/68
15	REVISED DESIGN	10/1/68
16	REVISED DESIGN	10/1/68
17	REVISED DESIGN	10/1/68
18	REVISED DESIGN	10/1/68
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26	REVISED DESIGN	10/1/68
27	REVISED DESIGN	10/1/68
28	REVISED DESIGN	10/1/68
29	REVISED DESIGN	10/1/68
30	REVISED DESIGN	10/1/68
31	REVISED DESIGN	10/1/68
32	REVISED DESIGN	10/1/68
33	REVISED DESIGN	10/1/68
34	REVISED DESIGN	10/1/68
35	REVISED DESIGN	10/1/68
36	REVISED DESIGN	10/1/68
37	REVISED DESIGN	10/1/68
38	REVISED DESIGN	10/1/68
39	REVISED DESIGN	10/1/68
40	REVISED DESIGN	10/1/68
41	REVISED DESIGN	10/1/68
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43	REVISED DESIGN	10/1/68
44	REVISED DESIGN	10/1/68
45	REVISED DESIGN	10/1/68
46	REVISED DESIGN	10/1/68
47	REVISED DESIGN	10/1/68
48	REVISED DESIGN	10/1/68
49	REVISED DESIGN	10/1/68
50	REVISED DESIGN	10/1/68

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ITEM NO.	DESCRIPTION	DWG. PART NO.	ITEM NO.
2	LOGO, TERMINATOR	A-DC-7416678-0-0	5
1	TERMINATOR PKG	1313242-00	4
2	COVER, CONTACT	1211591-11	3
1	PLUG ASSY	1211591-07	2
1	CONN PLUG HSG & CAMSHAFT KIT	1211591-34	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES 30° 30'	CLASS OF ACCURACY
SURFACE QUALITY IN	MEDIUM
MICRONCHES	PREFERRED

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN: *[Signature]*

CHK'D: *[Signature]*

ENG: *[Signature]*

PROJ. ENG: *[Signature]*

PROD. *[Signature]*

NEXT HIGHER ASSY.

E-LA-RK61-Φ-Φ

SCALE: NONE

SHEET 1 OF 1

FIRST USED ON: RKG6

TITLE: TERMINATOR ASSY

SIZE CODE: D

NUMBER: A7012293-0-0

REV: A

REV.	DATE	BY	APP.
1	9/29/76	W. DUNHAM	

DATE: 7012293-0-0 A

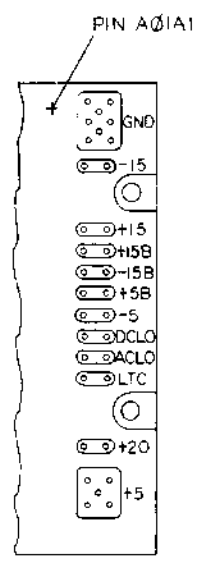
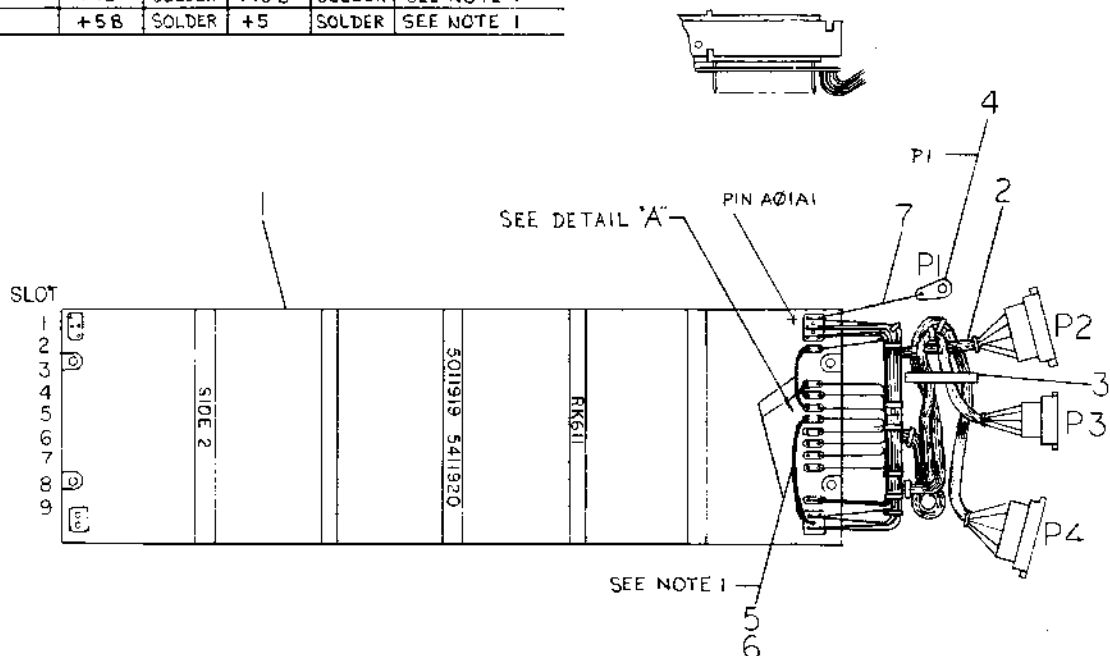
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WIRE TABLE

ITEM NO	AWG	COLOR	FROM		TO		REMARKS
			POINT	WITH	POINT	WITH	
2	18	BLU	P4-13	ITEM 2	-15V	SOLDER	
14	14	RED	P4-4		+5V		
14	14	RED	P4-1		+5V		
14	14	BLK	P4-8		GND		
14	14	ORG	P4-3		+20V		
14	14	ELK	P4-9		GND		
18	18	WHT	P4-6		+15B		
18	18	GRN	P4-15		-15B		
18	18	YEL	P3-4		ACLO		
14	14	BLK	P3-1		GND		
18	18	BRN	P3-2		LTC		
18	18	VIO	P3-3		DCLO		
14	14	RED	P2-4		+5V		
14	14	RED	P2-1		+5V		
14	14	BRN	P2-14		-5V		
14	14	BLK	P2-8		GND		
18	18	GRY	P2-2		+15		
14	14	ORG	P2-3		+20		
14	14	BLK	P2-9		GND		
2	14	RED	P2-12	ITEM 2	+5B	SOLDER	
7	14	BLK	P1	ITEM 4	GND	SOLDER	SEE NOTE 2 & 4
5	22		-15	SOLDER	-15B	SOLDER	SEE NOTE 1
5	22		+15	SOLDER	+15B	SOLDER	SEE NOTE 1
5	22		+5B	SOLDER	+5	SOLDER	SEE NOTE 1

NOTES:

- WHEN THE RKG11 IS USED WITH ANY EXPANSION BOX WITHOUT BATTERY BACK UP, INSTALL THE THREE JUMPERS LISTED IN WIRE TABLE. USE #22 BUS WIRE (ITEM 5) AND TUBING (ITEM 6) ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS IN SLOTS 2 & 3.
- INSTALL ITEM 4 UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.
- HARNES BRANCHES WHICH LEAD TO CONNECTORS P3 & P4 ARE TO BE FOLDED AND SECURED WITH TIE WRAP (ITEM 3) SO AS TO BE APPROXIMATELY THE SAME LENGTH AS P2 BRANCH.
- STRIP BACK 2" LONG #14 AWG BLACK WIRE TO .125 ± .030 ONE END, REMAINING END .250 ± .030, SOLDER TIE BOTH ENDS. SOLDER ITEM # 4 TO THE .250 STRIPPED END.



DETAIL 'A'
NO SCALE

QTY	DESCRIPTION	DWG/PART NO.	ITEM NO.
1	WIRE, BLK, STRD #14 (2" LONG)	9107370-00	7
1	TUBING #22 (BLUE) (6" LONG)	9107256-06	6
1	WIRE BUS #22 (6" LONG)	9107560-01	5
1	TERMINAL, SOLDER	900E150-00	4
1	TIE WRAP	9007032-00	3
1	POWER HARNESS	D-1A-7012575-0-0	2
1	WIRED ASSY RKG11	C-1A-7012413-0-0	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES 10° 30°	CLASS OF ACCURACY (CHECK ONE)
SURFACE QUALITY IN MICROINCHES	MEDIUM
	PREFERRED

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST

FINISH: _____

DRN. W. J. [Signature] 23 JAN 76

CHK'D: [Signature] 17 MAR 76

ENG'T: E.F. [Signature] 30 APR 76

PROJ. ENG. [Signature] 11 APR 76

PROD. [Signature] 30 APR 76

FIRST USED ON: RKG11 digital

TITLE: WIRED ASSY AND POWER HARNESS

SIZE: D

SCALE: NONE

SHEET: 1 OF 1

DIST.:

REVISIONS

REV.	CHANGE NO.	DATE	BY	REASON
1	00001	7/12/74	I. FAVA	INITIAL
2	00002	4-8-77	E. BERTRAME	REVISION

7012414-0-0

7012414-0-0

7012414-0-0

DEC FORM NO. DWG 100C

REV. B

DATE CODE D 1A


NUMBER 7012414-0-0

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REV. NUMBER
K WL RK611-0-1

REVISIONS		REV.
CHK	CHANGE NO.	
MOR	RK611-00002	A
TFP	RK611-00003	B
TFP	RK611-00004	C
TFP	RK611-00007	D
QZ	RK611-00008	E
MOR	RK611-00009	F

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK611				
PARTS LIST				
DRN. W. F. Green	DATE 31 MAR 76	 digital EQUIPMENT CORPORATION <small>MAYNARD, MASSACHUSETTS</small>		
CHK'D. L. Chisney	DATE 30 MAR 76			
ENG. T F FAVA	DATE 30 APR 76			
PROJ. ENG. D. Ellis	DATE 30 APR 76			
PROD. C. Powell	DATE 30 APR 76			
NEXT HIGHER ASSEMBLY C-IA-7012413-0-0				
SCALE ++		SIZE CODE K WL	NUMBER RK611-0-1	REV. F
SHEET		OF	DIST.	

DEC FORM NO. DRB 109

4

3

2

1

B

B

A

A

RK611.F
RUN NAME

WRAPP .V15(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

REMARKS

18-AUG-77

15131 PAGE 1
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

Run Name	A/P	PIN	ORDER	BAY	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	RUN NUMBER
+15B		A02P1	1-01	*	P						1		1			1
+15B		A03P1	1-02	*	P											1
+15B			1										1-0/8			1
+15V		A04D2	1-01	*	P						1		3-2/8			2
+15V		B04D2	1-02	*	P						2		3			2
+15V		C04D2	1-03	*	P						2		3			2
+15V		C01U1	1-04	*	P						2		1			2
+15V		C02U1	1-05	*	P						2		1			2
+15V		C03U1	1-06	*	P						2		1-7/8			2
+15V		D04D2	1-07	*	P						2		3			2
+15V		E04D2	1-08	*	P						2		3-2/8			2
+15V		F04D2	1-09	*	P											2
+15V			1										19-3/8			2
+20V		A02U1	1-01	*	P						1		0-1/8			3
+20V		A02V1	1-02	*	P						2		0-4/8			3
+20V		A02V2	1-03	*	P						2		0-1/8			3
+20V		A03U1	1-04	*	P						2		0-1/8			3
+20V		A03V1	1-05	*	P						2		0-4/8			3
+20V		A03V2	1-06	*	P											3
+20V			1										1-3/8			3
+5B		B02D1	1-01	*	P						1		1			4
+5B		B03D1	1-02	*	P											4
+5B			1										1-0/8			4
+5V		A01A2	1-01	*	P						1		1			5
+5V		A02A2	1-02	*	P						2		1			5
+5V		A03A2	1-03	*	P						2		1			5
+5V		A04A2	1-04	*	P						2		1			5
+5V		A05A2	1-05	*	P						2		1			5
+5V		A06A2	1-06	*	P						2		1			5
+5V		A07A2	1-07	*	P						2		1			5
+5V		A08A2	1-08	*	P						2		1			5
+5V		A09A2	1-09	*	P						2		3-2/8			5
+5V		B09A2	1-10	*	P						2		1			5
+5V		B08A2	1-11	*	P						2		1			5
+5V		B07A2	1-12	*	P						2		1			5
+5V		B06A2	1-13	*	P						2		1			5
+5V		B05A2	1-14	*	P						2		1			5
+5V		B04A2	1-15	*	P						2		1			5
+5V		B03A2	1-16	*	P						2		1			5
+5V		B02A2	1-17	*	P						2		1			5
+5V		B01A2	1-18	*	P						2		1			5
+5V		C01A2	1-19	*	P						2		1			5
+5V		C02A2	1-20	*	P						2		1			5
+5V		C03A2	1-21	*	P						2		1			5
+5V		C04A2	1-22	*	P						2		1			5
+5V		C05A2	1-23	*	P						2		1			5
+5V		C06A2	1-24	*	P						2		1			5
+5V		C07A2	1-25	*	P						2		1			5
+5V		C08A2	1-26	*	P						2		1			5
+5V		C09A2	1-27	*	P						2		3-2/8			5
+5V		D09A2	1-28	*	P						2		1			5
+5V		D08A2	1-29	*	P						2		1			5

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER PIN	03-JUN-77 DAY = Q ORDER	DRAW RV RG Y X Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 2 EXCEPTIONS	RUN NUMBER
+5V	D07A2	1-30 * P				1		5
+5V	D06A2	1-31 * P				1		5
+5V	D05A2	1-32 * P				1		5
+5V	D04A2	1-33 * P				1		5
+5V	D03A2	1-34 * P				1		5
+5V	D02A2	1-35 * P				1		5
+5V	D01A2	1-36 * P				3		5
+5V	E01A2	1-37 * P				1		5
+5V	E02A2	1-38 * P				1		5
+5V	E03A2	1-39 * P				1		5
+5V	E04A2	1-40 * P				1		5
+5V	E05A2	1-41 * P				1		5
+5V	E06A2	1-42 * P				1		5
+5V	E07A2	1-43 * P				1		5
+5V	E08A2	1-44 * P				1		5
+5V	E09A2	1-45 * P				3-2/8		5
+5V	F09A2	1-46 * P				1		5
+5V	F08A2	1-47 * P				1		5
+5V	F07A2	1-48 * P				1		5
+5V	F06A2	1-49 * P				1		5
+5V	F05A2	1-50 * P				1		5
+5V	F04A2	1-51 * P				1		5
+5V	F03A2	1-52 * P				1		5
+5V	F02A2	1-53 * P				1		5
+5V	F01A2	1-54 * P						5
+5V		1				63-6/8		5
-15V	A02S1	1-01 * P				1		6
-15V	A03S1	1-02 * P						6
-15V		1				1-0/8		6
-15V	A05B2	1-01 * P				1		7
-15V	A04B2	1-02 * P				3-2/8		7
-15V	A04B2	1-03 * P				1		7
-15V	A05B2	1-04 * P				3		7
-15V	C05B2	1-05 * P				1		7
-15V	C04B2	1-06 * P				1		7
-15V	C03B2	1-07 * P				1		7
-15V	C02B2	1-08 * P				1		7
-15V	C01B2	1-09 * P				3-2/8		7
-15V	D01B2	1-10 * P				1		7
-15V	D02B2	1-11 * P				1		7
-15V	D03B2	1-12 * P				1		7
-15V	D04B2	1-13 * P				1		7
-15V	D05B2	1-14 * P				3		7
-15V	E05B2	1-15 * P				1		7
-15V	E04B2	1-16 * P				1		7
-15V	E03B2	1-17 * P				1		7
-15V	E02B2	1-18 * P				1		7
-15V	E01B2	1-19 * P				3-2/8		7
-15V	F01B2	1-20 * P				1		7
-15V	F02B2	1-21 * P				1		7
-15V	F03B2	1-22 * P				1		7
-15V	F04B2	1-23 * P				1		7
-15V	F05B2	1-24 * P						7
-15V		1				33-6/8		7

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER PIN	03-JUN-77 DAY = Q ORDER	DRAW RV RG Y X Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 3 EXCEPTIONS	RUN NUMBER
-5V	B02V2	1-01 * P				1		8
-5V	B03V2	1-02 * P						8
-5V		1				1-0/8		8
BUS A00 L	B01H2	1-01 * P				1		9
BUS A00 L	B02H2	1-02 * P				1		9
BUS A00 L	B03H2	1-03 * H				9-1/8		9
BUS A00 L	E01H2	1-04 * P				1		9
BUS A00 L	E02H2	1-05 * P				1		9
BUS A00 L	E03H2	1-06 * H				11-1/8		9
BUS A00 L	B09H2	1-07 * P						9
BUS A00 L		1				24-2/8		9
BUS A01 L	B01H1	1-01 * P				1		10
BUS A01 L	B02H1	1-02 * P				1		10
BUS A01 L	B03H1	1-03 * H				9-1/8		10
BUS A01 L	E01H1	1-04 * P				1		10
BUS A01 L	E02H1	1-05 * P				1		10
BUS A01 L	E03H1	1-06 * H				10-5/8		10
BUS A01 L	B08H1	1-07 * P				1		10
BUS A01 L	B09H1	1-08 * P						10
BUS A01 L		1				24-6/8		10
BUS A02 L	B01J2	1-01 * P				1		11
BUS A02 L	B02J2	1-02 * P				1		11
BUS A02 L	B03J2	1-03 * H				9-1/8		11
BUS A02 L	E01F1	1-04 * P				1		11
BUS A02 L	E02F1	1-05 * P				1		11
BUS A02 L	E03F1	1-06 * H				10-5/8		11
BUS A02 L	B08J2	1-07 * P				1		11
BUS A02 L	B09J2	1-08 * P						11
BUS A02 L		1				24-6/8		11
BUS A03 L	B01J1	1-01 * P				1		12
BUS A03 L	B02J1	1-02 * P				1		12
BUS A03 L	B03J1	1-03 * H				10-1/8		12
BUS A03 L	E01V2	1-04 * P				1		12
BUS A03 L	E02V2	1-05 * P				1		12
BUS A03 L	E03V2	1-06 * H				11-5/8		12
BUS A03 L	B08J1	1-07 * P				1		12
BUS A03 L	B09J1	1-08 * P						12
BUS A03 L		1				26-6/8		12
BUS A04 L	B01K2	1-01 * P				1		13
BUS A04 L	B02K2	1-02 * P				1		13
BUS A04 L	B03K2	1-03 * H				10-1/8		13
BUS A04 L	E01U2	1-04 * P				1		13
BUS A04 L	E02U2	1-05 * P				1		13
BUS A04 L	E03U2	1-06 * H				11-5/8		13
BUS A04 L	B08K2	1-07 * P				1		13
BUS A04 L	B09K2	1-08 * P						13
BUS A04 L		1				26-6/8		13

WK611.F RUN NAME	WPAPD .V35(102)-1 A/P PIN ORDER NAME PIN	03-JUN-77 RAY - Q ORDER	DRAW RV RG Y X Z OPT	REMARKS	18-AUG-77	15131 NC LENGTH EXCEPTIONS FLAG	PAGE 4	RUN NUMBER
BUS A05 L	B01K1	1-01 * P				1		14
BUS A05 L	B02K1	1-02 * P				2		14
BUS A05 L	B03K1	1-03 * H				2	10-1/8	14
BUS A05 L	E01V1	1-04 * P				2	1	14
BUS A05 L	E02V1	1-05 * P				2	1	14
BUS A05 L	E03V1	1-06 * H				2	11-5/8	14
BUS A05 L	B00K1	1-07 * P				2	1	14
BUS A05 L	B09K1	1-08 *						14
BUS A05 L		1					26-6/8	14
BUS A06 L	B01L2	1-01 * P				1	1	15
BUS A06 L	B02L2	1-02 * P				2	1	15
BUS A06 L	B03L2	1-03 * H				2	10-3/8	15
BUS A06 L	E01U1	1-04 * P				2	1	15
BUS A06 L	E02U1	1-05 * P				2	1	15
BUS A06 L	E03U1	1-06 * H				2	11-7/8	15
BUS A06 L	B00L2	1-07 * P				2	1	15
BUS A06 L	B09L2	1-08 *						15
BUS A06 L		1					27-2/8	15
BUS A07 L	B01L1	1-01 * P				1	1	16
BUS A07 L	B02L1	1-02 * P				2	1	16
BUS A07 L	B03L1	1-03 * H				2	9-3/8	16
BUS A07 L	E01P2	1-04 * P				2	1	16
BUS A07 L	E02P2	1-05 * P				2	1	16
BUS A07 L	E03P2	1-06 * H				2	10-7/8	16
BUS A07 L	B00L1	1-07 * P				2	1	16
BUS A07 L	B09L1	1-08 *						16
BUS A07 L		1					25-2/8	16
BUS A08 L	B01M2	1-01 * P				1	1	17
BUS A08 L	B02M2	1-02 * P				2	1	17
BUS A08 L	B03M2	1-03 * H				2	9-1/8	17
BUS A08 L	E01N2	1-04 * P				2	1	17
BUS A08 L	E02N2	1-05 * P				2	1	17
BUS A08 L	E03N2	1-06 * H				2	10-5/8	17
BUS A08 L	B00M2	1-07 * P				2	1	17
BUS A08 L	B09M2	1-08 *						17
BUS A08 L		1					24-6/8	17
BUS A09 L	B01M1	1-01 * P				1	1	18
BUS A09 L	B02M1	1-02 * P				2	1	18
BUS A09 L	B03M1	1-03 * H				2	9-3/8	18
BUS A09 L	E01P1	1-04 * P				2	1	18
BUS A09 L	E02P1	1-05 * P				2	1	18
BUS A09 L	E03P1	1-06 * H				2	10-7/8	18
BUS A09 L	B00M1	1-07 * P				2	1	18
BUS A09 L	B09M1	1-08 *						18
BUS A09 L		1					25-2/8	18

WK611.F RUN NAME	WPAPD .V35(102)-1 A/P PIN ORDER NAME PIN	03-JUN-77 RAY - Q ORDER	DRAW RV RG Y X Z OPT	REMARKS	18-AUG-77	15131 NC LENGTH EXCEPTIONS FLAG	PAGE 5	RUN NUMBER
BUS A10 L	B01N2	1-01 * P				1	1	19
BUS A10 L	B02N2	1-02 * P				2	1	19
BUS A10 L	B03N2	1-03 * H				2	9-5/8	19
BUS A10 L	E01P1	1-04 * P				2	1	19
BUS A10 L	E02P1	1-05 * P				2	1	19
BUS A10 L	E03P1	1-06 * H				2	11-1/8	19
BUS A10 L	B00N2	1-07 * P				2	1	19
BUS A10 L	B09N2	1-08 *						19
BUS A10 L		1					25-6/8	19
BUS A11 L	B01N1	1-01 * P				1	1	20
BUS A11 L	B02N1	1-02 * P				2	1	20
BUS A11 L	B03N1	1-03 * H				2	8-7/8	20
BUS A11 L	E01L1	1-04 * P				2	1	20
BUS A11 L	E02L1	1-05 * P				2	1	20
BUS A11 L	E03L1	1-06 * H				2	10-3/8	20
BUS A11 L	B00N1	1-07 * P				2	1	20
BUS A11 L	B09N1	1-08 *						20
BUS A11 L		1					24-2/8	20
BUS A12 L	B01P2	1-01 * P				1	1	21
BUS A12 L	B02P2	1-02 * P				2	1	21
BUS A12 L	B03P2	1-03 * H				2	8-1/8	21
BUS A12 L	E01C1	1-04 * P				2	1	21
BUS A12 L	E02C1	1-05 * P				2	1	21
BUS A12 L	E03C1	1-06 * H				2	9-5/8	21
BUS A12 L	B00P2	1-07 * P				2	1	21
BUS A12 L	B09P2	1-08 *						21
BUS A12 L		1					22-6/8	21
BUS A13 L	B01P1	1-01 * P				1	1	22
BUS A13 L	B02P1	1-02 * P				2	1	22
BUS A13 L	B03P1	1-03 * H				2	8-3/8	22
BUS A13 L	E01K2	1-04 * P				2	1	22
BUS A13 L	E02K2	1-05 * P				2	1	22
BUS A13 L	E03K2	1-06 * H				2	9-7/8	22
BUS A13 L	B00P1	1-07 * P				2	1	22
BUS A13 L	B09P1	1-08 *						22
BUS A13 L		1					23-2/8	22
BUS A14 L	B01R2	1-01 * P				1	1	23
BUS A14 L	B02R2	1-02 * P				2	1	23
BUS A14 L	B03R2	1-03 * H				2	8-7/8	23
BUS A14 L	E01K1	1-04 * P				2	1	23
BUS A14 L	E02K1	1-05 * P				2	1	23
BUS A14 L	E03K1	1-06 * H				2	10-3/8	23
BUS A14 L	B00R2	1-07 * P				2	1	23
BUS A14 L	B09R2	1-08 *						23
BUS A14 L		1					24-2/8	23

RK611,F		WRAPP ,V35(102)-1 03-JUN-77				18-AUG-77		PAGE 6		RUN NUMBER	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV PG Y	X Z	REMARKS		15131 NC LENGTH FLAG
BUS A15 L		B01R1		1-01 *	P			1			24
BUS A15 L		B02R1		1-02 *	P			2		1	24
BUS A15 L		B03R1		1-03 *	H			2		7-5/8	24
BUS A15 L		E01D2		1-04 *	P			2		1	24
BUS A15 L		E02D2		1-05 *	P			2		1	24
BUS A15 L		E03D2		1-06 *	H			2		9-1/8	24
BUS A15 L		B08R1		1-07 *	P			2		1	24
BUS A15 L		B09R1		1-08 *							24
BUS A15 L				1						21-6/8	24
BUS A16 L		B01S2		1-01 *	P			1		1	25
BUS A16 L		B02S2		1-02 *	P			2		1	25
BUS A16 L		B03S2		1-03 *	H			2		7-7/8	25
BUS A16 L		E01E2		1-04 *	P			2		1	25
BUS A16 L		E02E2		1-05 *	P			2		1	25
BUS A16 L		E03E2		1-06 *	H			2		9-3/8	25
BUS A16 L		B08S2		1-07 *	P			2		1	25
BUS A16 L		B09S2		1-08 *							25
BUS A16 L				1						22-2/8	25
BUS A17 L		B01S1		1-01 *	P			1		1	26
BUS A17 L		B02S1		1-02 *	P			2		1	26
BUS A17 L		B03S1		1-03 *	H			2		7-5/8	26
BUS A17 L		E01D1		1-04 *	P			2		1	26
BUS A17 L		E02D1		1-05 *	P			2		1	26
BUS A17 L		E03D1		1-06 *	H			2		9-1/8	26
BUS A17 L		B08S1		1-07 *	P			2		1	26
BUS A17 L		B09S1		1-08 *							26
BUS A17 L				1						21-6/8	26
BUS AC LO L		B01F1		1-01 *	P			1		1	27
BUS AC LO L		B02F1		1-02 *	P			2		1	27
BUS AC LO L		B03F1		1-03 *				1		5-3/8	27
BUS AC LO L		C01V1		1-04 *	P			2		1	27
BUS AC LO L		C02V1		1-05 *	P			2		1	27
BUS AC LO L		C03V1		1-06 *				1		6-7/8	27
BUS AC LO L		B08F1		1-07 *	P			2		1	27
BUS AC LO L		B09F1		1-08 *							27
BUS AC LO L				1						17-2/8	27
BUS BRSY L		A01P2		1-01 *	P			1		1	28
BUS BRSY L		A02P2		1-02 *	P			2		1	28
BUS BRSY L		A03P2		1-03 *	H			2		13-5/8	28
BUS BRSY L		F01D1		1-04 *	P			2		1	28
BUS BRSY L		F02D1		1-05 *	P			2		1	28
BUS BRSY L		F03D1		1-06 *	H			2		15-1/8	28
BUS BRSY L		A08P2		1-07 *	P			2		1	28
BUS BRSY L		A09P2		1-08 *							28
BUS BRSY L				1						33-6/8	28
BUS BG4 1 IN H		B01E2		1-01 *	H			1		7	29
BUS BG4 1 IN H		D01S2		1-02 *							29
BUS BG4 1 IN H				1						7-0/8	29

RK611,F		WRAPP ,V35(102)-1 03-JUN-77				18-AUG-77		PAGE 7		RUN NUMBER	
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV PG Y	X Z	REMARKS		15131 NC LENGTH FLAG
BUS BG4 2 IN H		D01T2		1-01 *	P			1		0-5/8	30
BUS BG4 2 IN H		D02S2		1-02 *							30
BUS BG4 2 IN H				1						0-5/8	30
BUS BG4 3 IN H		D02T2		1-01 *	P			1		0-5/8	31
BUS BG4 3 IN H		D03S2		1-02 *							31
BUS BG4 3 IN H				1						0-5/8	31
BUS BG4 4 IN H		D03T2		1-01 *	H			1		6-7/8	32
BUS BG4 4 IN H		C08F2		1-02 *							32
BUS BG4 4 IN H				1						6-7/8	32
BUS BG4 OUT H		B09E2		1-01 *	P			1		1	33
BUS BG4 OUT H		B08E2		1-02 *							33
BUS BG4 OUT H				1						1-0/8	33
BUS BG5 1 IN H		B01B1		1-01 *	H			1		7-1/8	34
BUS BG5 1 IN H		D01P2		1-02 *							34
BUS BG5 1 IN H				1						7-1/8	34
BUS BG5 2 IN H		D01R2		1-01 *	P			1		0-5/8	35
BUS BG5 2 IN H		D02P2		1-02 *							35
BUS BG5 2 IN H				1						0-5/8	35
BUS BG5 3 IN H		D02R2		1-01 *	P			1		0-5/8	36
BUS BG5 3 IN H		D03P2		1-02 *							36
BUS BG5 3 IN H				1						0-5/8	36
BUS BG5 4 IN H		D03R2		1-01 *	H			1		6-5/8	37
BUS BG5 4 IN H		C08D1		1-02 *							37
BUS BG5 4 IN H				1						6-5/8	37
BUS BG5 OUT H		B09B1		1-01 *	P			1		1	38
BUS BG5 OUT H		B08B1		1-02 *							38
BUS BG5 OUT H				1						1-0/8	38
BUS BG6 1 IN H		B01A1		1-01 *	H			1		7-1/8	39
BUS BG6 1 IN H		D01M2		1-02 *							39
BUS BG6 1 IN H				1						7-1/8	39
BUS BG6 2 IN H		D01N2		1-01 *	P			1		0-5/8	40
BUS BG6 2 IN H		D02M2		1-02 *							40
BUS BG6 2 IN H				1						0-5/8	40
BUS BG6 3 IN H		D02N2		1-01 *	P			1		0-5/8	41
BUS BG6 3 IN H		D03M2		1-02 *							41
BUS BG6 3 IN H				1						0-5/8	41
BUS BG6 4 IN H		D03N2		1-01 *	H			1		3-6/8	42
BUS BG6 4 IN H		E08K2		1-02 *							42
BUS BG6 4 IN H				1						3-6/8	42
BUS BG6 OUT H		B09A1		1-01 *	P			1		1	43
BUS BG6 OUT H		B08A1		1-02 *							43
BUS BG6 OUT H				1						1-0/8	43

RK611.F RUN NAME	WRAPD .V35(102)-1 03-JUN-77					10-AUG-77	15131 MC LENGTH FLAG	PAGE 8 EXCEPTIONS	RUN NUMBER	
A/P	PIN NAME	ORDER PIN	RAY = ORDER	Q	DPAW OPT	RV RG Y	X Z	REMARKS		
BUS BG7 1 IN H	A01V1		1-01 * H				1		7-3/8	44
BUS BG7 1 IN H	D01K2		1-02 *						7-3/8	44
BUS BG7 1 IN H			1							
BUS BG7 2 IN H	D01L2		1-01 * P				1		0-5/8	45
BUS BG7 2 IN H	D02K2		1-02 *						0-5/8	45
BUS BG7 2 IN H			1							
BUS BG7 3 IN H	D02L2		1-01 * P				1		0-5/8	46
BUS BG7 3 IN H	D03K2		1-02 *						0-5/8	46
BUS BG7 3 IN H			1							
BUS BG7 4 IN H	D03L2		1-01 * H				1		6-1/8	47
BUS BG7 4 IN H	C08C1		1-02 *						6-1/8	47
BUS BG7 4 IN H			1							
BUS BG7 OUT H	A09V1		1-01 * P				1		1	48
BUS BG7 OUT H	A08V1		1-02 *						1-0/8	48
BUS BG7 OUT H			1							
BUS BR4 L	B0102		1-01 * P				1		1	49
BUS BR4 L	B0202		1-02 * P				2		1	49
BUS BR4 L	B0302		1-03 *				1		7-1/8	49
BUS BR4 L	D01H2		1-04 * P				2		1	49
BUS BR4 L	D02H2		1-05 * P				2		1	49
BUS BR4 L	D03H2		1-06 *				1		0-5/8	49
BUS BR4 L	B0802		1-07 * P				2		1	49
BUS BR4 L	B0902		1-08 *						20-6/8	49
BUS BR4 L			1							
BUS BR5 L	B01C1		1-01 * P				1		1	50
BUS BR5 L	B02C1		1-02 * P				2		1	50
BUS BR5 L	B03C1		1-03 *				1		6-5/8	50
BUS BR5 L	D01F2		1-04 * P				2		1	50
BUS BR5 L	D02F2		1-05 * P				2		1	50
BUS BR5 L	D03F2		1-06 *				1		0-1/8	50
BUS BR5 L	B08C1		1-07 * P				2		1	50
BUS BR5 L	B09C1		1-08 *						19-6/8	50
BUS BR5 L			1							
BUS BR6 L	A0102		1-01 * P				1		1	51
BUS BR6 L	A0202		1-02 * P				2		1	51
BUS BR6 L	A0302		1-03 *				1		7-7/8	51
BUS BR6 L	D01E2		1-04 * P				2		1	51
BUS BR6 L	D02E2		1-05 * P				2		1	51
BUS BR6 L	D03E2		1-06 *				1		9-3/8	51
BUS BR6 L	A08U2		1-07 * P				2		1	51
BUS BR6 L	A09U2		1-08 *						22-2/8	51
BUS BR6 L			1							

RK611.F RUN NAME	WRAPD .V35(102)-1 03-JUN-77					10-AUG-77	15131 MC LENGTH FLAG	PAGE 9 EXCEPTIONS	RUN NUMBER	
A/P	PIN NAME	ORDER PIN	RAY = ORDER	Q	DPAW OPT	RV RG Y	X Z	REMARKS		
BUS BR7 L	A01T2		1-01 * P				1		1	52
BUS BR7 L	A02T2		1-02 * P				2		1	52
BUS BR7 L	A03T2		1-03 *				1		7-7/8	52
BUS BR7 L	D0102		1-04 * P				2		1	52
BUS BR7 L	D0202		1-05 * P				2		1	52
BUS BR7 L	D0302		1-06 *				1		9-3/8	52
BUS BR7 L	A08T2		1-07 * P				2		1	52
BUS BR7 L	A09T2		1-08 *						22-2/8	52
BUS BR7 L			1							
BUS C0 L	B0102		1-01 * P				1		1	53
BUS C0 L	B0202		1-02 * P				2		1	53
BUS C0 L	B0302		1-03 *				1		7-7/8	53
BUS C0 L	E01J2		1-04 * P				2		1	53
BUS C0 L	E02J2		1-05 * P				2		1	53
BUS C0 L	E03J2		1-06 *				1		9-3/8	53
BUS C0 L	B0802		1-07 * P				2		1	53
BUS C0 L	B0902		1-08 *						22-2/8	53
BUS C0 L			1							
BUS C1 L	B01T2		1-01 * P				1		1	54
BUS C1 L	B02T2		1-02 * P				2		1	54
BUS C1 L	B03T2		1-03 *				1		7-7/8	54
BUS C1 L	E01F2		1-04 * P				2		1	54
BUS C1 L	E02F2		1-05 * P				2		1	54
BUS C1 L	E03F2		1-06 *				1		9-3/8	54
BUS C1 L	B08T2		1-07 * P				2		1	54
BUS C1 L	B09T2		1-08 *						22-2/8	54
BUS C1 L			1							
BUS D00 L	A01C1		1-01 * P				1		1	55
BUS D00 L	A02C1		1-02 * P				2		1	55
BUS D00 L	A03C1		1-03 *				1		7-7/8	55
BUS D00 L	C01S2		1-04 * P				2		1	55
BUS D00 L	C02S2		1-05 * P				2		1	55
BUS D00 L	C03S2		1-06 * H				2		9-3/8	55
BUS D00 L	A08C1		1-07 * P				2		1	55
BUS D00 L	A09C1		1-08 *						22-2/8	55
BUS D00 L			1							
BUS D01 L	A0102		1-01 * P				1		1	56
BUS D01 L	A0202		1-02 * P				2		1	56
BUS D01 L	A0302		1-03 * H				1		7-7/8	56
BUS D01 L	C01R2		1-04 * P				2		1	56
BUS D01 L	C02R2		1-05 * P				2		1	56
BUS D01 L	C03R2		1-06 * H				2		9-3/8	56
BUS D01 L	A08D2		1-07 * P				2		1	56
BUS D01 L	A09D2		1-08 *						22-2/8	56
BUS D01 L			1							

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER PIN	03-JUN-77 RAY - O ORDER	DRAW RV RG Y X Z	REMARKS	10-AUG-77	15:31 NC LENGTH EXCEPTIONS FLAG	PAGE 10	RUN NUMBER
BUS D02 L	A01D1	1-01 * P				1		57
BUS D02 L	A02D1	1-02 * P				2		57
BUS D02 L	A03D1	1-03 * H				2	0-1/8	57
BUS D02 L	C01U2	1-04 * P				2	1	57
BUS D02 L	C02U2	1-05 * P				2	1	57
BUS D02 L	C03U2	1-06 * H				2	7-7/8	57
BUS D02 L	F01E2	1-07 * P				2	1	57
BUS D02 L	F02E2	1-08 * P				2	1	57
BUS D02 L	F03E2	1-09 * H				2	10-1/8	57
BUS D02 L	A08D1	1-10 * P				2	1	57
BUS D02 L	A09D1	1-11 *				1	39-1/8	57
BUS D03 L	A01F2	1-01 * P				1	1	58
BUS D03 L	A02F2	1-02 * P				2	1	58
BUS D03 L	A03L2	1-03 * H				2	7-7/8	58
BUS D03 L	C01T2	1-04 * P				2	1	58
BUS D03 L	C02T2	1-05 * P				2	1	58
BUS D03 L	C03T2	1-06 * H				2	0-7/8	58
BUS D03 L	F01I1	1-07 * P				2	1	58
BUS D03 L	F02I1	1-08 * P				2	1	58
BUS D03 L	F03L1	1-09 * H				2	10-7/8	58
BUS D03 L	A08E2	1-10 * P				2	1	58
BUS D03 L	A09F2	1-11 *				1	40-5/8	58
BUS D04 L	A01E1	1-01 * P				1	1	59
BUS D04 L	A02F1	1-02 * P				2	1	59
BUS D04 L	A03E1	1-03 * H				2	7-1/8	59
BUS D04 L	C01N2	1-04 * P				2	1	59
BUS D04 L	C02N2	1-05 * P				2	1	59
BUS D04 L	C03N2	1-06 * H				2	9-3/8	59
BUS D04 L	F01N2	1-07 * P				2	1	59
BUS D04 L	F02N2	1-08 * P				2	1	59
BUS D04 L	F03N2	1-09 * H				2	10-5/8	59
BUS D04 L	A08F1	1-10 * P				2	1	59
BUS D04 L	A09E1	1-11 *				1	40-1/8	59
BUS D05 L	A01F2	1-01 * P				1	1	60
BUS D05 L	A02F2	1-02 * P				2	1	60
BUS D05 L	A03F2	1-03 * H				2	7-5/8	60
BUS D05 L	C01P2	1-04 * P				2	1	60
BUS D05 L	C02P2	1-05 * P				2	1	60
BUS D05 L	C03P2	1-06 * H				2	0-5/8	60
BUS D05 L	F01F1	1-07 * P				2	1	60
BUS D05 L	F02F1	1-08 * P				2	1	60
BUS D05 L	F03F1	1-09 * H				2	10-3/8	60
BUS D05 L	A08F2	1-10 * P				2	1	60
BUS D05 L	A09F2	1-11 *				1	39-5/8	60

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER PIN	03-JUN-77 RAY - O ORDER	DRAW RV RG Y X Z	REMARKS	10-AUG-77	15:31 NC LENGTH EXCEPTIONS FLAG	PAGE 11	RUN NUMBER
BUS D06 L	A01F1	1-01 * P				1	1	61
BUS D06 L	A02F1	1-02 * P				2	1	61
BUS D06 L	A03F1	1-03 * H				2	7-7/8	61
BUS D06 L	C01V2	1-04 * P				2	1	61
BUS D06 L	C02V2	1-05 * P				2	1	61
BUS D06 L	C03V2	1-06 * H				2	7-7/8	61
BUS D06 L	F01F2	1-07 * P				2	1	61
BUS D06 L	F02F2	1-08 * P				2	1	61
BUS D06 L	F03F2	1-09 * H				2	15-7/8	61
BUS D06 L	A08F1	1-10 * P				2	1	61
BUS D06 L	A09F1	1-11 *				1	38-5/8	61
BUS D07 L	A01H2	1-01 * P				1	1	62
BUS D07 L	A02H2	1-02 * P				2	1	62
BUS D07 L	A03H2	1-03 * H				2	7-1/8	62
BUS D07 L	C01M2	1-04 * P				2	1	62
BUS D07 L	C02M2	1-05 * P				2	1	62
BUS D07 L	C03M2	1-06 * H				2	9-1/8	62
BUS D07 L	F01H1	1-07 * P				2	1	62
BUS D07 L	F02H1	1-08 * P				2	1	62
BUS D07 L	F03H1	1-09 * H				2	10-3/8	62
BUS D07 L	A08H2	1-10 * P				2	1	62
BUS D07 L	A09H2	1-11 *				1	39-5/8	62
BUS D08 L	A01H1	1-01 * P				1	1	63
BUS D08 L	A02H1	1-02 * P				2	1	63
BUS D08 L	A03H1	1-03 * H				2	6-5/8	63
BUS D08 L	C01L2	1-04 * P				2	1	63
BUS D08 L	C02L2	1-05 * P				2	1	63
BUS D08 L	C03L2	1-06 * H				2	9-5/8	63
BUS D08 L	F01K1	1-07 * P				2	1	63
BUS D08 L	F02K1	1-08 * P				2	1	63
BUS D08 L	F03K1	1-09 * H				2	10-3/8	63
BUS D08 L	A08H1	1-10 * P				2	1	63
BUS D08 L	A09H1	1-11 *				1	39-5/8	63
BUS D09 L	A01J2	1-01 * P				1	1	64
BUS D09 L	A02J2	1-02 * P				2	1	64
BUS D09 L	A03J2	1-03 * H				2	6-7/8	64
BUS D09 L	C01K2	1-04 * P				2	1	64
BUS D09 L	C02K2	1-05 * P				2	1	64
BUS D09 L	C03K2	1-06 * H				2	8-3/8	64
BUS D09 L	A08J2	1-07 * P				2	1	64
BUS D09 L	A09J2	1-08 *				1	20-2/8	64

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW RV RG Y OPT	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 14 EXCEPTIONS	RUN NUMBER
BUS INTR L	A01R1		1-01	*	P		1			1		75
BUS INTR L	A02B1		1-02	*	P		2			1		75
BUS INTR L	A03R1		1-03	*	H		2			15-7/8		75
BUS INTR L	F01M1		1-04	*	P		2			1		75
BUS INTR L	F02M1		1-05	*	P		2			1		75
BUS INTR L	F03M1		1-06	*	H		2			17-3/8		75
BUS INTR L	A08B1		1-07	*	P		2			1		75
BUS INTR L	A09R1		1-08	*						1		75
BUS INTR L			1							30-2/8		75
BUS MSYN L	B01V1		1-01	*	P		1			1		76
BUS MSYN L	B02V1		1-02	*	P		2			1		76
BUS MSYN L	B03V1		1-03	*	H		2			7-5/8		76
BUS MSYN L	E01E1		1-04	*	P		2			1		76
BUS MSYN L	E02E1		1-05	*	P		2			1		76
BUS MSYN L	E03E1		1-06	*	H		2			9-1/8		76
BUS MSYN L	B08V1		1-07	*	P		2			1		76
BUS MSYN L	B09V1		1-08	*						1		76
BUS MSYN L			1							21-6/8		76
BUS NPG IN H	A01U1		1-01	*	H		2			3-6/8		77
BUS NPG IN H	C01A1		1-02	*			1			0-1/8		77
BUS NPG IN H	C01B1		1-03	*	P		2			0-5/8		77
BUS NPG IN H	C02A1		1-04	*			1			0-1/8		77
BUS NPG IN H	C02B1		1-05	*	P		2			0-5/8		77
BUS NPG IN H	C03A1		1-06	*			1			0-1/8		77
BUS NPG IN H	C03P1		1-07	*	H		2			5		77
BUS NPG IN H	A08V2		1-08	*						1		77
BUS NPG IN H			1							10-3/8		77
BUS NPG OUT H	A08U1		1-01	*	P		1			1		78
BUS NPG OUT H	A09U1		1-02	*						1		78
BUS NPG OUT H			1							1-0/8		78
BUS NPP L	A01S2		1-01	*	P		1			1		79
BUS NPP L	A02S2		1-02	*	P		2			1		79
BUS NPP L	A03S2		1-03	*			1			13-7/8		79
BUS NPP L	F01J1		1-04	*	P		2			1		79
BUS NPP L	F02J1		1-05	*	P		2			1		79
BUS NPP L	F03J1		1-06	*			1			15-3/8		79
BUS NPP L	A08S2		1-07	*	P		2			1		79
BUS NPP L	A09S2		1-08	*						1		79
BUS NPP L			1							34-2/8		79
BUS SACK L	A01R2		1-01	*	P		1			1		80
BUS SACK L	A02R2		1-02	*	P		2			1		80
BUS SACK L	A03R2		1-03	*	H		2			14-7/8		80
BUS SACK L	F01T2		1-04	*	P		2			1		80
BUS SACK L	F02T2		1-05	*	P		2			1		80
BUS SACK L	F03T2		1-06	*	H		2			16-3/8		80
BUS SACK L	A08R2		1-07	*	P		2			1		80
BUS SACK L	A09R2		1-08	*						1		80
BUS SACK L			1							36-2/8		80

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW RV RG Y OPT	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 15 EXCEPTIONS	RUN NUMBER
BUS SSYN L	B01U1		1-01	*	P		1			1		81
BUS SSYN L	F02U1		1-02	*	P		2			1		81
BUS SSYN L	B03U1		1-03	*	H		2			7-7/8		81
BUS SSYN L	E01J1		1-04	*	P		2			1		81
BUS SSYN L	E02J1		1-05	*	P		2			1		81
BUS SSYN L	E03J1		1-06	*			1			3-5/8		81
BUS SSYN L	F01C1		1-07	*			2			1		81
BUS SSYN L	F02C1		1-08	*			1			1		81
BUS SSYN L	F03C1		1-09	*	H		2			11-5/8		81
BUS SSYN L	B08U1		1-10	*	P		2			1		81
BUS SSYN L	B09U1		1-11	*						1		81
BUS SSYN L			1							30-1/8		81
CN1 CLK NED L	B07E2		1-01	*			1			11-1/8		82
CN1 CLK NED L	F06B1		1-02	*						1		82
CN1 CLK NED L			1							11-1/8		82
CN1 CLR MSG DONE L	A07E1		1-01	*			1			7-1/8		83
CN1 CLR MSG DONE L	C06P1		1-02	*						1		83
CN1 CLR MSG DONE L			1							7-1/8		83
CN1 ENA INPUT DATA H	D04P1		1-01	*			1			5-7/8		84
CN1 ENA INPUT DATA H	F06F1		1-02	*						1		84
CN1 ENA INPUT DATA H			1							5-7/8		84
CN1 MODULE OUT CD H	E05U1		1-01	*			1			1-6/8		85
CN1 MODULE OUT CD H	E06K2		1-02	*						1		85
CN1 MODULE OUT CD H			1							1-6/8		85
CN1 SET FUN FF L	A07C1		1-01	*			1			12-5/8		86
CN1 SET FUN FF L	E06R1		1-02	*						1		86
CN1 SET FUN FF L			1							12-5/8		86
CN1 SET UFE L	B07T2		1-01	*			1			7-1/8		87
CN1 SET UFE L	E06P1		1-02	*						1		87
CN1 SET UFE L			1							7-1/8		87
CN1 WRT HDR ENA(1) H	B05K2		1-01	*			1			11-1/8		88
CN1 WRT HDR ENA(1) H	F04F1		1-02	*			2			2		88
CN1 WRT HDR ENA(1) H	F06S2		1-03	*						1		88
CN1 WRT HDR ENA(1) H			1							13-1/8		88
CN2 CLR SEC CNT H	B07R1		1-01	*			1			4-7/8		89
CN2 CLR SEC CNT H	D06E2		1-02	*						1		89
CN2 CLR SEC CNT H			1							4-7/8		89
CN2 CLR TRK CNT L	B07R1		1-01	*			1			9-5/8		90
CN2 CLR TRK CNT L	F06K1		1-02	*						1		90
CN2 CLR TRK CNT L			1							9-5/8		90
CN2 CORRECT SEC(1) H	E04S1		1-01	*			1			3-7/8		91
CN2 CORRECT SEC(1) H	F06N1		1-02	*						1		91
CN2 CORRECT SEC(1) H			1							3-7/8		91

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN ORDER PIN	03-JUN-77 RAY - Q ORDER	DRAW RV RG Y X Z	REMARKS	18-AUG-77	15:31 NC LENGTH EXCEPTIONS FLAG	PAGE 16	RUN NUMBER
CN2 INC SEC CNT L	A77P1	1-01 *				11-5/8		92
CN2 INC SEC CNT L	E06S1	1-02 *				11-5/8		92
CN2 INC SEC CNT L		1						
CN2 INC TRK CNT L	A07U1	1-01 *				10-7/8		93
CN2 INC TRK CNT L	E06T2	1-02 *				10-7/8		93
CN2 INC TRK CNT L		1						
CN2 SET COE L	C07C1	1-01 *				3-5/8		94
CN2 SET COE L	D06D1	1-02 *				3-5/8		94
CN2 SET COE L		1						
CN3 DR0 ATTN(1) H	C06F2	1-01 *				1		95
CN3 DR0 ATTN(1) H	C07F2	1-02 *				1-0/8		95
CN3 DR0 ATTN(1) H		1						
CN3 DR1 ATTN(1) H	C06L1	1-01 *				1-4/8		96
CN3 DR1 ATTN(1) H	C07D2	1-02 *				1-4/8		96
CN3 DR1 ATTN(1) H		1						
CN3 DR2 ATTN(1) H	C06M1	1-01 *				1-4/8		97
CN3 DR2 ATTN(1) H	C07F2	1-02 *				1-4/8		97
CN3 DR2 ATTN(1) H		1						
CN3 DR3 ATTN(1) H	C07F1	1-01 *				3-1/8		98
CN3 DR3 ATTN(1) H	D06A1	1-02 *				3-1/8		98
CN3 DR3 ATTN(1) H		1						
CN3 DR4 ATTN(1) H	C06H2	1-01 *				1-5/8		99
CN3 DR4 ATTN(1) H	C07R2	1-02 *				1-5/8		99
CN3 DR4 ATTN(1) H		1						
CN3 DR5 ATTN(1) H	C06H1	1-01 *				1-5/8		100
CN3 DR5 ATTN(1) H	C07L2	1-02 *				1-5/8		100
CN3 DR5 ATTN(1) H		1						
CN3 DR6 ATTN(1) H	C06K2	1-01 *				1		101
CN3 DR6 ATTN(1) H	C07M2	1-02 *				1-0/8		101
CN3 DR6 ATTN(1) H		1						
CN3 DR7 ATTN(1) H	C06F1	1-01 *				1-7/8		102
CN3 DR7 ATTN(1) H	C07R1	1-02 *				1-7/8		102
CN3 DR7 ATTN(1) H		1						
CN3 DRIVE ATTN L	D06N1	1-01 *				6-1/8		103
CN3 DRIVE ATTN L	F08K1	1-02 *				6-1/8		103
CN3 DRIVE ATTN L		1						
CN3 MSG(0) H	A07D1	1-01 *				14-5/8		104
CN3 MSG(0) H	F06J1	1-02 *				14-5/8		104
CN3 MSG(0) H		1						
CN3 POLL ADDR 0 H	A04C1	1-01 *				9-3/8		105
CN3 POLL ADDR 0 H	D06C1	1-02 *				9-3/8		105
CN3 POLL ADDR 0 H		1						

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN ORDER PIN	03-JUN-77 RAY - Q ORDER	DRAW RV RG Y X Z	REMARKS	18-AUG-77	15:31 NC LENGTH EXCEPTIONS FLAG	PAGE 17	RUN NUMBER
CN3 POLL ADDR 1 H	A04P2	1-01 *				8-3/8		106
CN3 POLL ADDR 1 H	D06D2	1-02 *				8-3/8		106
CN3 POLL ADDR 1 H		1						
CN3 POLL ADDR 2 H	A04E2	1-01 *				8-7/8		107
CN3 POLL ADDR 2 H	D06B1	1-02 *				8-7/8		107
CN3 POLL ADDR 2 H		1						
CN3 RCV ENABLE(0) H	B04K2	1-01 *				8-1/8		108
CN3 RCV ENABLE(0) H	E06C1	1-02 *				8-1/8		108
CN3 RCV ENABLE(0) H		1						
CN3 SELECTD DR ATTN L	B07F2	1-01 *				3-7/8		109
CN3 SELECTD DR ATTN L	C06L2	1-02 *				3-7/8		109
CN3 SELECTD DR ATTN L		1						
CN3 SFNR+RENB L	D06F2	1-01 *				3-5/8		110
CN3 SFNR+RENB L	E07K2	1-02 *				3-5/8		110
CN3 SFNR+RENB L		1						
CN3 STROBE OUT(1) H	A06L2	1-01 *				12-5/8		111
CN3 STROBE OUT(1) H	E04R1	1-02 *				12-5/8		111
CN3 STROBE OUT(1) H		1						
CN4 BAD SECTOR ERR H	B06P2	1-01 *				10-7/8		112
CN4 BAD SECTOR ERR H	F07J2	1-02 *				10-7/8		112
CN4 BAD SECTOR ERR H		1						
CN4 HDR*FIND HDR L	B06V2	1-01 *				7-5/8		113
CN4 HDR*FIND HDR L	E07L2	1-02 *				7-5/8		113
CN4 HDR*FIND HDR L		1						
CN4 HVRC ERROR H	A06L1	1-01 *				5-3/8		114
CN4 HVRC ERROR H	C07E1	1-02 *				5-3/8		114
CN4 HVRC ERROR H		1						
CN4 OPI(1) H	A06K1	1-01 *				6-1/8		115
CN4 OPI(1) H	C07K1	1-02 *				6-1/8		115
CN4 OPI(1) H		1						
CN4 SR CNT L	A07M1	1-01 *				5-7/8		116
CN4 SR CNT L	C06M2	1-02 *				5-7/8		116
CN4 SR CNT L		1						
CN5 CLK SR A L	C06N1	1-01 *				2-7/8		117
CN5 CLK SR A L	D07H1	1-02 *				2-7/8		117
CN5 CLK SR A L		1						
CN5 CLK SR B L	C06N2	1-01 *				5-7/8		118
CN5 CLK SR B L	E07M2	1-02 *				5-7/8		118
CN5 CLK SR B L		1						
CN5 CLR SEC/IND SEP L	A06T2	1-01 *				13-3/8		119
CN5 CLR SEC/IND SEP L	F04D1	1-02 *				13-3/8		119
CN5 CLR SEC/IND SEP L		1						

WRK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW RV RG Y X Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 18 EXCEPTIONS	RUN NUMBER
CNS COMBINED ERROR L	A06F1		1-01 *				6-7/8		120
CNS COMBINED ERROR L	C08N2		1-02 *						120
CNS COMBINED ERROR L			1				6-7/8		120
CNS LD A H	A05M1		1-01 *				1-5/8		121
CNS LD A H	A07K1		1-02 *				10-3/8		121
CNS LD A H	E06D2		1-03 *				12-0/8		121
CNS LD A H			1						121
CNS MESSAGE A OUT H	A04J2		1-01 *				3-7/8		122
CNS MESSAGE A OUT H	B06H2		1-02 *				3-7/8		122
CNS MESSAGE A OUT H			1						122
CNS MESSAGE B OUT H	B04H2		1-01 *				1-5/8		123
CNS MESSAGE B OUT H	B06F2		1-02 *				1-5/8		123
CNS MESSAGE B OUT H			1						123
CNS MSG TO T.	B07M1		1-01 *				7-3/8		124
CNS MSG TO L	E06A1		1-02 *				7-3/8		124
CNS MSG TO L			1						124
CNS SPAR ERR(1) H	A06S2		1-01 *				6-7/8		125
CNS SPAR ERR(1) H	C08V1		1-02 *				6-7/8		125
CNS SPAR ERR(1) H			1						125
CN6 CLR FF(1) L	A07H1		1-01 *				7-3/8		126
CN6 CLR FF(1) L	C06U1		1-02 *				7-3/8		126
CN6 CLR FF(1) L			1						126
CN6 CYL ADDR0 H	D06S1		1-01 *				2-5/8		127
CN6 CYL ADDR0 H	F07H2		1-02 *				2-5/8		127
CN6 CYL ADDR0 H			1						127
CN6 CYL ADDR1 H	D06S2		1-01 *				2-1/8		128
CN6 CYL ADDR1 H	E07E2		1-02 *				2-1/8		128
CN6 CYL ADDR1 H			1						128
CN6 CYL ADDR2 H	A06M2		1-01 *				10-1/8		129
CN6 CYL ADDR2 H	F07B1		1-02 *				10-1/8		129
CN6 CYL ADDR2 H			1						129
CN6 CYL ADDR3 H	A06V2		1-01 *				9-3/8		130
CN6 CYL ADDR3 H	F07E1		1-02 *				9-3/8		130
CN6 CYL ADDR3 H			1						130
CN6 CYL ADDR4 H	C06P1		1-01 *				4-7/8		131
CN6 CYL ADDR4 H	L07S1		1-02 *				4-7/8		131
CN6 CYL ADDR4 H			1						131
CN6 CYL ADDR5 H	B06T2		1-01 *				1-7/8		132
CN6 CYL ADDR5 H	C07H1		1-02 *				1-7/8		132
CN6 CYL ADDR5 H			1						132
CN6 CYL ADDR6 H	B06S1		1-01 *				3-7/8		133
CN6 CYL ADDR6 H	C07U2		1-02 *				3-7/8		133
CN6 CYL ADDR6 H			1						133

WRK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW RV RG Y X Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 19 EXCEPTIONS	RUN NUMBER
CN6 CYL ADDR7 H	A06H1		1-01 *				7-3/8		134
CN6 CYL ADDR7 H	C07U1		1-02 *				7-3/8		134
CN6 CYL ADDR7 H			1						134
CN6 CYL ADDR8 H	B06K1		1-01 *				11-1/8		135
CN6 CYL ADDR8 H	F07D2		1-02 *				11-1/8		135
CN6 CYL ADDR8 H			1						135
CN6 CYL ADDR9 H	B07E1		1-01 *				2-7/8		136
CN6 CYL ADDR9 H	C06A1		1-02 *				2-7/8		136
CN6 CYL ADDR9 H			1						136
CN6 MSG RCVD H	A07J1		1-01 *				10-1/8		137
CN6 MSG RCVD H	D06U1		1-02 *				10-1/8		137
CN6 MSG RCVD H			1						137
CN6 OP DONE L	C06E1		1-01 *				9-5/8		138
CN6 OP DONE L	F08H1		1-02 *				9-5/8		138
CN6 OP DONE L			1						138
DA1 OBUF 16 H	C08R1		1-01 *				7-3/8		139
DA1 OBUF 16 H	E05V2		1-02 *				7-3/8		139
DA1 OBUF 16 H			1						139
DA1 OBUF 17 H	C08H1		1-01 *				0-1/8		140
DA1 OBUF 17 H	E05U2		1-02 *				0-1/8		140
DA1 OBUF 17 H			1						140
DA1 WCE(1) H	B05U2		1-01 *				4-1/8		141
DA1 WCE(1) H	C07V2		1-02 *				4-1/8		141
DA1 WCE(1) H			1						141
DA3 COMBINED ERROR L	A05F1		1-01 *				0-1/8		142
DA3 COMBINED ERROR L	C08P2		1-02 *				0-1/8		142
DA3 COMBINED ERROR L			1						142
DA3 DBL CYCLE(0) H	B05H2		1-01 *				13-3/8		143
DA3 DBL CYCLE(0) H	F08U1		1-02 *				13-3/8		143
DA3 DBL CYCLE(0) H			1						143
DA3 DLT ERROR H	A05D1		1-01 *				7-5/8		144
DA3 DLT ERROR H	C07P1		1-02 *				7-5/8		144
DA3 DLT ERROR H			1						144
DA3 IBUF FULL(0) H	B05S2		1-01 *				10-7/8		145
DA3 IBUF FULL(0) H	F07F2		1-02 *				10-7/8		145
DA3 IBUF FULL(0) H			1						145
DA3 INC DR WC L	D05E2		1-01 *				6-1/8		146
DA3 INC DR WC L	F07B1		1-02 *				6-1/8		146
DA3 INC DR WC L			1						146
DA3 OBUF FULL(1) H	C05S2		1-01 *				0-3/8		147
DA3 OBUF FULL(1) H	F07H2		1-02 *				0-3/8		147
DA3 OBUF FULL(1) H			1						147

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW OPT	RV RG Y	X Z	REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 20 EXCEPTIONS	RUN NUMBER
DA4 ADDRESS TO BUS L	A05L2		1-01 *			1			13-1/8		140
DA4 ADDRESS TO BUS L	E08U2		1-02 *								140
DA4 ADDRESS TO BUS L			1						13-1/8		140
DA4 DATA RQST(1) L	B05M2		1-01 *			1			12-1/8		149
DA4 DATA RQST(1) L	F08L1		1-02 *								149
DA4 DATA RQST(1) L			1						12-1/8		149
DA4 END CYCLE(0) H	A05A1		1-01 *			1			10-1/8		150
DA4 END CYCLE(0) H	D06T1	C07L1	1-02 *			2			3-5/8		150
DA4 END CYCLE(0) H	C07L1		1-03 *								150
DA4 END CYCLE(0) H			1						13-6/8		150
DA4 MSYN CLR(1) H	D05J2		1-01 *			1			6-7/8		151
DA4 MSYN CLR(1) H	F07P1		1-02 *								151
DA4 MSYN CLR(1) H			1						6-7/8		151
DA4 MSYN(1) L	A05E2		1-01 *			1			16-1/8		152
DA4 MSYN(1) L	F08S1		1-02 *								152
DA4 MSYN(1) L			1						16-1/8		152
DA4 NEM(1) H	A05J1		1-01 *			1			7-1/8		153
DA4 NEM(1) H	C07N1		1-02 *								153
DA4 NEM(1) H			1						7-1/8		153
DA5 CLR RD HDR L	B05J2		1-01 *			1			12-3/8		154
DA5 CLR RD HDR L	F06V1		1-02 *								154
DA5 CLR RD HDR L			1						12-3/8		154
DA5 SHIFT REG 00 H	F05H2		1-01 *			1			4-7/8		155
DA5 SHIFT REG 00 H	F04U2		1-02 *								155
DA5 SHIFT REG 00 H			1						4-7/8		155
DA6 DATA FIELD H	B04P2		1-01 *			1			5-3/8		156
DA6 DATA FIELD H	D05H2		1-02 *								156
DA6 DATA FIELD H			1						5-3/8		156
DA6 DATA H	D05B1		1-01 *			1			7-1/8		157
DA6 DATA H	F04M2		1-02 *								157
DA6 DATA H			1						7-1/8		157
DA6 ECC FIELD L	C05V2		1-01 *			1			7-3/8		158
DA6 ECC FIELD L	F04F2		1-02 *								158
DA6 ECC FIELD L			1						7-3/8		158
DA6 HEADER DATA L	C06U2		1-01 *			2			2-1/8		159
DA6 HEADER DATA L	D05F2		1-02 *			1			6-3/8		159
DA6 HEADER DATA L	F04J2		1-03 *								159
DA6 HEADER DATA L			1						8-4/8		159
DA6 HEADER H	D05C1		1-01 *			1			4-5/8		160
DA6 HEADER H	E04T2		1-02 *								160
DA6 HEADER H			1						4-5/8		160

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW OPT	RV RG Y	X Z	REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 21 EXCEPTIONS	RUN NUMBER
DA6 POSTAMBLE H	B04T2		1-01 *			2			3-1/8		161
DA6 POSTAMBLE H	C05U1		1-02 *			1			8-5/8		161
DA6 POSTAMBLE H	F06S1		1-03 *								161
DA6 POSTAMBLE H			1						11-6/8		161
DA6 RD GT WINDOW L	C05H2		1-01 *			1			3-3/8		162
DA6 RD GT WINDOW L	D04T2		1-02 *								162
DA6 RD GT WINDOW L			1						3-3/8		162
DA6 SET DATA FLD H	D05L2		1-01 *			1			6-7/8		163
DA6 SET DATA FLD H	F04S2		1-02 *								163
DA6 SET DATA FLD H			1						6-7/8		163
DA6 SET HDR DATA H	C05J2		1-01 *			1			9-7/8		164
DA6 SET HDR DATA H	F04T2		1-02 *								164
DA6 SET HDR DATA H			1						9-7/8		164
DA6 SET POSTAMBLE H	D05M2		1-01 *			1			3-7/8		165
DA6 SET POSTAMBLE H	F04P1		1-02 *								165
DA6 SET POSTAMBLE H			1						3-7/8		165
DA7 MODULE OUT DD H	E05V1		1-01 *			1			2-7/8		166
DA7 MODULE OUT DD H	F04M1		1-02 *								166
DA7 MODULE OUT DD H			1						2-7/8		166
DA7 MSG SEL 0(1) H	E07M1		1-01 *			1			3-7/8		167
DA7 MSG SEL 0(1) H	F05N2		1-02 *								167
DA7 MSG SEL 0(1) H			1						3-7/8		167
DA7 MSG SEL 1(1) H	E07L1		1-01 *			1			3-7/8		168
DA7 MSG SEL 1(1) H	F05L2		1-02 *								168
DA7 MSG SEL 1(1) H			1						3-7/8		168
DA7 MSG SEL 2(1) H	E07K1		1-01 *			1			3-5/8		169
DA7 MSG SEL 2(1) H	F05H2		1-02 *								169
DA7 MSG SEL 2(1) H			1						3-5/8		169
DA7 MSG SEL 3(1) H	E07J1		1-01 *			1			3-5/8		170
DA7 MSG SEL 3(1) H	F05E2		1-02 *								170
DA7 MSG SEL 3(1) H			1						3-5/8		170
DA7 START DATA XFR H	A05T2		1-01 *			1			11-3/8		171
DA7 START DATA XFR H	E06U2		1-02 *								171
DA7 START DATA XFR H			1						11-3/8		171
DEV1 RG IN H	D01U2		1-01 *			1			3-7/8		172
DEV1 RG IN H	F01B1		1-02 *								172
DEV1 RG IN H			1						3-7/8		172
DEV1 RG OUT H	D01V2		1-01 *			1			3-7/8		173
DEV1 RG OUT H	F01A1		1-02 *								173
DEV1 RG OUT H			1						3-7/8		173

RR611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 22 EXCEPTIONS	RUN NUMBER
DEV1 BR OUT L	D01J2		1-01 *							2			6-5/8		174
DEV1 BR OUT L	F01P1		1-02 *							1			1		174
DEV1 BR OUT L	F01U2		1-03 *										7-5/8		174
DEV1 BR OUT L			1												174
DEV1 F01L2	F01L2		1-01 *							1			1		175
DEV1 F01L2	F01P1		1-02 *												175
DEV1 F01L2			1										1-0/8		175
DEV1 F01M2	F01M2		1-01 *							1			1		176
DEV1 F01M2	F01S1		1-02 *												176
DEV1 F01M2			1										1-0/8		176
DEV1 F01N1	F01D2		1-01 *							2			1-5/8		177
DEV1 F01N1	F01N1		1-02 *							1			0-4/8		177
DEV1 F01N1	F01P2		1-03 *												177
DEV1 F01N1			1										2-1/8		177
DEV1 F01P2	F01P2		1-01 *							1			0-4/8		178
DEV1 F01P2	F01S2		1-02 *												178
DEV1 F01P2			1										0-4/8		178
DEV1 F01V2	F01E1		1-01 *							1			2-3/8		179
DEV1 F01V2	F01V2		1-02 *												179
DEV1 F01V2			1										2-3/8		179
DEV1 IN H	D01H1		1-01 *							1			3-4/8		180
DEV1 IN H	E01M1		1-02 *												180
DEV1 IN H			1										3-4/8		180
DEV1 INIT A H	D01N1		1-01 *							1			0-3/8		181
DEV1 INIT A H	F01U1		1-02 *												181
DEV1 INIT A H			1										0-3/8		181
DEV1 INIT B H	C01J1		1-01 *							1			8-5/8		182
DEV1 INTI B H	F01K2		1-02 *												182
DEV1 INIT B H			1										0-5/8		182
DEV1 INT EM6A H	D01M1		1-01 *							1			6-5/8		183
DEV1 INT EM6A H	F01V1		1-02 *												183
DEV1 INT EM6A H			1										6-5/8		183
DEV1 INT EM6B H	C01L1		1-01 *							1			8-1/8		184
DEV1 INT EM6B H	F01H2		1-02 *												184
DEV1 INT EM6B H			1										8-1/8		184
DEV1 OUT HIGH H	D01K1		1-01 *							1			3-3/8		185
DEV1 OUT HIGH H	E01K2		1-02 *												185
DEV1 OUT HIGH H			1										3-3/8		185
DEV1 OUT LOW H	D01D1		1-01 *							1			4		186
DEV1 OUT LOW H	E01N1		1-02 *												186
DEV1 OUT LOW H			1										4-0/8		186

RR611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 23 EXCEPTIONS	RUN NUMBER
DEV1 SELECT 0 H	D01F1		1-01 *							1			4-1/8		187
DEV1 SELECT 0 H	E01S2		1-02 *												187
DEV1 SELECT 0 H			1										4-1/8		187
DEV1 SELECT 2 H	D01J1		1-01 *							1			4-1/8		188
DEV1 SELECT 2 H	E01T2		1-02 *												188
DEV1 SELECT 2 H			1										4-1/8		188
DEV1 SELECT 4 H	D01E1		1-01 *							1			4-3/8		189
DEV1 SELECT 4 H	E01P2		1-02 *												189
DEV1 SELECT 4 H			1										4-3/8		189
DEV1 SELECT 6 H	D01C1		1-01 *							1			4-4/8		190
DEV1 SELECT 6 H	E01S1		1-02 *												190
DEV1 SELECT 6 H			1										4-4/8		190
DEV1 SSM INHIBIT L	D01V1		1-01 *							1			1		191
DEV1 SSM INHIBIT L	F01B1		1-02 *												191
DEV1 SSM INHIBIT L			1										1-0/8		191
DEV2 RG IN H	D02U2		1-01 *							1			3-7/8		192
DEV2 RG IN H	F02B1		1-02 *												192
DEV2 RG IN H			1										3-7/8		192
DEV2 RG OUT H	D02V2		1-01 *							1			3-7/8		193
DEV2 RG OUT H	F02A1		1-02 *												193
DEV2 RG OUT H			1										3-7/8		193
DEV2 BR OUT L	D02J2		1-01 *							2			0-5/8		194
DEV2 BR OUT L	F02P1		1-02 *							1			1		194
DEV2 BR OUT L	F02U2		1-03 *												194
DEV2 BR OUT L			1										7-5/8		194
DEV2 F02L2	F02L2		1-01 *							1			1		195
DEV2 F02L2	F02R1		1-02 *												195
DEV2 F02L2			1										1-0/8		195
DEV2 F02M2	F02M2		1-01 *							1			1		196
DEV2 F02M2	F02S1		1-02 *												196
DEV2 F02M2			1										1-0/8		196
DEV2 F02N1	F02D2		1-01 *							2			1-5/8		197
DEV2 F02N1	F02N1		1-02 *							1			0-4/8		197
DEV2 F02N1	F02R2		1-03 *												197
DEV2 F02N1			1										2-1/8		197
DEV2 F02P2	F02P2		1-01 *							1			0-4/8		198
DEV2 F02P2	F02S2		1-02 *												198
DEV2 F02P2			1										0-4/8		198
DEV2 F02V2	F02E1		1-01 *							1			2-3/8		199
DEV2 F02V2	F02V2		1-02 *												199
DEV2 F02V2			1										2-3/8		199

WK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER NAME PIN	03-JUN-77 BAY = Q DRAW ORDER OPT	RV RG Y OPT	X Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 26 EXCEPTIONS	RUN NUMBER
DEV3 SELECT 0 H	D03F1	1-01 *		1			4-1/8		227
DEV3 SELECT 0 H	E03S2	1-02 *							227
DEV3 SELECT 0 H		1					4-1/8		227
DEV3 SELECT 2 H	D03J1	1-01 *		1			4-1/8		228
DEV3 SELECT 2 H	E03T2	1-02 *							228
DEV3 SELECT 2 H		1					4-1/8		228
DEV3 SELECT 4 H	D03E1	1-01 *		1			4-3/8		229
DEV3 SELECT 4 H	E03R2	1-02 *							229
DEV3 SELECT 4 H		1					4-3/8		229
DEV3 SELECT 6 H	D03C1	1-01 *		1			4-4/8		230
DEV3 SELECT 6 H	E03S1	1-02 *							230
DEV3 SELECT 6 H		1					4-4/8		230
DEV3 SSYN INHIBIT L	D03V1	1-01 *		1			1		231
DEV3 SSYN INHIBIT L	E03R1	1-02 *							231
DEV3 SSYN INHIBIT L		1					1-0/8		231
DR1 DISABLE PLO OUT L	F04H2	1-01 *		1			0-4/8		232
DR1 DISABLE PLO OUT L	F04K2	1-02 *							232
DR1 DISABLE PLO OUT L		1					0-4/8		232
DR2 CONTR DATA CLK H	F04H2	1-01 *		1			1-7/8		233
DR2 CONTR DATA CLK H	E05S2	1-02 *							233
DR2 CONTR DATA CLK H		1					1-7/8		233
DR2 CONTR INDEX H	F04J2	1-01 *		1			5-1/8		234
DR2 CONTR INDEX H	F04V2	1-02 *							234
DR2 CONTR INDEX H		1					5-1/8		234
DR2 CONTR SEC PULSE H	B05R2	1-01 *		1			7-5/8		235
DR2 CONTR SEC PULSE H	D06H1	1-02 *		2			4-1/8		235
DR2 CONTR SEC PULSE H	E04N2	1-03 *							235
DR2 CONTR SEC PULSE H		1					11-6/8		235
DR2 DIAG MODE(1) H	A05V1	1-01 *		2			3-1/8		236
DR2 DIAG MODE(1) H	B07L1	1-02 *		1			10-3/8		236
DR2 DIAG MODE(1) H	F08R1	1-03 *		2			2		236
DR2 DIAG MODE(1) H	F06H1	1-04 *		1			2-5/8		236
DR2 DIAG MODE(1) H	E04U2	1-05 *							236
DR2 DIAG MODE(1) H		1					18-1/8		236
DR2 M RD DATA(1) H	E05S1	1-01 *		1			7-5/8		237
DR2 M RD DATA(1) H	E04K2	1-02 *							237
DR2 M RD DATA(1) H		1					7-5/8		237
DR2 M SEC PUL(1) H	A05R1	1-01 *		1			11-1/8		238
DR2 M SEC PUL(1) H	E04P2	1-02 *							238
DR2 M SEC PUL(1) H		1					11-1/8		238
DR2 MAINT CLK(1) H	B05V1	1-01 *		1			7-1/8		239
DR2 MAINT CLK(1) H	E04J2	1-02 *							239
DR2 MAINT CLK(1) H		1					7-1/8		239

WK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN ORDER NAME PIN	03-JUN-77 BAY = Q DRAW ORDER OPT	RV RG Y OPT	X Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 27 EXCEPTIONS	RUN NUMBER
DR2 MAINT IND(1) H	A05N1	1-01 *		1			11-1/8		240
DR2 MAINT IND(1) H	E04M2	1-02 *							240
DR2 MAINT IND(1) H		1					11-1/8		240
DR2 NRZ RD DATA(1) H	B06V2	1-01 *		2			1-5/8		241
DR2 NRZ RD DATA(1) H	B05V2	1-02 *		1			10-7/8		241
DR2 NRZ RD DATA(1) H	F04N1	1-03 *							241
DR2 NRZ RD DATA(1) H		1					12-4/8		241
DR2 PAR TEST(1) H	B05J1	1-01 *		1			3-7/8		242
DR2 PAR TEST(1) H	C06P1	1-02 *		2			4-3/8		242
DR2 PAR TEST(1) H	D04U2	1-03 *							242
DR2 PAR TEST(1) H		1					8-2/8		242
DR2 RD DATA CLK H	A06V1	1-01 *		2			4-3/8		243
DR2 RD DATA CLK H	C05E2	1-02 *		1			10-3/8		243
DR2 RD DATA CLK H	F04S1	1-03 *							243
DR2 RD DATA CLK H		1					14-6/8		243
DR2 TMNG CLK B(0) H	B05N2	1-01 *		1			10-3/8		244
DR2 TMNG CLK B(0) H	F04A1	1-02 *							244
DR2 TMNG CLK B(0) H		1					10-3/8		244
DR2 TMNG CLK B(1) H	C05P2	1-01 *		1			6-7/8		245
DR2 TMNG CLK B(1) H	E04L1	1-02 *							245
DR2 TMNG CLK B(1) H		1					6-7/8		245
DR3 ADVANCE H	B05L2	1-01 *		1			4-5/8		246
DR3 ADVANCE H	C04U1	1-02 *							246
DR3 ADVANCE H		1					4-5/8		246
DR3 DELAY H	C04V2	1-01 *		1			4-1/8		247
DR3 DELAY H	E05E1	1-02 *							247
DR3 DELAY H		1					4-1/8		247
DR3 MFM WRT DATA L	A34T2	1-01 *		1			3-1/8		248
DR3 MFM WRT DATA L	B05P2	1-02 *							248
DR3 MFM WRT DATA L		1					3-1/8		248
DR4 BAD RD DATA(1) H	D04J2	1-01 *		1			1-7/8		249
DR4 BAD RD DATA(1) H	D06U2	1-02 *							249
DR4 BAD RD DATA(1) H		1					1-7/8		249
DR4 DCK ERROR H	C07P2	1-01 *		1			4-2/8		250
DR4 DCK ERROR H	D04M1	1-02 *							250
DR4 DCK ERROR H		1					4-2/8		250
DR4 ECC CLK H	B05L1	1-01 *		1			8-7/8		251
DR4 ECC CLK H	E04M1	1-02 *							251
DR4 ECC CLK H		1					8-7/8		251
DR4 ECH(1) H	A04F2	1-01 *		1			14-7/8		252
DR4 ECH(1) H	F07H1	1-02 *							252
DR4 ECH(1) H		1					14-7/8		252

RK611,F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - Q ORDER	DRAW OPT	RV RG Y X Z	REMARKS	18-Aug-77	15131 NC LENGTH FLAG	PAGE 28 EXCEPTIONS	RUN NUMBER
DR6 COMBINED ERROR L	D00F2		1-01 *		1			5-4/8		253
DR6 COMBINED ERROR L	E04N1		1-02 *					5-4/8		253
DR6 COMBINED ERROR L			1							253
DR6 CONTROL CLOCK H	H06A1		1-01 *		1			9-7/8		254
DR6 CONTROL CLOCK H	E04J1		1-02 *					9-7/8		254
DR6 CONTROL CLOCK H			1							254
DR6 DTE(1) H	C07N2		1-01 *		1			8-1/8		255
DR6 DTE(1) H	E04U1		1-02 *					8-1/8		255
DR6 DTE(1) H			1							255
DR7 BEGIN SECTOR(1) H	R05E1		1-01 *		1			9-7/8		256
DR7 BEGIN SECTOR(1) H	E04V2		1-02 *					9-7/8		256
DR7 BEGIN SECTOR(1) H			1							256
DR7 RD GATE H	D05U1		1-01 *		1			4-5/8		257
DR7 RD GATE H	F04E1		1-02 *					4-5/8		257
DR7 RD GATE H			1							257
DR7 RD OF WRCHK H	C05N2		1-01 *		1			8-1/8		258
DR7 RD OF WRCHK H	F04F2		1-02 *					8-1/8		258
DR7 RD OF WRCHK H			1							258
DR7 WRT GATE H	B04E2		1-01 *		1			6-5/8		259
DR7 WRT GATE H	D05V2		1-02 *					6-5/8		259
DR7 WRT GATE H			1							259
DR8 ATTN LINE H	A04R2		1-01 *		1			6-7/8		260
DR8 ATTN LINE H	C06V1		1-02 *					6-7/8		260
DR8 ATTN LINE H			1							260
DR8 DRIVE SACK H	A04T2		1-01 *		2			4-1/8		261
DR8 DRIVE SACK H	R07K1		1-02 *		1			12-3/8		261
DR8 DRIVE SACK H	F06U1		1-03 *					16-4/8		261
DR8 DRIVE SACK H			1							261
DR8 MESSAGE A IN H	A06U1		1-01 *		2			3-7/8		262
DR8 MESSAGE A IN H	B04U2		1-02 *		1			7-3/8		262
DR8 MESSAGE A IN H	E07A1		1-03 *					11-2/8		262
DR8 MESSAGE A IN H			1							262
DR8 MESSAGE B IN H	A06U2		1-01 *		2			3-5/8		263
DR8 MESSAGE B IN H	B04R2		1-02 *		1			8-7/8		263
DR8 MESSAGE B IN H	F07J2		1-03 *					12-4/8		263
DR8 MESSAGE B IN H			1							263
DR8 MUL DR SEL H	B04E2		1-01 *		1			4-5/8		264
DR8 MUL DR SEL H	C07J1		1-02 *					4-5/8		264
DR8 MUL DR SEL H			1							264
DR8 RCV STROBE H	B04J2		1-01 *		1			5-7/8		265
DR8 RCV STROBE H	D06E1		1-02 *					5-7/8		265
DR8 RCV STROBE H			1							265

RK611,F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - Q ORDER	DRAW OPT	RV RG Y X Z	REMARKS	18-Aug-77	15131 NC LENGTH FLAG	PAGE 29 EXCEPTIONS	RUN NUMBER
GND 01	A01R2		1-01 *	P	1			0-1/8		266
GND 01	A01C2		1-02 *	P	2			1-5/8		266
GND 01	A01M1		1-03 *	P	2			0-1/8		266
GND 01	A01P1		1-04 *	P	2			0-1/8		266
GND 01	A01R1		1-05 *	P	2			0-1/8		266
GND 01	A01S1		1-06 *	P	2			0-1/8		266
GND 01	A01T1		1-07 *	P	2			0-4/8		266
GND 01	A01V2		1-08 *	P	2			1-2/8		266
GND 01	B01B2		1-09 *	P	2			0-1/8		266
GND 01	B01C2		1-10 *	P	2			0-1/8		266
GND 01	B01D1		1-11 *	P	2			0-1/8		266
GND 01	B01E1		1-12 *	P	2			1-7/8		266
GND 01	B01T1		1-13 *	P	2			0-4/8		266
GND 01	B01V2		1-14 *	P	2			1-1/8		266
GND 01	C01C2		1-15 *	P	2			2-1/8		266
GND 01	C01T1		1-16 *	P	2			1-5/8		266
GND 01	D01C2		1-17 *	P	2			2-1/8		266
GND 01	D01T1		1-18 *	P	2			1-3/8		266
GND 01	E01C2		1-19 *	P	2			2-1/8		266
GND 01	E01T1		1-20 *	P	2			1-5/8		266
GND 01	F01C2		1-21 *	P	2			2-1/8		266
GND 01	F01T1		1-22 *	P	2			5-1/8		266
GND 01	E01A1		1-23 *	P	2			4-3/8		266
GND 01	F01J2		1-24 *	P	2					266
GND 01			1					30-4/8		266
GND 02	A02C2		1-01 *	P	1			2-1/8		267
GND 02	A02T1	B02C2	1-02 *	P	2			1-5/8		267
GND 02	E02C2		1-03 *	P	2			2-1/8		267
GND 02	B02T1		1-04 *	P	2			1-3/8		267
GND 02	C02C2		1-05 *	P	2			2-1/8		267
GND 02	C02T1		1-06 *	P	2			1-5/8		267
GND 02	D02C2		1-07 *	P	2			2-1/8		267
GND 02	D02T1		1-08 *	P	2			1-1/8		267
GND 02	E02A1		1-09 *	P	2			0-4/8		267
GND 02	E02C2		1-10 *	P	2			2-1/8		267
GND 02	E02T1		1-11 *	P	2			1-5/8		267
GND 02	F02C2		1-12 *	P	2			1-1/8		267
GND 02	F02J2		1-13 *	P	2			1-5/8		267
GND 02	F02T1		1-14 *	P	2					267
GND 02			1					21-2/8		267

RR611.F RUN NAME	WHAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y X Z	REMARKS	10-AUG-77	15:31 NC LENGTH FLAG	PAGE 30 EXCEPTIONS	RUN NUMBER
GND 03	A03C2		1-01 * P			1			2-1/8		268
GND 03	A03T1		1-02 * P			2			1-5/8		268
GND 03	B03C2		1-03 * P			2			2-1/8		268
GND 03	B03T1		1-04 * P			2			1-3/8		268
GND 03	C03C2		1-05 * P			2			2-1/8		268
GND 03	C03T1		1-06 * P			2			1-5/8		268
GND 03	D03C2		1-07 * P			2			2-1/8		268
GND 03	D03T1		1-08 * P			2			1-1/8		268
GND 03	E03A1		1-09 * P			2			0-4/8		268
GND 03	E03C2		1-10 * P			2			2-1/8		268
GND 03	E03T1		1-11 * P			2			1-5/8		268
GND 03	F03C2		1-12 * P			2			2-1/8		268
GND 03	F03T1		1-13 * P			2			1-5/8		268
GND 03	F03J2		1-14 * P			2			2-1/8		268
GND 03			1						22-2/8		268
GND 04	A04C2		1-01 * P			1			2-1/8		269
GND 04	A04T1		1-02 * P			2			1-5/8		269
GND 04	B04C2		1-03 * P			2			2-1/8		269
GND 04	B04T1		1-04 * P			2			1-3/8		269
GND 04	C04C2		1-05 * P			2			2-1/8		269
GND 04	C04T1		1-06 * P			2			1-5/8		269
GND 04	D04C2		1-07 * P			2			2-1/8		269
GND 04	D04T1		1-08 * P			2			1-3/8		269
GND 04	E04C2		1-09 * P			2			2-1/8		269
GND 04	E04T1		1-10 * P			2			1-5/8		269
GND 04	F04C2		1-11 * P			2			2-1/8		269
GND 04	F04T1		1-12 * P			2			2-1/8		269
GND 04			1						20-3/8		269
GND 05	A05C2		1-01 * P			1			2-1/8		270
GND 05	A05T1		1-02 * P			2			1-5/8		270
GND 05	B05C2		1-03 * P			2			2-1/8		270
GND 05	B05T1		1-04 * P			2			1-3/8		270
GND 05	C05C2		1-05 * P			2			2-1/8		270
GND 05	C05T1		1-06 * P			2			1-5/8		270
GND 05	D05C2		1-07 * P			2			2-1/8		270
GND 05	D05T1		1-08 * P			2			1-3/8		270
GND 05	E05C2		1-09 * P			2			2-1/8		270
GND 05	E05T1		1-10 * P			2			1-5/8		270
GND 05	F05C2		1-11 * P			2			2-1/8		270
GND 05	F05T1		1-12 * P			2			2-1/8		270
GND 05			1						20-3/8		270

RR611.F RUN NAME	WHAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y X Z	REMARKS	10-AUG-77	15:31 NC LENGTH FLAG	PAGE 31 EXCEPTIONS	RUN NUMBER
GND 06	A06C2		1-01 * P			1			2-1/8		271
GND 06	A06T1		1-02 * P			2			1-5/8		271
GND 06	B06C2		1-03 * P			2			2-1/8		271
GND 06	B06T1		1-04 * P			2			1-3/8		271
GND 06	C06C2		1-05 * P			2			2-1/8		271
GND 06	C06T1		1-06 * P			2			1-5/8		271
GND 06	D06C2		1-07 * P			2			2-1/8		271
GND 06	D06T1		1-08 * P			2			1-3/8		271
GND 06	E06C2		1-09 * P			2			2-1/8		271
GND 06	E06T1		1-10 * P			2			1-5/8		271
GND 06	F06C2		1-11 * P			2			2-1/8		271
GND 06	F06T1		1-12 * P			2			2-1/8		271
GND 06			1						20-3/8		271
GND 07	A07C2		1-01 * P			1			2-1/8		272
GND 07	A07T1		1-02 * P			2			1-5/8		272
GND 07	B07C2		1-03 * P			2			2-1/8		272
GND 07	B07T1		1-04 * P			2			1-3/8		272
GND 07	C07C2		1-05 * P			2			2-1/8		272
GND 07	C07T1		1-06 * P			2			1-5/8		272
GND 07	D07C2		1-07 * P			2			2-1/8		272
GND 07	D07T1		1-08 * P			2			1-3/8		272
GND 07	E07C2		1-09 * P			2			2-1/8		272
GND 07	E07T1		1-10 * P			2			1-5/8		272
GND 07	F07C2		1-11 * P			2			2-1/8		272
GND 07	F07T1		1-12 * P			2			2-1/8		272
GND 07			1						20-3/8		272
GND 08	A08C2		1-01 * P			1			2-1/8		273
GND 08	A08T1		1-02 * P			2			1-5/8		273
GND 08	B08C2		1-03 * P			2			2-1/8		273
GND 08	B08T1		1-04 * P			2			1-3/8		273
GND 08	C08C2		1-05 * P			2			2-1/8		273
GND 08	C08T1		1-06 * P			2			1-5/8		273
GND 08	D08C2		1-07 * P			2			2-1/8		273
GND 08	D08T1		1-08 * P			2			1-3/8		273
GND 08	E08C2		1-09 * P			2			2-1/8		273
GND 08	E08T1		1-10 * P			2			1-5/8		273
GND 08	F08C2		1-11 * P			2			2-1/8		273
GND 08	F08T1		1-12 * P			2			2-1/8		273
GND 08			1						20-3/8		273

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - ORDER	Q	DRAW	RV RG Y	X Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 32 EXCEPTIONS	RUN NUMBER
GND 09	A09B2		1-01 *	P			1			0-1/8		274
GND 09	A09C2		1-02 *	P			2			1-5/8		274
GND 09	A09M1		1-03 *	P			2			0-1/8		274
GND 09	A09P1		1-04 *	P			2			0-1/8		274
GND 09	A09R1		1-05 *	P			2			0-1/8		274
GND 09	A09S1		1-06 *	P			2			0-1/8		274
GND 09	A09T1		1-07 *	P			2			0-4/8		274
GND 09	A09V2		1-08 *	P			2			1-2/8		274
GND 09	B09B2		1-09 *	P			2			0-1/8		274
GND 09	B09C2		1-10 *	P			2			0-1/8		274
GND 09	B09D1		1-11 *	P			2			0-1/8		274
GND 09	B09E1		1-12 *	P			2			1-7/8		274
GND 09	B09T1		1-13 *	P			2			0-4/8		274
GND 09	B09V2		1-14 *	P			2			1-1/8		274
GND 09	C09C2		1-15 *	P			2			2-1/8		274
GND 09	C09T1		1-16 *	P			2			1-5/8		274
GND 09	D09C2		1-17 *	P			2			2-1/8		274
GND 09	D09T1		1-18 *	P			2			1-3/8		274
GND 09	E09C2		1-19 *	P			2			2-1/8		274
GND 09	E09T1		1-20 *	P			2			1-5/8		274
GND 09	F09C2		1-21 *	P			2			2-1/8		274
GND 09	F09T1		1-22 *	P			2					274
GND 09			1							21-0/8		274
LTC	C0101		1-01 *	P			1			1		275
LTC	C0201		1-02 *	P			2			1		275
LTC	C0301		1-03 *	P			1					275
LTC			1							2-0/8		275
MUBUS INT SSYN	B02E1		1-01 *	P			1			1		276
MUBUS INT SSYN	B03E1		1-02 *	P			1					276
MUBUS INT SSYN			1							1-0/8		276
MUBUS PAR DET	B02E2		1-01 *	P			1			1		277
MUBUS PAR DET	B03E2		1-02 *	P			1					277
MUBUS PAR DET			1							1-0/8		277
MUBUS PAR P0 L	A02P1		1-01 *	P			1			1		278
MUBUS PAR P0 I	A03P1		1-02 *	P			1					278
MUBUS PAR P0 L			1							1-0/8		278
MUBUS PAR P1 L	A02N1		1-01 *	P			1			1		279
MUBUS PAR P1 I	A03N1		1-02 *	P			1					279
MUBUS PAR P1 L			1							1-0/8		279
MUBUS SPARE BUS	B02A1		1-01 *	P			1			1		280
MUBUS SPARE BUS	B03A1		1-02 *	P			1					280
MUBUS SPARE BUS			1							1-0/8		280
RG1 MODULE OUT PC H	E06J2		1-01 *	P			1			1-3/8		281
RG1 MODULE OUT PC H	E07R2		1-02 *	P			1					281
RG1 MODULE OUT PC H			1							1-3/8		281
RG3 BAI INHTFT(1) H	D07E2		1-01 *	P			1			3-5/8		282
RG3 BAI INHTFT(1) H	E08K1		1-02 *	P			1					282
RG3 BAI INHTFT(1) H			1							3-5/8		282

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - ORDER	Q	DRAW	RV RG Y	X Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 33 EXCEPTIONS	RUN NUMBER
RG3 DR SEL 0(1) H	C06K1		1-01 *	P			1			3-5/8		283
RG3 DF SEL 0(1) H	D07H2		1-02 *	P			1					283
RG3 DR SEL 0(1) H			1							3-5/8		283
RG3 DR SEL 1(1) H	C06J1		1-01 *	P			1			3-1/8		284
RG3 DP SEL 1(1) H	D07E1		1-02 *	P			1					284
RG3 DP SEL 1(1) H			1							3-1/8		284
RG3 DR SEL 2(1) H	C06J2		1-01 *	P			1			1-7/8		285
RG3 DR SEL 2(1) H	C07V1		1-02 *	P			1					285
RG3 DR SEL 2(1) H			1							1-7/8		285
RG3 DR SEL 3(1) H	D04V2		1-01 *	P			2			1-4/8		286
RG3 DR SEL 3(1) H	E06D1		1-02 *	P			1			3-3/8		286
RG3 DR SEL 3(1) H	D07C1		1-03 *	P			1					286
RG3 DR SEL 3(1) H			1							4-7/8		286
RG3 DR WC OF LO(1) H	A05N2		1-01 *	P			1			0-5/8		287
RG3 DR WC OF LO(1) H	D07J1		1-02 *	P			2			6-7/8		287
RG3 DR WC OF LO(1) H	F06P1		1-03 *	P			1					287
RG3 DR WC OF LO(1) H			1							15-4/8		287
RG3 WC OFLO(1) H	A05U2		1-01 *	P			1			0-3/8		288
RG3 WC OFLO(1) H	D07J2		1-02 *	P			2			6-3/8		288
RG3 WC OFLO(1) H	F06L2		1-03 *	P			1					288
RG3 WC OFLO(1) H			1							14-6/8		288
RG5 SEC CNT OFLO H	B07P1		1-01 *	P			1			11-5/8		289
RG5 SEC CNT OFLO H	F06U2		1-02 *	P			1					289
RG5 SEC CNT OFLO H			1							11-5/8		289
RG5 TRK CNT OFLO H	A07L1		1-01 *	P			1			11-5/8		290
RG5 TRK CNT OFLO H	E06N1		1-02 *	P			1					290
RG5 TRK CNT OFLO H			1							11-5/8		290
RG6 ASRO 00 H	B06J2		1-01 *	P			1			6-3/8		291
RG6 ASRO 00 H	D07N1		1-02 *	P			1					291
RG6 ASRO 00 H			1							6-3/8		291
RG6 ASRO 15 H	B06E1		1-01 *	P			1			9-1/8		292
RG6 ASRO 15 H	E07F2		1-02 *	P			1					292
RG6 ASRO 15 H			1							9-1/8		292
RG6 ASRO 00 H	B06E2		1-01 *	P			1			9-3/8		293
RG6 ASRO 00 H	E07N1		1-02 *	P			1					293
RG6 BSPO 00 H			1							9-3/8		293
RG6 BSRO 15 H	B06P1		1-01 *	P			1			9-3/8		294
RG6 BSRO 15 H	E07P1		1-02 *	P			1					294
RG6 BSRO 15 H			1							9-3/8		294
RG6 COMBINED ERROR L	A07N1		1-01 *	P			1			5-1/8		295
RG6 COMBINED ERROR L	C08E1		1-02 *	P			1					295
RG6 COMBINED ERROR L			1							5-1/8		295

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - ORDER	Q DPAW RV RG Y	X Z	REMARKS	18-Aug-77	15131 NC LENGTH FLAG	PAGE 34 EXCEPTIONS	RUN NUMBER
RG7 RD HDR L	A07T2		1-01 *					1-5/8		296
RG7 RD HDR L	A05S2		1-02 *					5-1/8		296
RG7 RD HDR L	C04F1		1-03 *					9-5/8		296
RG7 RD HDR L	F06F2		1-04 *							296
RG7 RD HDR L			1					16-3/8		296
RG7 READ L	A07P1		1-01 *					2-7/8		297
RG7 READ L	B05E2		1-02 *					11-7/8		297
RG7 READ L	F04L2		1-03 *					2-4/8		297
RG7 READ L	F08L2		1-04 *							297
RG7 READ L			1					17-2/8		297
RG7 SELECT CMND L	A05L1		1-01 *					2-1/8		298
RG7 SELECT CMND L	A07F2		1-02 *							298
RG7 SELECT CMND L			1					2-1/8		298
RG7 WRT CHK L	A07P2		1-01 *					3-1/8		299
RG7 WRT CHK L	B05F2		1-02 *					11-7/8		299
RG7 WRT CHK L	F04J1		1-03 *							299
RG7 WRT CHK L			1					15-0/8		299
RG7 WRT HDR L	A07S2		1-01 *					13-1/8		300
RG7 WRT HDR L	F06J2		1-02 *							300
RG7 WRT HDR L			1					13-1/8		300
RG7 WRT L	A07S1		1-01 *					9-3/8		301
RG7 WRT L	D05S1		1-02 *					2-7/8		301
RG7 WRT L	E04R2		1-03 *							301
RG7 WRT L			1					12-2/8		301
TS REG BUS 04 H	A06A1		1-01 *					4-3/8		302
TS REG BUS 04 H	B05H1		1-02 *					5-5/8		302
TS REG BUS 04 H	D04D1		1-03 *					3-5/8		302
TS REG BUS 04 H	C03V2		1-04 *					7-7/8		302
TS REG BUS 04 H	F07J1		1-05 *							302
TS REG BUS 04 H			1					21-4/8		302
TSREG BUS 00 H	A06K2		1-01 *					7-3/8		303
TSREG BUS 00 H	C04T2		1-02 *					2-5/8		303
TSREG BUS 00 H	D08E1		1-03 *					1-7/8		303
TSREG BUS 00 H	E07P1		1-04 *					6-1/8		303
TSREG BUS 00 H	F05V2		1-05 *							303
TSREG BUS 00 H			1					18-0/8		303
TSREG BUS 01 H	A06N2		1-01 *					6-3/8		304
TSREG BUS 01 H	C08L2		1-02 *					3-3/8		304
TSREG BUS 01 H	C04S1		1-03 *					3-1/8		304
TSREG BUS 01 H	D07K2		1-04 *					6-5/8		304
TSREG BUS 01 H	F05K2		1-05 *							304
TSREG BUS 01 H			1					19-4/8		304

WK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	ORDER PIN	03-JUN-77 BAY - ORDER	Q DRAW RV RG Y	X Z	REMARKS	18-Aug-77	15131 NC LENGTH FLAG	PAGE 35 EXCEPTIONS	RUN NUMBER
TSRFG BUS 02 H	A06R2		1-01 *					8-3/8		305
TSRFG BUS 02 H	D08J1		1-02 *					1		305
TSRFG BUS 02 H	D07N2		1-03 *					6-1/8		305
TSRFG BUS 02 H	F05J2		1-04 *					8-5/8		305
TSRFG BUS 02 H	C04N1		1-05 *							305
TSRFG BUS 02 H			1					24-1/8		305
TSREG BUS 03 H	A06N1		1-01 *					6-5/8		306
TSREG BUS 03 H	C04P2		1-02 *					3-4/8		306
TSREG BUS 03 H	D08K2		1-03 *					1-1/8		306
TSREG BUS 03 H	D07L1		1-04 *					6-1/8		306
TSREG BUS 03 H	F05P1		1-05 *							306
TSREG BUS 03 H			1					17-3/8		306
TSREG BUS 05 H	A06D1		1-01 *					3-7/8		307
TSREG BUS 05 H	F05F1		1-02 *					5-7/8		307
TSREG BUS 05 H	C08T2		1-03 *					3-6/8		307
TSREG BUS 05 H	D04E2		1-04 *					6-5/8		307
TSREG BUS 05 H	F07C1		1-05 *							307
TSREG BUS 05 H			1					20-1/8		307
TSREG BUS 06 H	A06D2		1-01 *					2		308
TSREG BUS 06 H	A08P1		1-02 *					2		308
TSREG BUS 06 H	A05V2		1-03 *					6-3/8		308
TSREG BUS 06 H	C04V1		1-04 *					8-3/8		308
TSREG BUS 06 H	F07E2		1-05 *							308
TSREG BUS 06 H			1					18-6/8		308
TSREG BUS 07 H	A08N1		1-01 *					1-6/8		309
TSREG BUS 07 H	A06F1		1-02 *					1-5/8		309
TSREG BUS 07 H	A05P1		1-03 *					7-7/8		309
TSREG BUS 07 H	D04F1		1-04 *					8-5/8		309
TSREG BUS 07 H	F07V1		1-05 *							309
TSREG BUS 07 H			1					19-7/8		309
TSRFG BUS 08 H	A06H2		1-01 *					5-1/8		310
TSRFG BUS 08 H	B05U1		1-02 *					2-3/8		310
TSRFG BUS 08 H	C04M2		1-03 *					2-4/8		310
TSRFG BUS 08 H	C08M2		1-04 *					8-5/8		310
TSRFG BUS 08 H	F07K2		1-05 *							310
TSRFG BUS 08 H			1					18-5/8		310
TSRFG BUS 09 H	A06J2		1-01 *					4-5/8		311
TSRFG BUS 09 H	B05R1		1-02 *					2-5/8		311
TSRFG BUS 09 H	C08K2		1-03 *					3-1/8		311
TSRFG BUS 09 H	C08U1		1-04 *					7-7/8		311
TSRFG BUS 09 H	F07L1		1-05 *							311
TSRFG BUS 09 H			1					18-2/8		311
TSREG BUS 10 H	B06S2		1-01 *					1-3/8		312
TSREG BUS 10 H	E05P1		1-02 *					2-1/8		312
TSREG BUS 10 H	C04F2		1-03 *					2-5/8		312
TSREG BUS 10 H	C08K2		1-04 *					9-3/8		312
TSREG BUS 10 H	F07M1		1-05 *							312
TSREG BUS 10 H			1					15-4/8		312

WRAPD .V35(102)-1	03-JUN-77	18-AUG-77	15:31	PAGE 36	
NR611.F	WRAPD .V35(102)-1	03-JUN-77	18-AUG-77	15:31	PAGE 36
RUN NAME	A/P PIN ORDER BAY - O DRAW PV RG Y X Z	REMARKS	NC LENGTH EXCEPTIONS	RUN NUMBER	
	NAME PIN ORDER		FLAG		
TSREG BUS 11 H	A06C1	1-01 *		4-5/8	313
TSREG BUS 11 H	B05M1	1-02 *		2-7/8	313
TSREG BUS 11 H	C04R1	1-03 *		3-3/8	313
TSREG BUS 11 H	C05S1	1-04 *		7-7/8	313
TSREG BUS 11 H	E07L2	1-05 *			313
TSREG BUS 11 H		1		10-6/8	313
TSREG BUS 12 H	A06B1	1-01 *		6-3/8	314
TSREG BUS 12 H	C08A1	1-02 *		5-7/8	314
TSREG BUS 12 H	D04K2	1-03 *		2-5/8	314
TSREG BUS 12 H	E05D1	1-04 *		1-4/8	314
TSREG BUS 12 H	E07D1	1-05 *			314
TSREG BUS 12 H		1		16-3/8	314
TSREG BUS 13 H	A06E1	1-01 *		6-1/8	315
TSREG BUS 13 H	B08V2	1-02 *		6-7/8	315
TSREG BUS 13 H	D04K1	1-03 *		2-6/8	315
TSREG BUS 13 H	E07C1	1-04 *		1-3/8	315
TSREG BUS 13 H	F05F2	1-05 *			315
TSREG BUS 13 H		1		17-1/8	315
TSREG BUS 14 H	A06E2	1-01 *		3-7/8	316
TSREG BUS 14 H	B08D1	1-02 *		7-7/8	316
TSREG BUS 14 H	D04H2	1-03 *		2-1/8	316
TSREG BUS 14 H	D05V1	1-04 *		2-2/8	316
TSREG BUS 14 H	E07D2	1-05 *			316
TSREG BUS 14 H		1		16-1/8	316
TSREG BUS 15 H	A06F2	1-01 *		9-7/8	317
TSREG BUS 15 H	D04H1	1-02 *		2-2/8	317
TSREG BUS 15 H	D05U2	1-03 *		1-7/8	317
TSREG BUS 15 H	E07F1	1-04 *		8-5/8	317
TSREG BUS 15 H	F08E1	1-05 *			317
TSREG BUS 15 H		1		22-5/8	317
UB1 CCLR H	A07D2	1-01 *		2-5/8	318
UB1 CCLR H	A05U1	1-02 *		10-1/8	318
UB1 CCLR H	D08T2	1-03 *			318
UB1 CCLR H		1		12-6/8	318
UB1 CCLR L	C07D1	1-01 *		3-3/8	319
UB1 CCLR L	B06D1	1-02 *		7-7/8	319
UB1 CCLR L	D08P2	1-03 *		3-5/8	319
UB1 CCLR L	E04H1	1-04 *			319
UB1 CCLR L		1		14-7/8	319
UB1 DRIVE INIT H	A04H2	1-01 *		1-3/8	320
UB1 DRIVE INIT H	A06J1	1-02 *		14-1/8	320
UB1 DRIVE INIT H	F08E1	1-03 *			320
UB1 DRIVE INIT H		1		15-4/8	320
UB1 LOAD ATN/OFST L	D07K1	1-01 *		1-3/8	321
UB1 LOAD ATN/OFST L	D08S1	1-02 *			321
UB1 LOAD ATN/OFST L		1		1-3/8	321

WRAPD .V35(102)-1	03-JUN-77	18-AUG-77	15:31	PAGE 37	
NR611.F	WRAPD .V35(102)-1	03-JUN-77	18-AUG-77	15:31	PAGE 37
RUN NAME	A/P PIN ORDER BAY - O DRAW PV RG Y X Z	REMARKS	NC LENGTH EXCEPTIONS	RUN NUMBER	
	NAME PIN ORDER		FLAG		
UB1 LOAD CS2 L	B06M1	1-01 *		4-7/8	322
UB1 LOAD CS2 L	D07A1	1-02 *		5-3/8	322
UB1 LOAD CS2 L	E08S2	1-03 *			322
UB1 LOAD CS2 L		1		10-2/8	322
UB1 LOAD DA L	E07N1	1-01 *		7-3/8	323
UB1 LOAD DA L	E08B1	1-02 *			323
UB1 LOAD DA L		1		7-3/8	323
UB1 LOAD DB L	A05S1	1-01 *		12-1/8	324
UB1 LOAD DB L	E08M2	1-02 *			324
UB1 LOAD DB L		1		12-1/8	324
UB1 LOAD DES CYL L	D06H2	1-01 *		4-3/8	325
UB1 LOAD DES CYL L	E08L2	1-02 *			325
UB1 LOAD DES CYL L		1		4-3/8	325
UB1 LOAD MR1 L	D04V1	1-01 *		3-5/8	326
UB1 LOAD MR1 L	E08N2	1-02 *		4-7/8	326
UB1 LOAD MR1 L	F05P2	1-03 *			326
UB1 LOAD MR1 L		1		8-4/8	326
UB1 LOAD WC L	D08S2	1-01 *		4-5/8	327
UB1 LOAD WC L	F07A1	1-02 *			327
UB1 LOAD WC L		1		4-5/8	327
UB1 MODULE OUT UR H	E07S2	1-01 *		0-5/8	328
UB1 MODULE OUT UR H	E08V1	1-02 *			328
UB1 MODULE OUT UR H		1		0-5/8	328
UB1 READ CS2/ST L	C07T2	1-01 *		3-1/8	329
UB1 READ CS2/ST L	D08N2	1-02 *			329
UB1 READ CS2/ST L		1		3-1/8	329
UB1 READ DB/MR1 L	C05V1	1-01 *		4-5/8	330
UB1 READ DB/MR1 L	D08U2	1-02 *			330
UB1 READ DB/MR1 L		1		4-5/8	330
UB1 READ DES CYL L	A06M1	1-01 *		10-1/8	331
UB1 READ DES CYL L	D08U1	1-02 *			331
UB1 READ DES CYL L		1		10-1/8	331
UB1 READ ECC REGS L	D04J1	1-01 *		3-4/8	332
UB1 READ ECC REGS L	D06V1	1-02 *			332
UB1 READ ECC REGS L		1		3-4/8	332
UB1 READ ERR/ATTN L	C07S1	1-01 *		3-1/8	333
UB1 READ ERR/ATTN L	D08M1	1-02 *			333
UB1 READ ERR/ATTN L		1		3-1/8	333
UB1 READ MR2/3 L	D08P2	1-01 *		2-7/8	334
UB1 READ MR2/3 L	E07H1	1-02 *			334
UB1 READ MR2/3 L		1		2-7/8	334

WK611,F RUN NAME	WPAPD ,V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	RAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 38 EXCEPTIONS	RUN NUMBER
UB1 READ WC/DA L	F08V2		1-01 *					1			5-3/8		335
UB1 READ WC/DA L	F07M2		1-02 *										335
UB1 READ WC/DA L			1								5-3/8		335
UB1 SLAVE IN L	C07H2		1-01 *					1			7-1/8		336
UB1 SLAVE IN L	E08R2		1-02 *										336
UB1 SLAVE IN L			1								7-1/8		336
UB2 CCLR OR GO CLR H	A05P2		1-01 *					2			2-2/8		337
UB2 CCLR OR GO CLR H	B07A1		1-02 *					1			13-5/8		337
UB2 CCLR OR GO CLR H	F08V1		1-03 *					2			2-7/8		337
UB2 CCLR OR GO CLR H	F04P2		1-04 *										337
UB2 CCLR OR GO CLR H			1								18-6/8		337
UB2 CNTR DR TYP(1) H	B06C1		1-01 *					1			2-3/8		338
UB2 CNTR DR TYP(1) H	A07R2		1-02 *					2			10-1/8		338
UB2 CNTR DR TYP(1) H	F08E2		1-03 *										338
UB2 CNTR DR TYP(1) H			1								12-4/8		338
UB2 CONTR READY L	P05A1		1-01 *					2			2-2/8		339
UB2 CONTR READY L	B07M2		1-02 *					1			8-7/8		339
UB2 CONTR READY L	F08J2		1-03 *					2			4-7/8		339
UB2 CONTR READY L	F06P2		1-04 *										339
UB2 CONTR READY L			1								16-0/8		339
UB2 F1(1) H	A07U2		1-01 *					1			7-3/8		340
UB2 F1(1) H	D08E2		1-02 *										340
UB2 F1(1) H			1								7-3/8		340
UB2 F2(1) H	A07V2		1-01 *					1			5-5/8		341
UB2 F2(1) H	C08S2		1-02 *										341
UB2 F2(1) H			1								5-5/8		341
UB2 F3(1) H	A07V1		1-01 *					1			6-1/8		342
UB2 F3(1) H	C08U2		1-02 *										342
UB2 F3(1) H			1								6-1/8		342
UB2 F4(1) H	A07F1		1-01 *					2			6-3/8		343
UB2 F4(1) H	C08J1		1-02 *					1			9-1/8		343
UB2 F4(1) H	F06H2		1-03 *										343
UB2 F4(1) H			1								15-4/8		343
UB2 FORMAT 20(1) H	B07U1		1-01 *					1			2-5/8		344
UB2 FORMAT 20(1) H	C04L1		1-02 *					2			5-5/8		344
UB2 FORMAT 20(1) H	E05F1		1-03 *					1			4-3/8		344
UB2 FORMAT 20(1) H	F06D1		1-04 *										344
UB2 FORMAT 20(1) H			1								12-5/8		344
UB3 NPC MASTER(1) H	A05M2		1-01 *					1			16-1/8		345
UB3 NPC MASTER(1) H	F08V2		1-02 *										345
UB3 NPC MASTER(1) H			1								16-1/8		345
UB3 SSYN IN H	A05K2		1-01 *					1			14-5/8		346
UB3 SSYN IN H	F08F1		1-02 *										346
UB3 SSYN IN H			1								14-5/8		346

WK611,F RUN NAME	WRAPD ,V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	RAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 39 EXCEPTIONS	RUN NUMBER
UB5 CONTR ERROR H	B05B1		1-01 *					1			1-6/8		347
UB5 CONTR ERROR H	B06L2		1-02 *					2			10-1/8		347
UB5 CONTR ERROR H	E08V2		1-03 *										347
UB5 CONTR ERROR H			1								11-7/8		347
UB6 A01 IN L	E06K2		1-01 *					1			3-5/8		348
UB6 A01 IN L	C05M2		1-02 *					2			1-7/8		348
UB6 A01 IN L	C07S2		1-03 *					1			3-6/8		348
UB6 A01 IN L	D04L2		1-04 *					2			3-3/8		348
UB6 A01 IN L	E08H2		1-05 *										348
UB6 A01 IN L			1								12-5/8		348
UB6 A02 IN H	E08P2		1-01 *					1			3-3/8		349
UB6 A02 IN H	F07N2		1-02 *										349
UB6 A02 IN H			1								3-3/8		349
UB6 AC LOW IN H	C04D1		1-01 *					1			3-3/8		350
UB6 AC LOW IN H	C08N1		1-02 *										350
UB6 AC LOW IN H			1								3-3/8		350
UB6 C0 IN H	C05S1		1-01 *					1			2-3/8		351
UB6 C0 IN H	C08R2		1-02 *										351
UB6 C0 IN H			1								2-3/8		351
UB7 D00 IN H	D08L2		1-01 *					2			1-3/8		352
UB7 D00 IN H	D07F1		1-02 *					1			1		352
UB7 D00 IN H	D06J1		1-03 *					2			3-3/8		352
UB7 D00 IN H	F05K2		1-04 *										352
UB7 D00 IN H			1								5-6/8		352
UB7 D01 IN H	A08S1		1-01 *					1			7-3/8		353
UB7 D01 IN H	D07F2		1-02 *					2			2-1/8		353
UB7 D01 IN H	D06T2		1-03 *					1			5-7/8		353
UB7 D01 IN H	F05N1		1-04 *										353
UB7 D01 IN H			1								15-3/8		353
UB7 D02 IN H	D08A1		1-01 *					1			0-5/8		354
UB7 D02 IN H	D07D2		1-02 *					2			2-2/8		354
UB7 D02 IN H	D06R1		1-03 *					1			5-5/8		354
UB7 D02 IN H	F05K1		1-04 *										354
UB7 D02 IN H			1								8-4/8		354
UB7 D03 IN H	D08D1		1-01 *					2			1-5/8		355
UB7 D03 IN H	D07M1		1-02 *					1			1		355
UB7 D03 IN H	D06K1		1-03 *					2			5-7/8		355
UB7 D03 IN H	F05J1		1-04 *										355
UB7 D03 IN H			1								8-4/8		355
UB7 D04 IN H	A08P1		1-01 *					2			3-7/8		356
UB7 D04 IN H	B07S1		1-02 *					1			0-5/8		356
UB7 D04 IN H	B06N1		1-03 *					2			8-1/8		356
UB7 D04 IN H	F04F2		1-04 *					1			3-1/8		356
UB7 D04 IN H	F05D1		1-05 *										356
UB7 D04 IN H			1								15-6/8		356

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DRAWING NUMBER	INIT REL	AUTOMATIC WIRE TESTER (AWT) REVISION STATUS																REV. F	
	TI	*	A	B	C	D	E	F											
C-IA-7012413-0-0	-	-	-	-	-	A	B	B											
K-WL-RK611-0-1		-	A	B	C	D	E	F											
D-CS-5411920-0-1	B	B	B	B	B	C	C	C											

REV. F
NUMBER 7012413-0
SIZE CODE AWT

REVISIONS		REV.
CHK	CHANGE NO.	
G.M.	RK611-00002	A
TFF	RK611-00003	B
TFF	RK611-00004	C
TFF	RK611-00007	D
G.O.	RK611-00008	E
M.R.	RK611-00009	F

DRN W. J. Greene	DATE 31 MAR 76	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D J. Barty	DATE 20 APR 76	
ENG. T. F. FAVA	DATE 30 APR 76	TITLE RK611
PROJ. ENG. D. Ellis	DATE 30 APR 76	AWT REVISION STATUS
PROD. R. Howell	DATE 30 APR 76	SIZE CODE NUMBER REV. A WT 7012413-0 F
FIRST USED ON RK611		
SCALE		
SHEET	OF	DIST.

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REV. 2 D MURK611-0-3

- NOTES:
- VIEW OF LOGIC PANEL IS FROM WIRING SIDE.
 - THE SMALL PERIPHERAL CONTROLLER SLOTS MAY CONTAIN A VARIETY OF PDP-11 OPTIONS. THE OPTION MAY CONSIST OF A SINGLE QUAD MODULE (SLOTS C, D, E & F) OR A DOUBLE HEIGHT CONTROLLER BOARD (SLOTS C & D) WITH AN M105 ADDRESS SELECTOR MODULE (SLOT E) AND AN M7821 INTERRUPT CONTROL MODULE (SLOT F).
 - THE MODIFIED UNIBUS DEVICE SLOTS MAY CONTAIN PDP-11 OPTIONS CONSISTING OF QUAD (SLOTS A, B, C & D) OR HEX MODULES. ANY SLOT MAY NOT CONTAIN BOTH A MODIFIED UNIBUS DEVICE AND AN SPC OPTION.
 - IF NO OPTION IS PRESENT IN THE SMALL PERIPHERAL CONTROLLER/MODIFIED UNIBUS SLOTS, G727 GRANT CONTINUITY MODULES MUST BE INSERTED IN SLOTS D.
 - IF AN NPR OPTION IS TO BE INSTALLED IN AN SPC/MOD UNIBUS SLOT, REMOVE CA1 TO CB1 WIRE WRAP JUMPER. IF THE NPR OPTION IS REMOVED, THIS JUMPER MUST BE REPLACED TO MAINTAIN MPG CONTINUITY.
 - MAY BE EITHER M9202 UNIBUS JUMPER (CONNECTION FROM ADJACENT DEVICE) OR BC11A CABLE (CONNECTION FROM ANOTHER BOX OR NON-ADJACENT DEVICE).
 - MAY BE M920 OR M9202 (CONNECTION TO ADJACENT DEVICE), M930 (UNIBUS TERMINATOR), OR BC11A CABLE (CONNECTION TO NEXT BOX OR NON-ADJACENT DEVICE).
 - UNDER NO CIRCUMSTANCES MAY A STANDARD UNIBUS CABLE BE PLUGGED INTO THE MODIFIED UNIBUS SLOTS. DOING SO MAY DAMAGE OTHER SYSTEM COMPONENTS.

9	CABLE		UNIBUS OUT SEE NOTE 7
8	M7900	RK611 UNIBUS INTER-FACE MODULE	
7	M7901	RK611 REGISTER BOARD	
6	M7902	RK611 CONTROL BOARD	
5	M7903	RK611 DATA MODULE	
4	M7904	RK611 DRIVE INTER-FACE MODULE	
3		MODIFIED UNIBUS DEVICE (OPTIONAL)	SEE NOTES 3, 5, 8
2		SMALL PERIPHERAL CONTROL (DEV 1) (DEV 2) (DEV 3)	SEE NOTES 2, 5 (OPTIONAL)
1	M9202	CABLE	UNIBUS IN SEE NOTE 6

A

USAGE

B

USAGE

C

USAGE

D

USAGE

E

USAGE

F

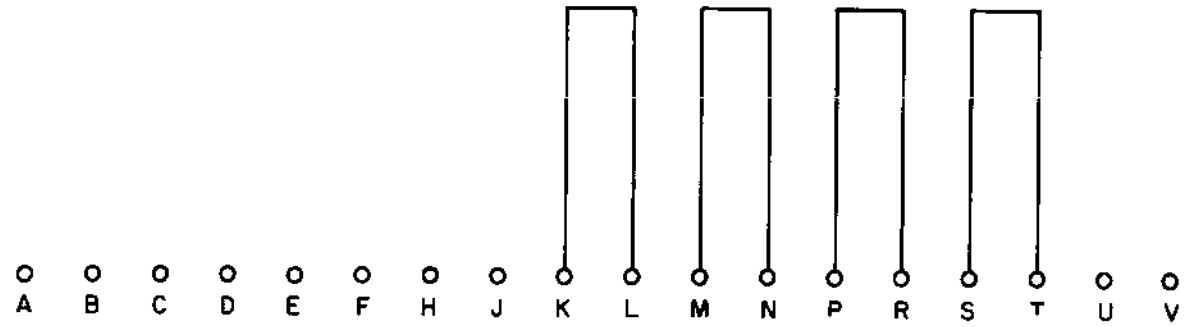
VIEW FROM WIRING SIDE

REV.	CHG.	CHANGE NO.	DATE

THIRD ANGLE PROJECTION	DRN. N. J. [Signature]	6 FEB 76	FIRST USED ON	RK611	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D [Signature]	5 APR 76	TITLE	MODULE UTILIZATION	
DO NOT SCALE DWG	PROJ. ENG. [Signature]	24 FEB 76	MATERIAL	D-0A-RK611-0-0	SIZE CODE NUMBER
	PROD. [Signature]	24 FEB 76	SCALE	NONE	D MURK611-0-3
			FINISH		SHEET OF DIST.

SEC FORM NO. 100-1000

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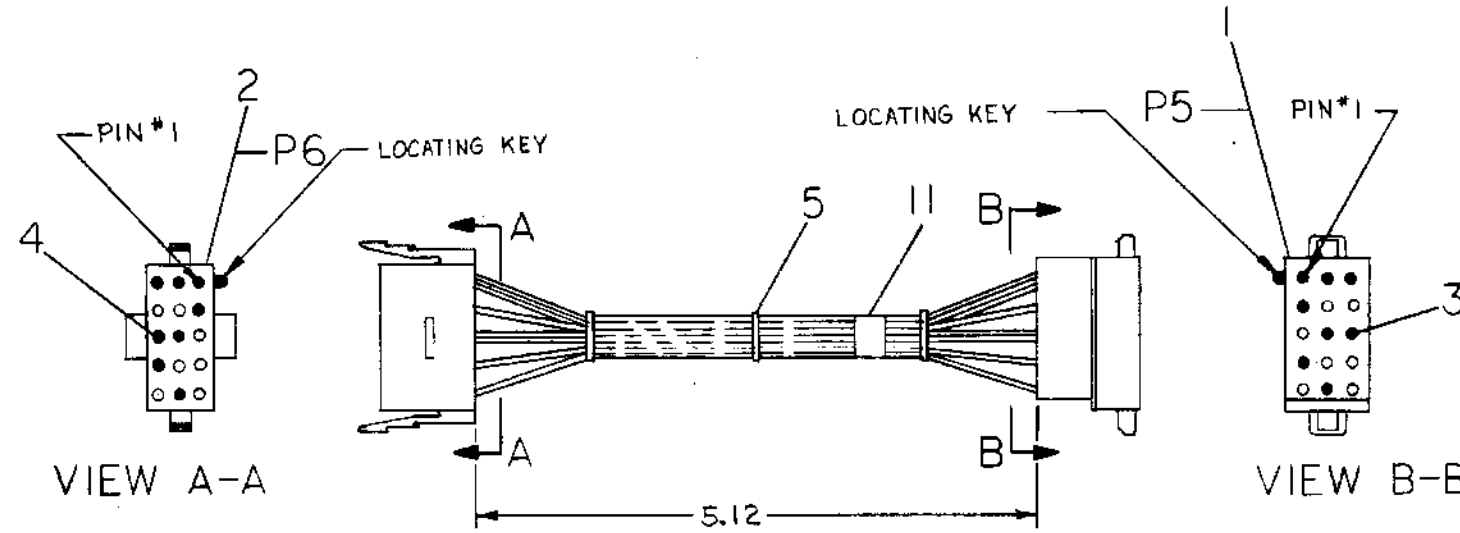
REVISIONS CHK CHG NO. REV.	DRN. <i>BUTLER</i>	DATE <i>11-19-69</i>	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE GRANT CONTINUITY G727			
	CHK'D <i>P. J. Staud</i>	DATE <i>6-12-70</i>	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G727-0-1	REV.
	ENG. <i>P. E. Jensen</i>	DATE <i>1/28/70</i>						PRINTED CIRCUIT REV. <i>A</i>			
	PROD.	DATE									

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NOTES:
1. WIRE LENGTH TOLERANCE TO BE $\pm .12$, UNLESS OTHERWISE SPECIFIED.

WIRING TABLE

ITEM NO	DESCRIPTION		FROM		TO		WIRE LENGTH	STRIP BACK
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH		
9	14	RED	P5-1	3	P6-1	4	5.87	.156 \pm .030
6	18	GREY	P5-2	3	P6-2	4		
10	14	ORN	P5-3	3	P6-3	4		
9	14	RED	P5-4	3	P6-4	4		
7	14	BLK	P5-8	3	P6-8	4		
7	14	BLK	P5-9	3	P6-9	4		
9	14	RED	P5-10	3	P6-12	4		
8	14	BRN	P5-14	3	P6-14	4	5.87	.156 \pm .030



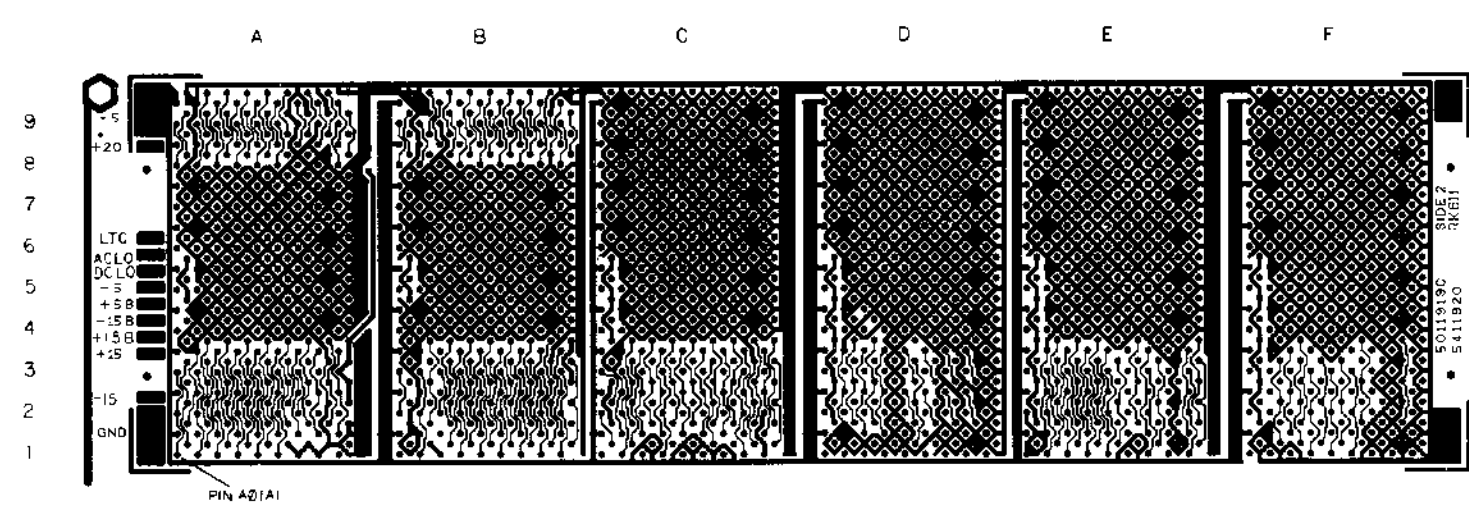
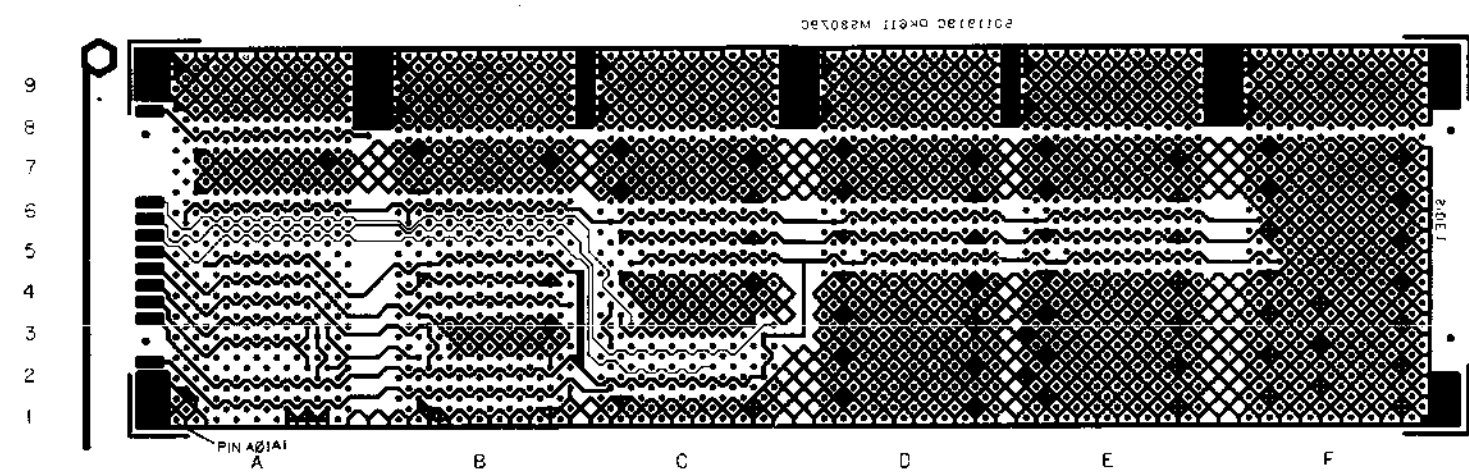
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	LABEL, IDENTIFICATION	9009532-00	11
A/R	WIRE, #14 AWG (ORN)	9107370-33	10
A/R	WIRE, #14 AWG (RED)	9107370-22	9
A/R	WIRE, #14 AWG (BRN)	9107370-11	8
A/R	WIRE, #14 AWG (BLK)	9107370-00	7
A/R	WIRE, #18 AWG (GRY)	9107360-88	6
5	TIE WRAP	9007031-00	5
8	PIN, FEMALE	1209379-00	4
8	PIN, MALE	1209378-00	3
1	CONN., 15 SOCKET	1209350-15	2
1	CONN., 15 PIN	1209351-15	1

REV.	CHANGE NO.	DATE	BY	CHK
A	0001	3 Nov 76	T.F. FAVA	
B	0002	11-5-76	T.F. FAVA	
			R. BERTHAUME	

FIRST USED ON OPTION/MODEL RK611		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>W. J. Drane</i>	DATE 4 MAR 76	
TOLERANCES	CHK'D <i>T. Fava</i>	DATE 17 MAR 76	
DECIMALS	ENG. <i>T.F. FAVA</i>	DATE 30 APR 76	
ANGLES	PROJ. ENG. <i>D. E. O'Neil</i>	DATE 30 APR 76	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y	PROB. <i>C. E. Venable</i>	DATE 30 APR 76	TITLE CABLE, POWER EXTENSION
MATERIAL SEE PARTS LIST	NEXT HIGHER ASSY.	SIZE CODE CIA	NUMBER 7012574-0-0
FINISH	SCALE 1/1	SHEET	REV. B

REV. B
NUMBER
CIA 7012574-0-0
SIZE CODE
B

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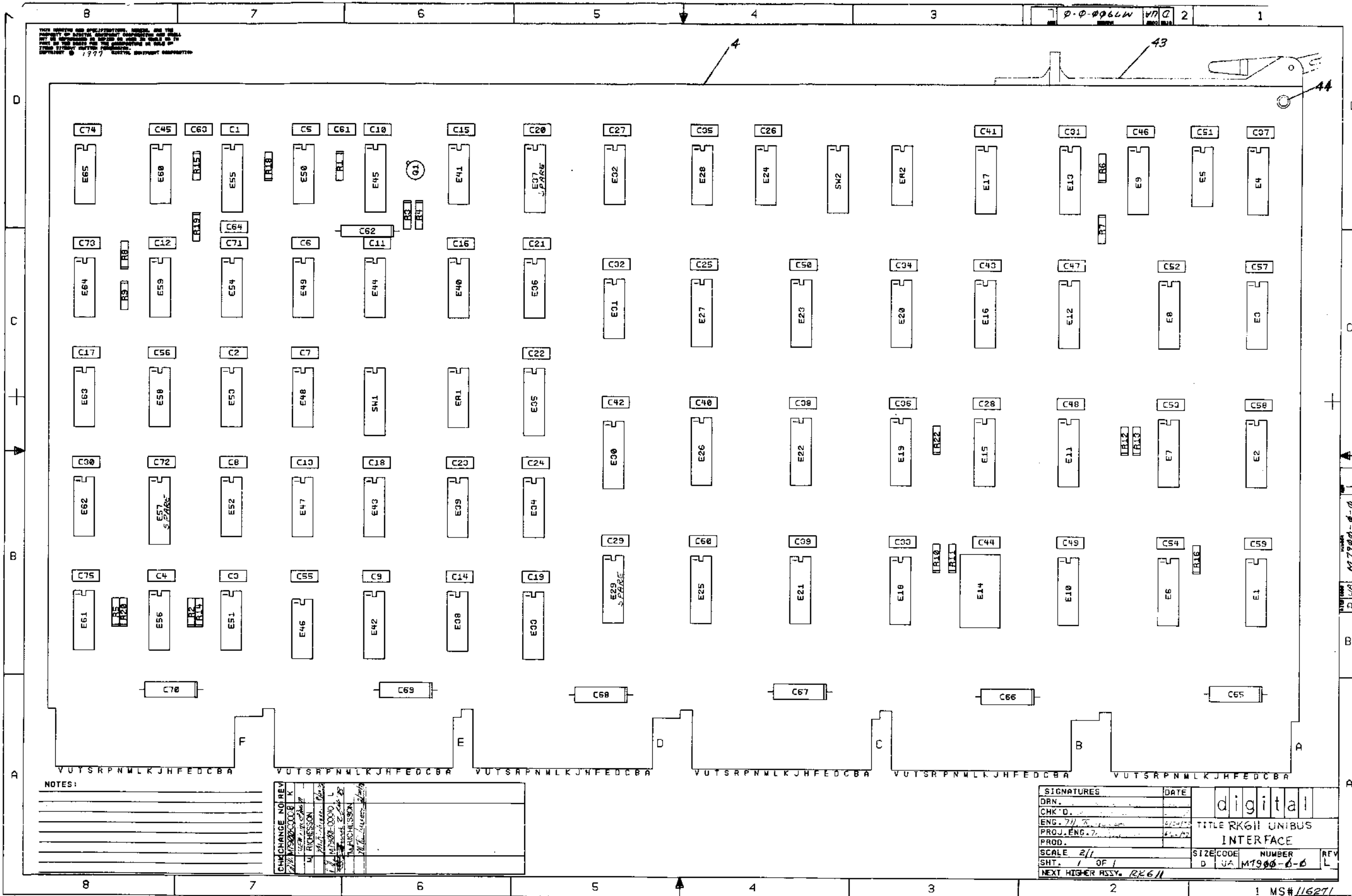


NOTES:

CHANGE NO	REV	DATE	BY
541920-0-1	C	12/2/74	T. FAVA
			T. FAVA
			5-7-74

SIGNATURES		DATE	digital
DRN. J. Freeman		12/2/74	
CHK'D. J. Freeman		12/2/74	
ENG. T. FAVA		12/2/74	TITLE
PROD. ENG. S. P. [unclear]		12/2/74	CIRCUIT SCHEMATIC
SCALE 1-1	SIZE CODE	NUMBER	REV
SHT. 1 OF 1	C CS	541920-0-1	C
EACH REV. C FIRST USED ON			

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NOTES:

CHG	NO	REV	DATE	BY	CHK'D
1	1	1			
2	1	1			
3	1	1			
4	1	1			
5	1	1			
6	1	1			
7	1	1			
8	1	1			

SIGNATURES		DATE
DRN.		
CHK'D.		
ENG. 7/1		
PROJ. ENG. 7/1		
PROD.		
SCALE 2/1		
SHT. 1 OF 1		
NEXT HIGHER ASSY. RK611		

digital
 TITLE RK611 UNIBUS
 INTERFACE
 SIZE CODE NUMBER REV
 D JA M1900-0-0 L

DRAWING NO. M1900-0-0
 D JA

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-CS-M7900-0-1	RK611 UNIBUS INTERFACE (C.S.)	REF	
2	2	D-AH-M7900-0-5	ASSY/DRILLING HOLE LAYOUT	REF	
3	3	B-MH-M7900-0-6	MODULE ECO HISTORY	REF	
4	4		M7900	1	
5	5	5011481-00	10.0 MMF 100V 5%200PPM DM15S	(10-00) 2	C63,C64
6	6	1000006-00	150.0 MMF 100V 5%200PPM DM15S	(10-00) 1	C61
7	7	1000019-00	.01 MFD 50V Z5U 309CER/8000PF MIN	(10-00) 65	C1-C60,C71-C75
8	8	1001610-00	10 MFD 20V 10% 150D S.TA	(10-00) 1	C62
9	9	1004813-00	8 MFD 25V 6% 30D AL EL	(10-12) 6	C65-C70
10	10	1012084-01	SW,DIP 1P 1A 8POS	2	SW1,SW2
11	11	1211164-04	330 1/4W 5% CC	(13-00) 2	R6,R8
12	12	1300295-00	R NETWORK 13-1K RESISTORS 5% DIP	(13-00) 2	ER1,ER2
13	13	1300005-01	5.6 K 1/4W 5% CC	(13-00) 2	R1,R2
14	14	1301874-00	5.11 K 1/4W 1% RN55D-F 100PPM	(13-00) 2	R15,R19
15	15	1304854-00	1 K 1/4W 5% CC	(13-00) 4	R2,R5,R14,R18
16	16	1300365-00	750 1/4W 5% CC	(13-00) 2	R7,R9
17	17	1301401-00	47 K 1/4W 5% CC	(13-00) 1	R4
18	18	1302177-00	470 K 1/4W 5% CC	(13-00) 1	R3
19	19	1302398-00	SE 4020 NPN 200MW SI 60120 M	1	R1
20	20	1509587-00	7400 NAND GATE-QUAD 2IN	4	E24,E44,E52,E61
21	21	1905575-00	DEC 7402 NOR GATE-QUAD 2IN	2	E48,E50
22	22	1909004-00	7404 INVERTER GATE-HEX 1IN	2	E40,E56
23	23	1909686-00	DEC 7408 AND GATE,POS.QUAD 2IN	14 4	E39,E54,E58,E63
24	24	1910155-00	7410 NAND GATE-TRIPLE 3IN	2	E31,E60
25	25	1905576-00	7420 NAND GATE-DUAL 4INPUT	1	E5
26	26	1905577-00	7427 NOR GATE-TRIPLE 3IN	1	E47
27	27	1910878-00	DEC 7437 NAND GATE-QUAD 2IN,BUFFER	14 1	E36
28	28	1910091-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ	6	E28,E32,E41,E46,E49,E65
29	29	1905547-00	74574 FF-D DUAL,EDGE TRIGGER	3	E59,E62,E64
30	30	1910544-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	2	E45,E55
		1910436-00			

REVISION HISTORY			VARIATIONS FOR THIS ASSY.			DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHK	ECO NO	REV	FIRST USED ON:			TITLE			
P.G	00010	L				PARTS LIST			
			MADE BY: D.BENNETT			DATE: 02-FEB-78			
			CHECKED: H.DARNHJIN			DATE: 02-FEB-78			
			DSN.ENG.: M.RICHESSON			DATE: 02-FEB-78			
			PROD.: F.CORTEZZE			DATE: 02-FEB-78			
			RESP.ENG.: M.RICHESSON			DATE: 02-FEB-78			
						SIZE	CODE	DOCUMENT NUMBER	REV
						K	PL	M7900-0-0	L
						ASSY.NO.: D-UA-M7900-0-0			EDIT#
									5

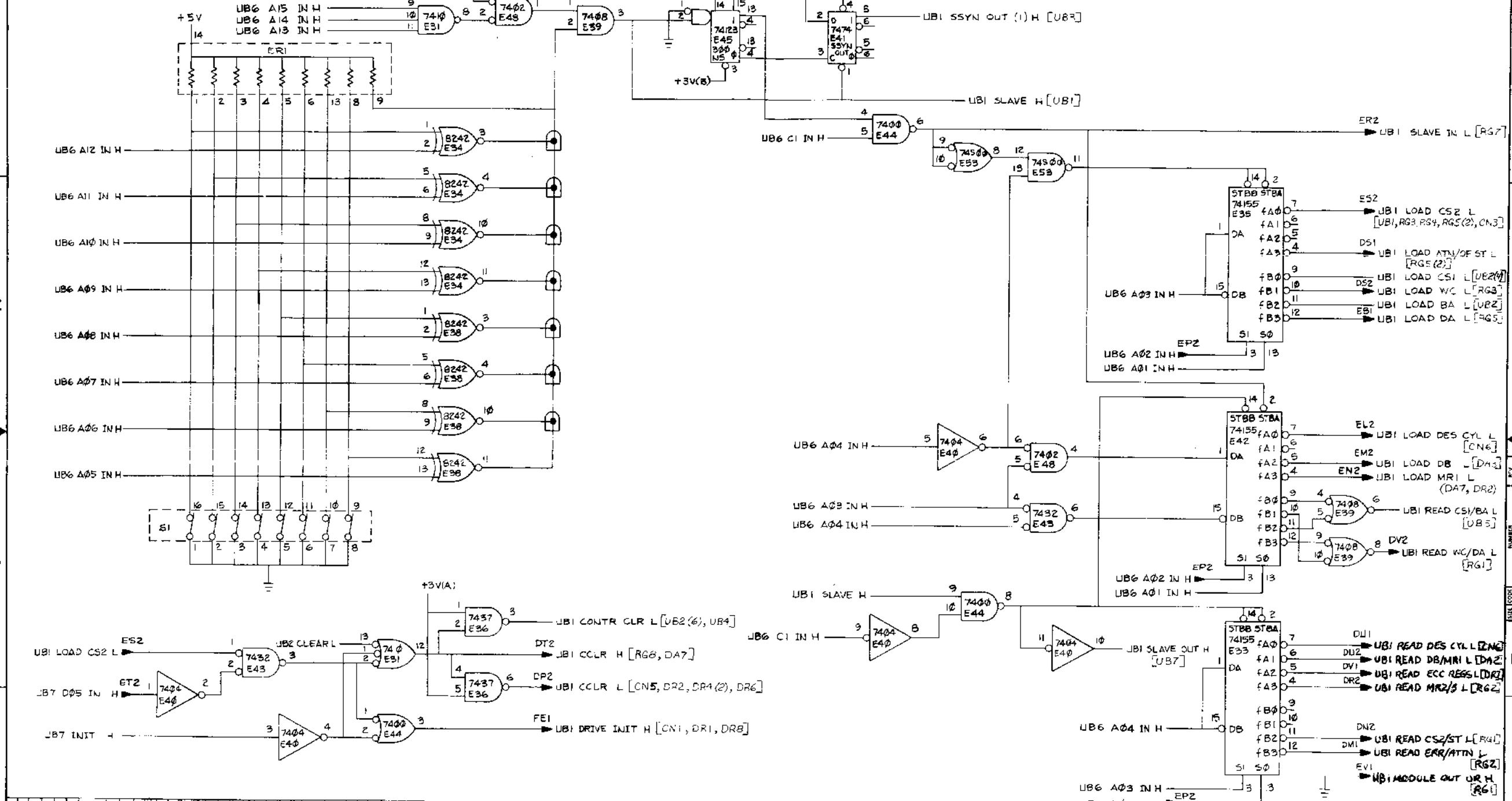
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LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
31	31	1910656-00	74155 DECODER-2 OF 4(DUAL)&DEMUX	3	E33,E35,E42
32	32	1910650-00	74161 COUNTER,SYNCHR. UP	5	E9,E13,E26,E27,E30
33	33	1911521-00	7432 OR GATE-QUAD 2IN, POSITIVE	1	E43
34	34	1910652-00	74174 FF-D HEX	1	E17
35	35	1912647-00	LS257 MUX 1 OF 2 (QUAD) TRI-STA	4	E4,E12,E16,E20
36	36	1911527-00	8097 BUFFER GATE-HEX 2INPUT TRI-STA	3	E7,E8,E23
37	37	1909712-00	DEC 8242 COMPARATOR-4BIT N,OPN COLL.	2	E34,E38
38	38	1911579-00	8641 TRANSCEIVER, UNIBUS	12	E1,E2,E3,E6,E10,E11,E15,E18, CONT E19,E21,E22,E25
39	39	1909705-00	DEC 8881-INAND GATE-QUAD 2IN,OPN COLL.	1	E51
40	40	1209838-00	SOCKET 16PIN	1	
41	41	1210711-02	HANDLE ASSY,MOD DOEHLER-JARVIS	1	
42	42	9000024-01	EYELET, ROLLED FLANGE, .121 OD X .196 LG	12	
43	43	1910532-00	74500 NAND GATE-QUAD 2IN	1	E53
44	44	1311422-00	178 1/4W 1% RN55D-F 100PPM (13-00	4	R10,R12,R16,R20
45	45	1305125-00	383 1/4W 1% RN55D-F 100PPM (13-00	2	R11,R13
46	46	9105740-55	WIRE(WRAP)30AWG UL1423 (91-00 A/R		
47	47	5408778-00	PLUG PRIORITY	1	E14

48 NOTE: 1001610-01 MAYBE SUBSTITUTED FOR 1001610-00
 49 NOTE: 9006732-00 MAYBE SUBSTITUTED FOR 9000024-01 WHEN NECESSARY
 50 NOTE: ITEM 40 IS USED FOR E14

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE RK611 UNIBUS INTERFACE	PARTS LIST	SIZE K	CODE PL	DOCUMENT NUMBER M7900-0-0	REV L
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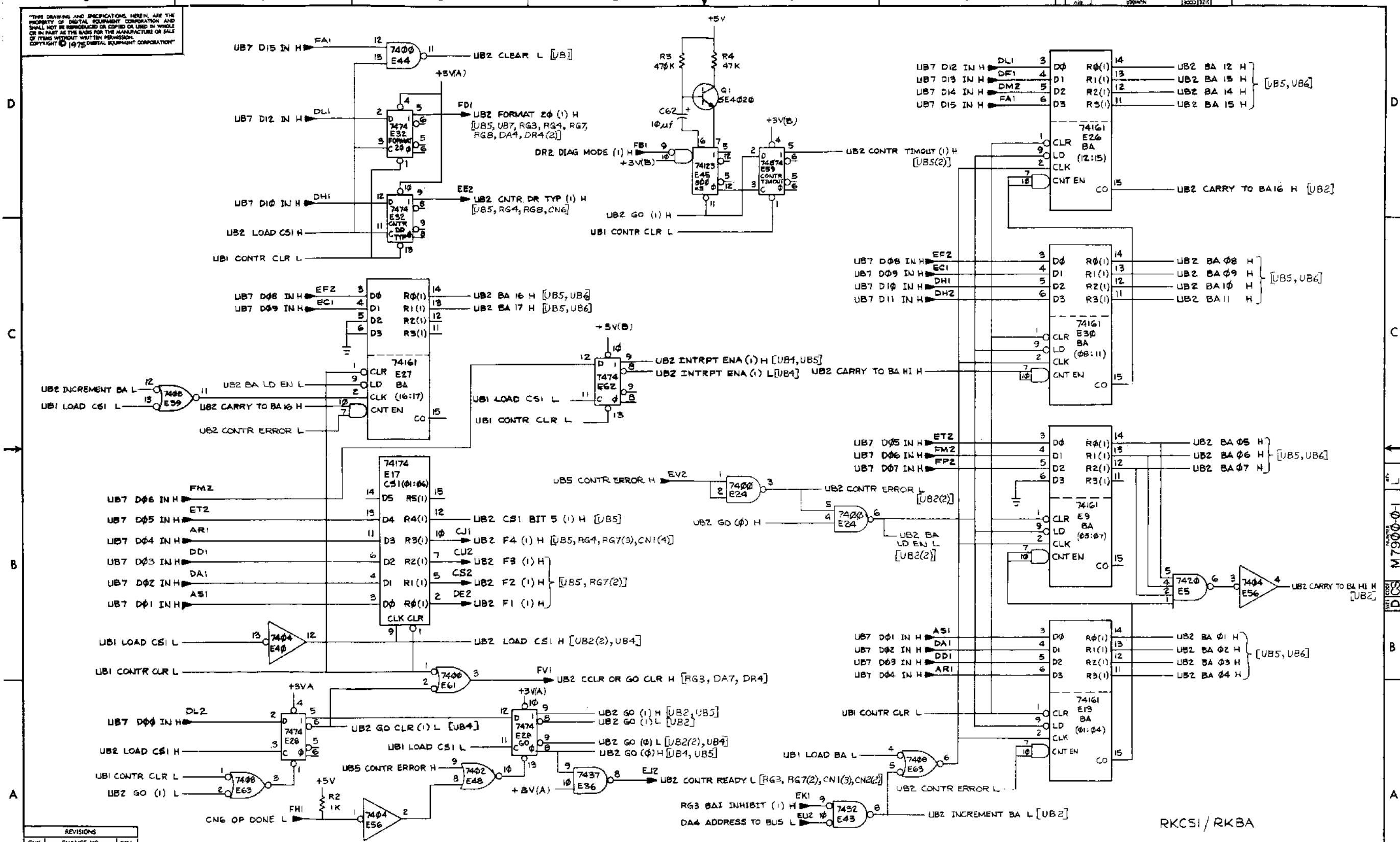
REV	CHG	NO	DATE	BY	CHKD	APP'D
1						
2						
3						
4						
5						
6						
7						
8						

DEVICE SELECTION/REGISTER DECODE

DRN	10/10/75	FIRST USED ON	Digital
CHKD	Wagon		
ENG	Wagon		
PROJ ENG	Wagon		
PROD	Wagon		
NEXT HIGHER ASSY			
SCALE	1:1	SIZE CODE	D CS
SHEET	1	OF	7
		DIST	
		NUMBER	M7900-01
		REV	L

TITLE
RK 611
UNIBUS INTERFACE
(UBI)

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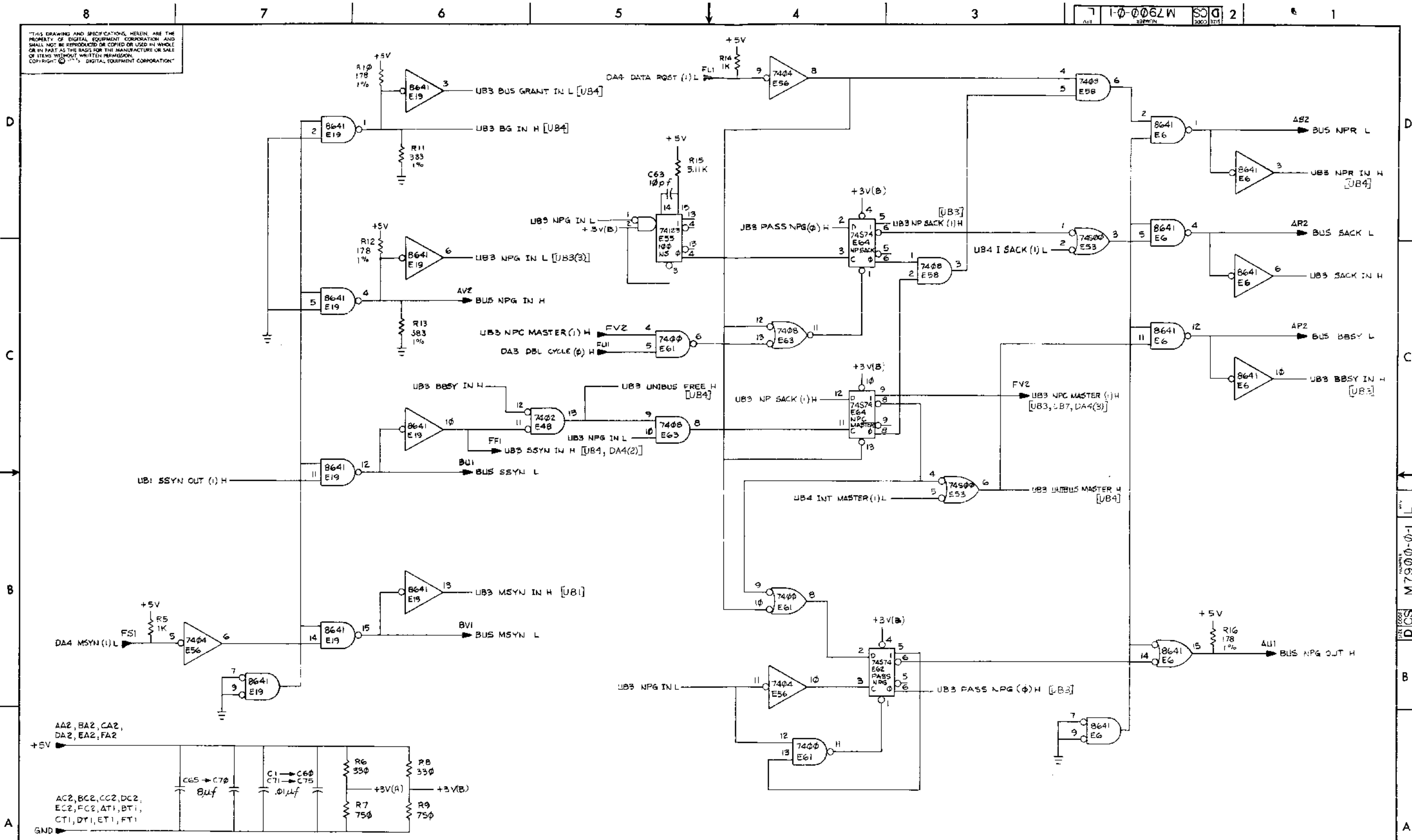


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	RK611 UNIBUS INTERFACE (UB2)	SIZE CODE	D CS	NUMBER	M7900-0-1	REV.	L
SCALE		SHEET	2	OF	7	DIST.	

M7900-0-1

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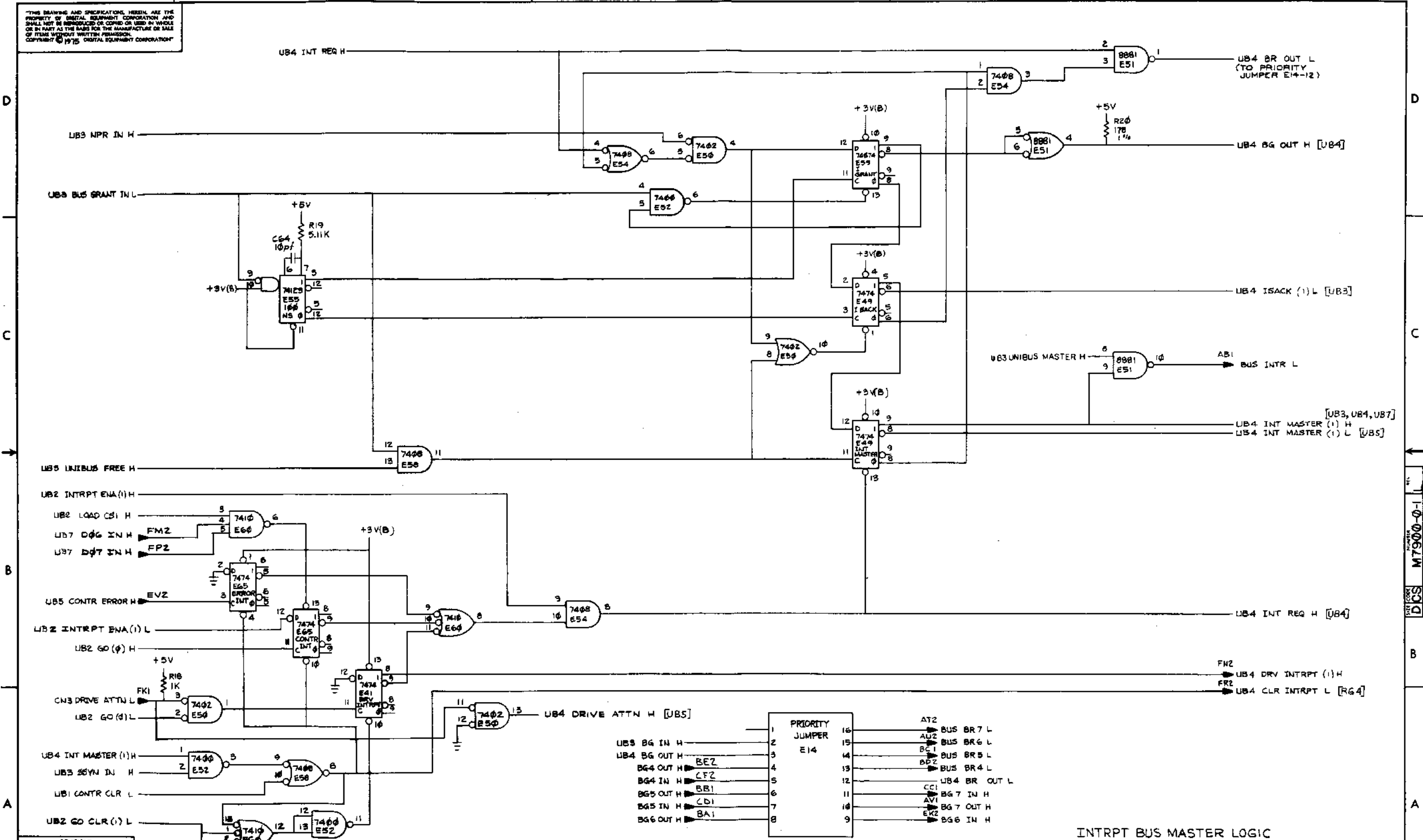


REVISIONS		
CHK	CHANGE NO.	REV

DEC FORM NO. DRD 128	8	7	6	5	4	3	2	1	REV. L
TITLE RK611 UNIBUS INTERFACE (UB3)							SIZE/CD DCS	NUMBER M7900-0-1	REV. L
SCALE 1/1							SHEET 3 OF 7	DIST.	

REV. 10/75 DCS M7900-0-1 L

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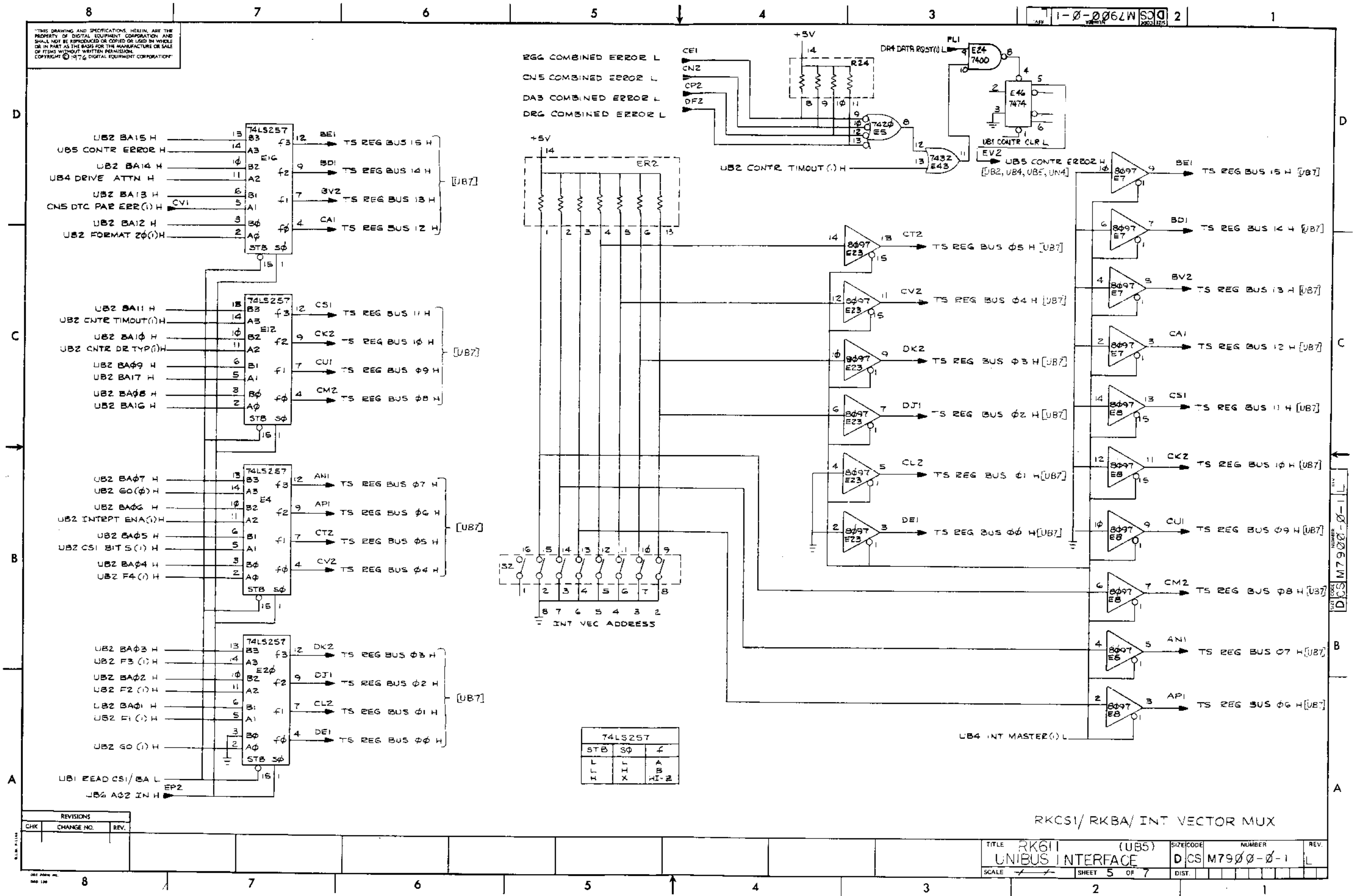
INTRPT BUS MASTER LOGIC

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	RK611 (UB4)	SIZE CODE	DCS	NUMBER	M7900-0-1	REV.	L
SCALE		SHEET	4 OF 7	DIST.			

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1-0-0062W S3 2



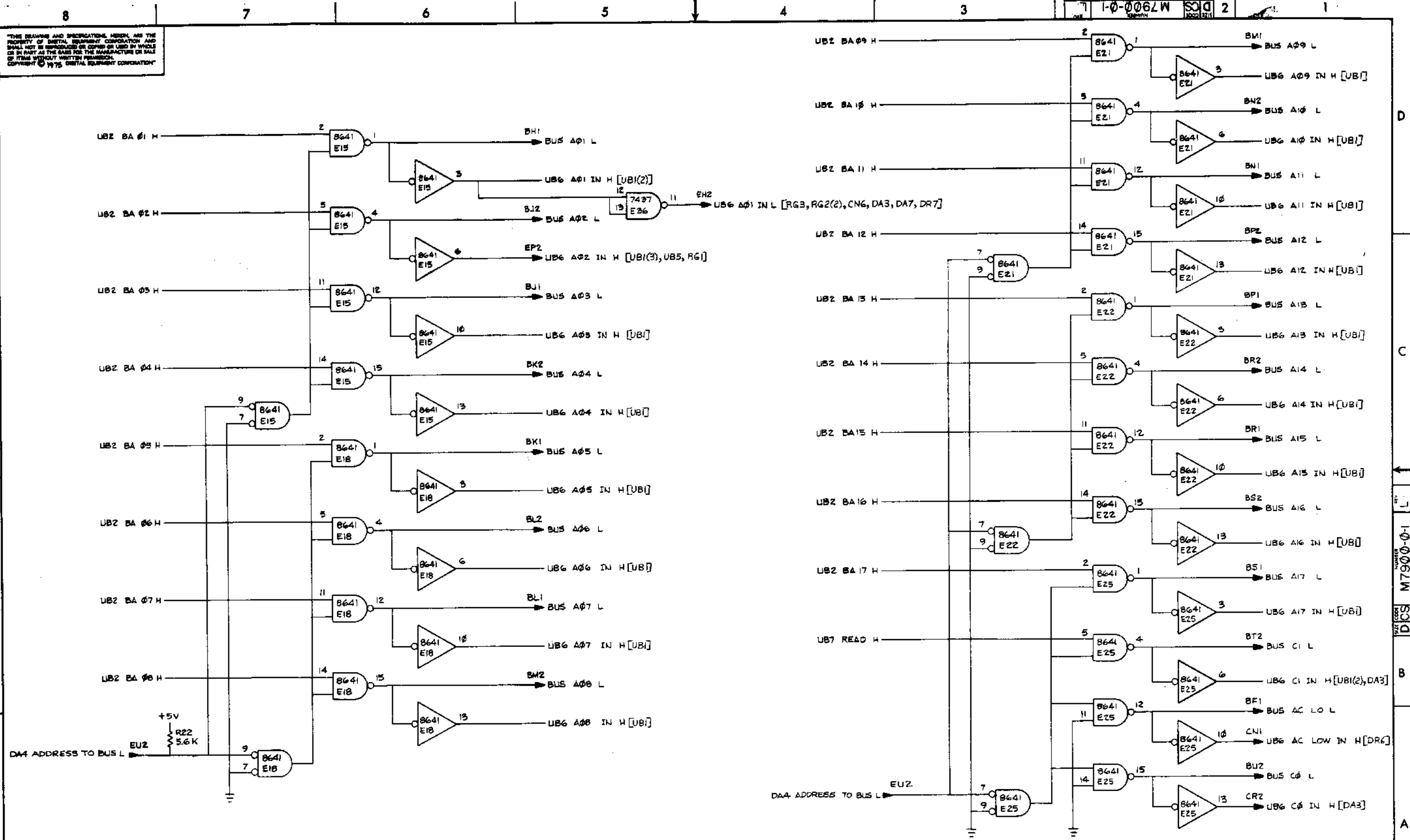
74LS257		
STB	SΦ	f
L	L	A
L	L	B
L	X	HI-Z

RKCS1/RKBA/INT VECTOR MUX

TITLE RK611 (UB5) UNIBUS INTERFACE
 SIZE CODE DCS M7900-0-1
 SHEET 5 OF 7
 REV. L

REVISIONS		
CHK	CHANGE NO.	REV.

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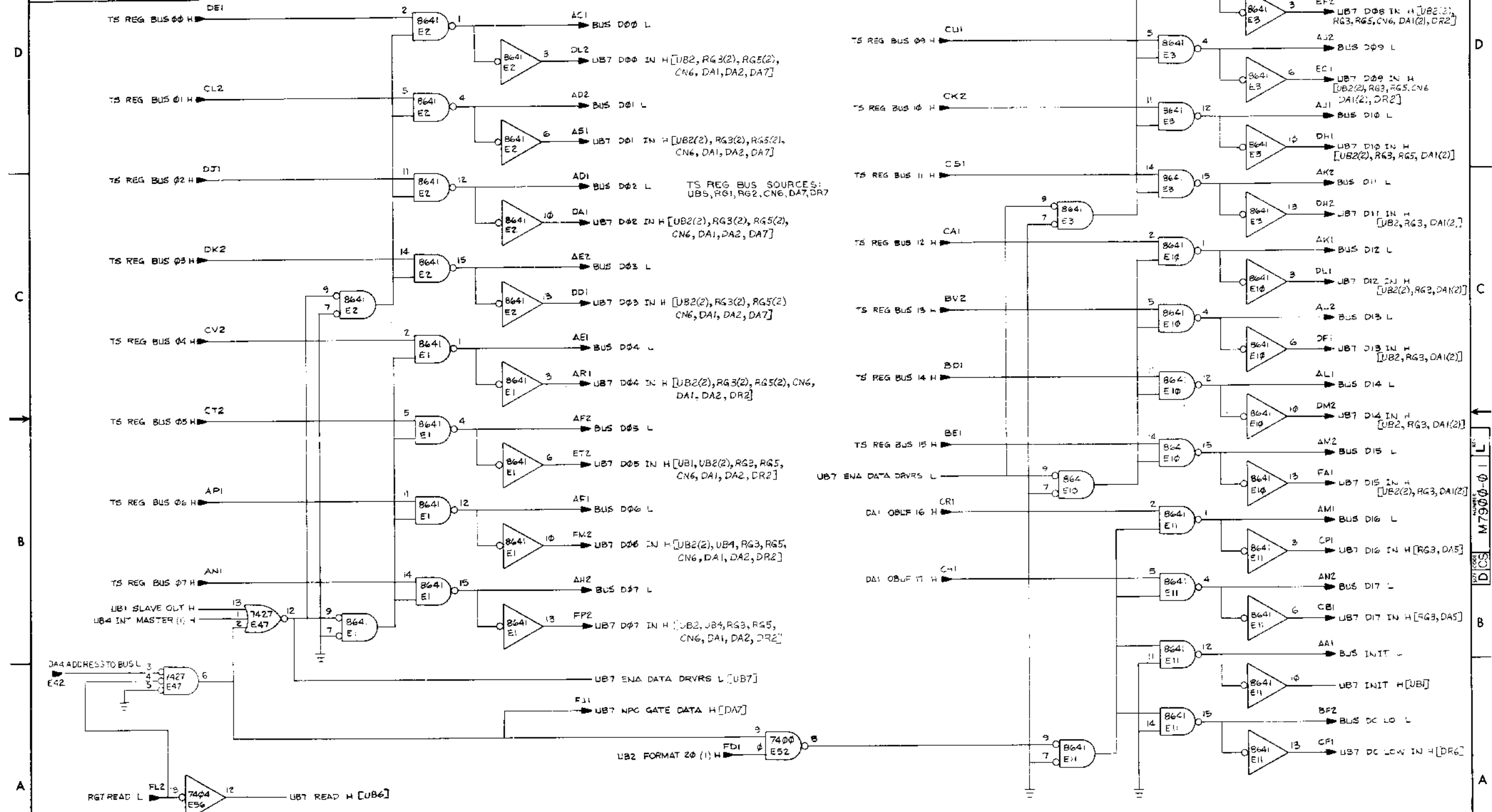


REVISIONS		
CHK	CHANGE NO.	REV.

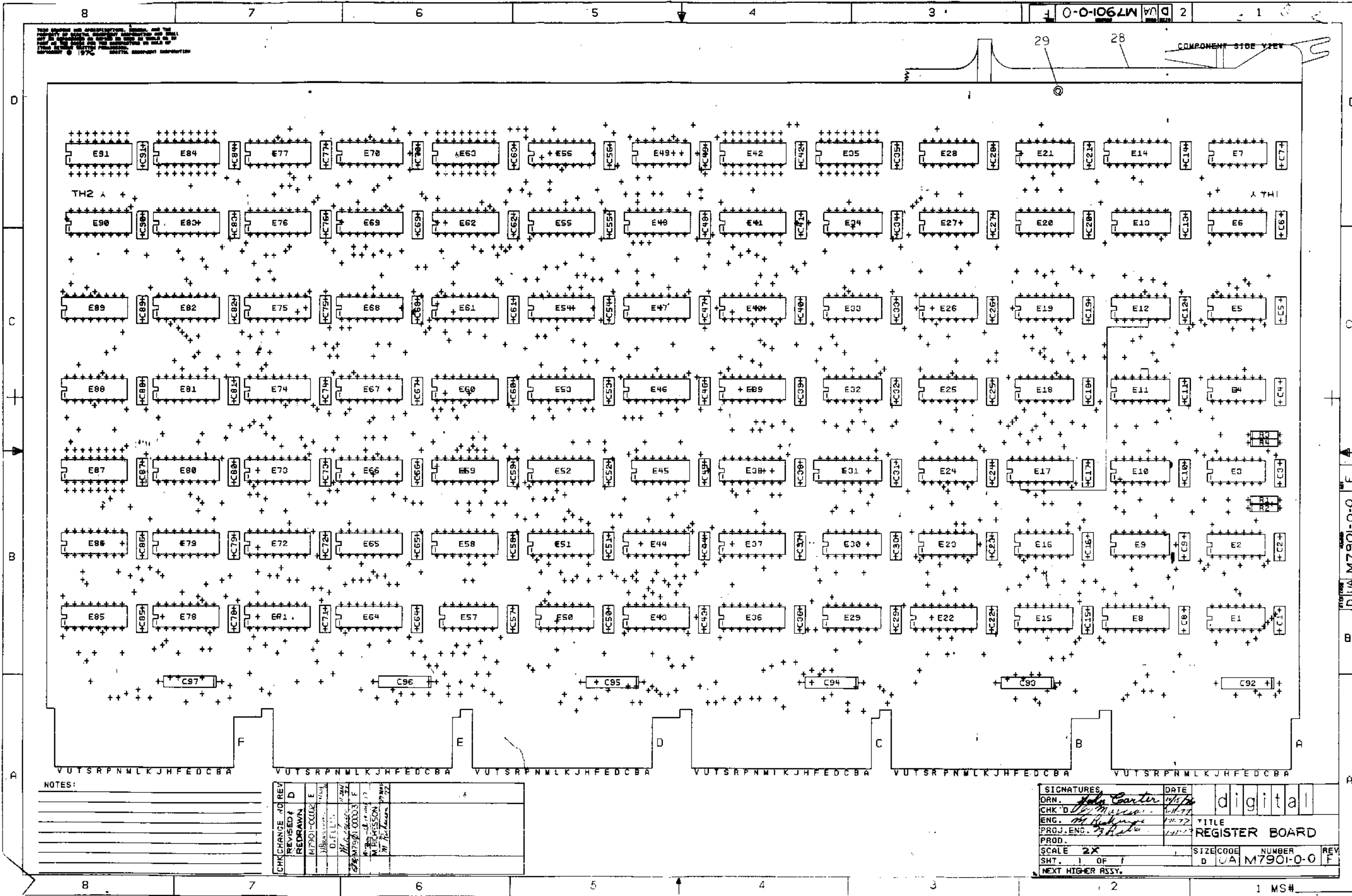
REV. CODE DCS M7900-0-1 L

UNIBUS ADDRESS TRANSCEIVERS

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REVISIONS		
CHK	CHANGE NO	REV.



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 UNLESS INDICATED OTHERWISE. DATE: 11/13/77
 BY: [Signature]

NOTES:

CHK	CHANGE	NO	REV
	REVISION	D	
	REDRAWN		

SIGNATURES	DATE	TITLE
DRN. <i>John Carter</i>	11/15/77	digital
CHK'D <i>[Signature]</i>	11/17/77	
ENG. <i>[Signature]</i>	11/17/77	
PROJ. ENG. <i>[Signature]</i>	11/17/77	
PROD.		
SCALE 2X		SIZE CODE NUMBER
SHT. 1 OF 1		DUA M7901-0-0
NEXT HIGHER ASSY.		REV F

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

ETCH REV E

MADE BY Lora Metzger
 DATE 20 NOV 75
 ENG M. Richardson
 DATE 26 MAR 76

CHECKED *H. Vardjian*
 DATE 6 JAN 76
 PROD *J.P. Cottrell*
 DATE 3/26/76

SECTION
 ISSUED SECTION

QUANTITY / VARIATION

NOTES:

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	REF	QUANTITY	VARIATION	NOTES
1	D-CS-M7901-0-1		REGISTER BOARD (C.S.)	REF			
2	D-AH-M7901-0-5		ASSY/DRILLING HOLE LAYOUT	REF			
3	B-MH-M7901-0-6		MODULE ECO HISTORY	REF			
4	5011480		ETCHED CIRCUIT BOARD		1		
5	1001610-01		CAP .01UF 100V 5% DISC		91		C1 THRU C91
6	1012084-01		CAP 8 UF		6		C92 THRU C97
7	1300295-00		RES 330 1/2W 5%		2		R1, R3
8	1301401-00		RES 750 1/2W 5%		2		R2, R4
9	1905575-00		IC 7400		4		E4, E6, E10, E18
10	1909004-00		IC 7402		5		E21, E24, E25, E28, E7
11	1909686-00		IC 7404		4		E2, E9, E15, E20
12	1910155-00		IC 7408		2		E12, E45
13	1905576-00		IC 7410		2		E11, E16
14	1911521-00		IC 7432		3		E5, E13, E26
15	1910091-00		IC 7437		1		E1
16	1905547-00		IC 7474		8		E3, E23, E29, E30, E32, E33, E34, E50
17	1905578-00		IC 7430		1		E27
18	1910878-00		IC 7427		1		E57
19	1910011-00		IC 7486		2		E19, E49

E.C.O. NO.
 00001
 00002
 00003

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TITLE
 REGISTER BOARD

ASSY NO.
 D-UA-M7901-0-0
 SHEET 1 OF 2

SIZE B
 CODE PL
 NUMBER M7901-0-0
 DIST

REV.
 F

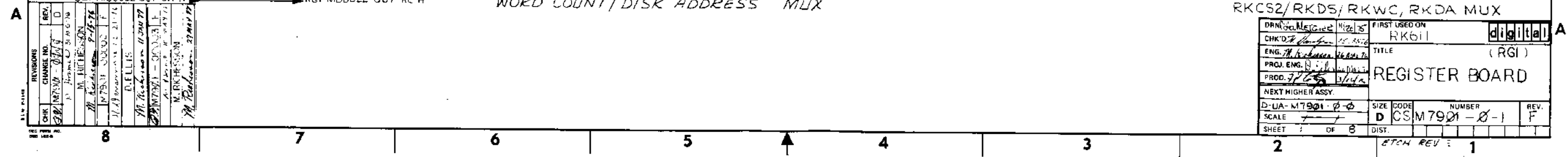
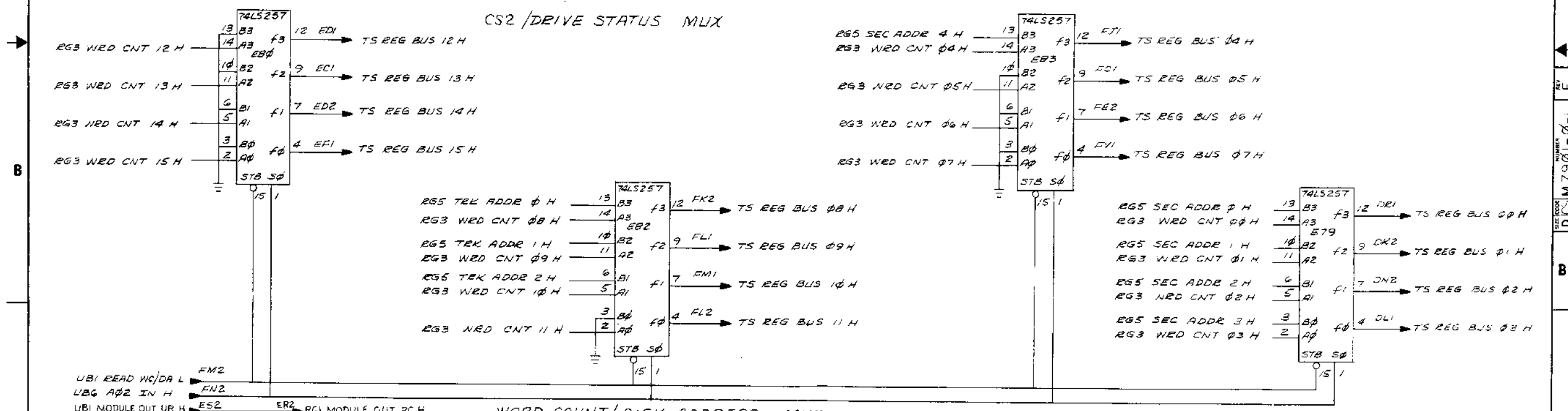
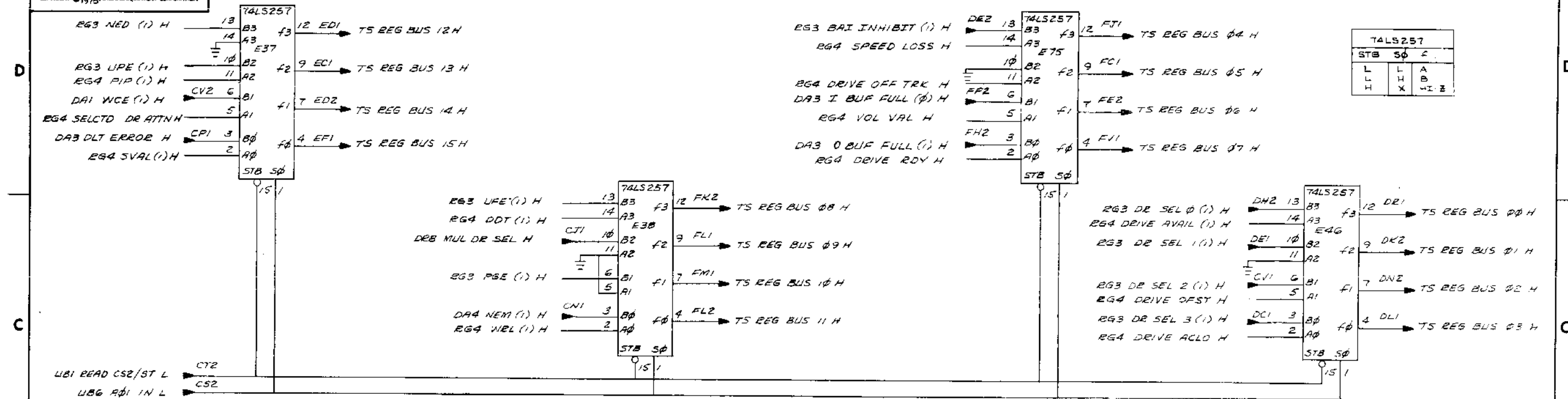
DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION										NOTES:				
PARTS LIST				ETCH REV E														
MADE BY Lora Metzger		CHECKED <i>H. Jantjan</i>																
DATE 20 NOV 75		DATE 6 JAN 76																
ENG <i>M. Richardson</i>		PROD <i>T.P. G...</i>																
DATE 26 MAR 76		DATE 5/26/76																
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															REF. DESIGNATION
20	1910656-00		IC 74155	2														E8, E14
21	1910655-00		IC 74157	9														E40, E54, E56, E59, E60, E61, E66, E72, E73
22	1910652-00		IC 74174	4														E41, E43, E68, E70
23	1910096-00		IC 74191	8														E71, E78, E81, E85, E86, E88, E89, E90
24	1910018-00		IC 74193	3														E17, E22, E44
25	1910623-00		IC 74194	8														E47, E48, E55, E62, E64, E65, E67, E69
26	1912647-00		IC 74LS257	16														E31, E36, E37, E38, E39, E46, E51, E53, E58, E75, E76, E77, E79, E80, E82, E83
27	1910651-00		IC 74175	2														E52, E74
28	1210711-02		HANDLE ASSEMBLY HEX	1														
29	9006732-00		EYELET	12														
30			SPARES															E35, E42, E63, E84, E87, E91
31	9105740-55		WIRE 30 AWG, GRN.	A/R														
32	9105740-55		WIRE 30 AWG, GRN	A/R														

E.C.O. NO.

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					SHEET 2 OF 2		DIST.							

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74LS257		
STB	Sφ	Σ
L	L	A
L	H	B
H	X	HI Z

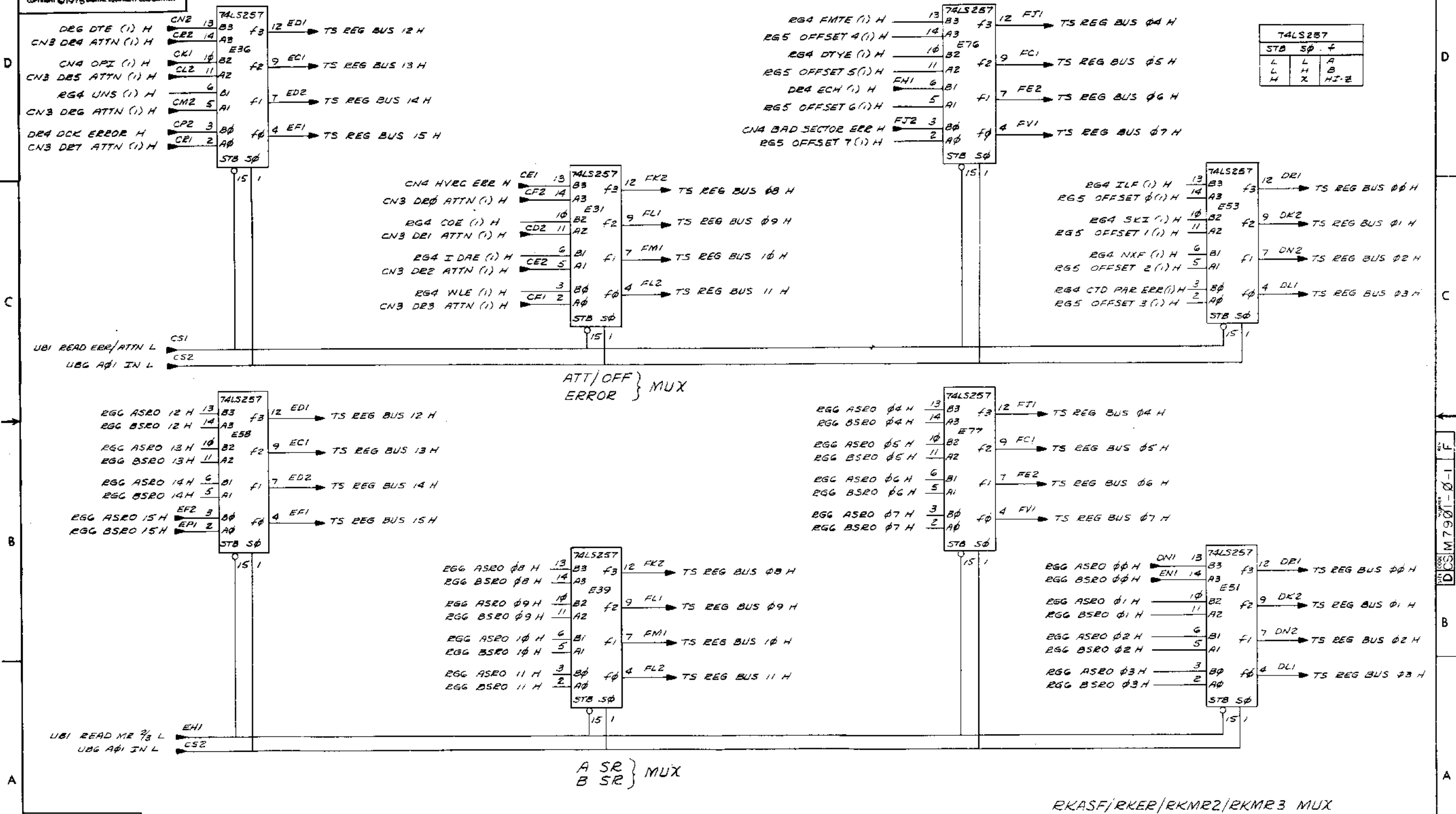


REV.	REV. NO.	DATE	BY	CHK'D	APP'D
1	0				
2	1				
3	2				
4	3				
5	4				
6	5				
7	6				
8	7				

DRN: M. J. ...	FIRST USED ON	RK611	Digital
CHK'D: ...	TITLE	(RGI)	REGISTER BOARD
ENG. M. J. ...	PROD. 7/65		
PROJ. ENG. ...	NEXT HIGHER ASSY.		
SCALE: 1" = 1"	SIZE CODE	D	CSM7901-0-1
SHEET 1 OF 8	DIST.		ETCH REV: 1

REV. F
M7901-0-1

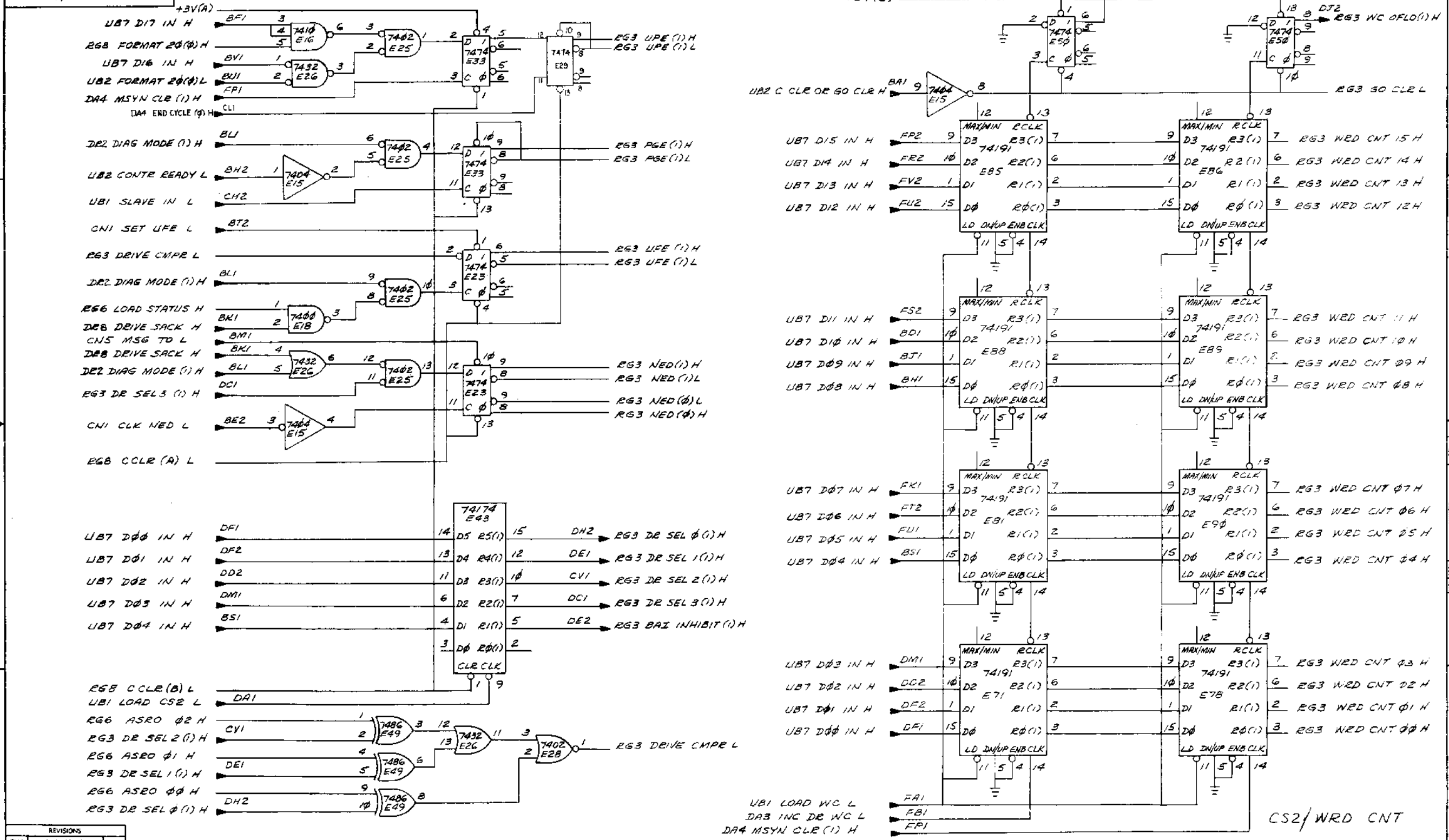
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	(RG2)	SIZE CODE	NUMBER	REV.
REGISTER BOARD		DCS M7901-0-1	F	
SCALE	SHEET 2 OF 5	DIST.		

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REVISIONS		
CHK	CHANGE NO	REV.

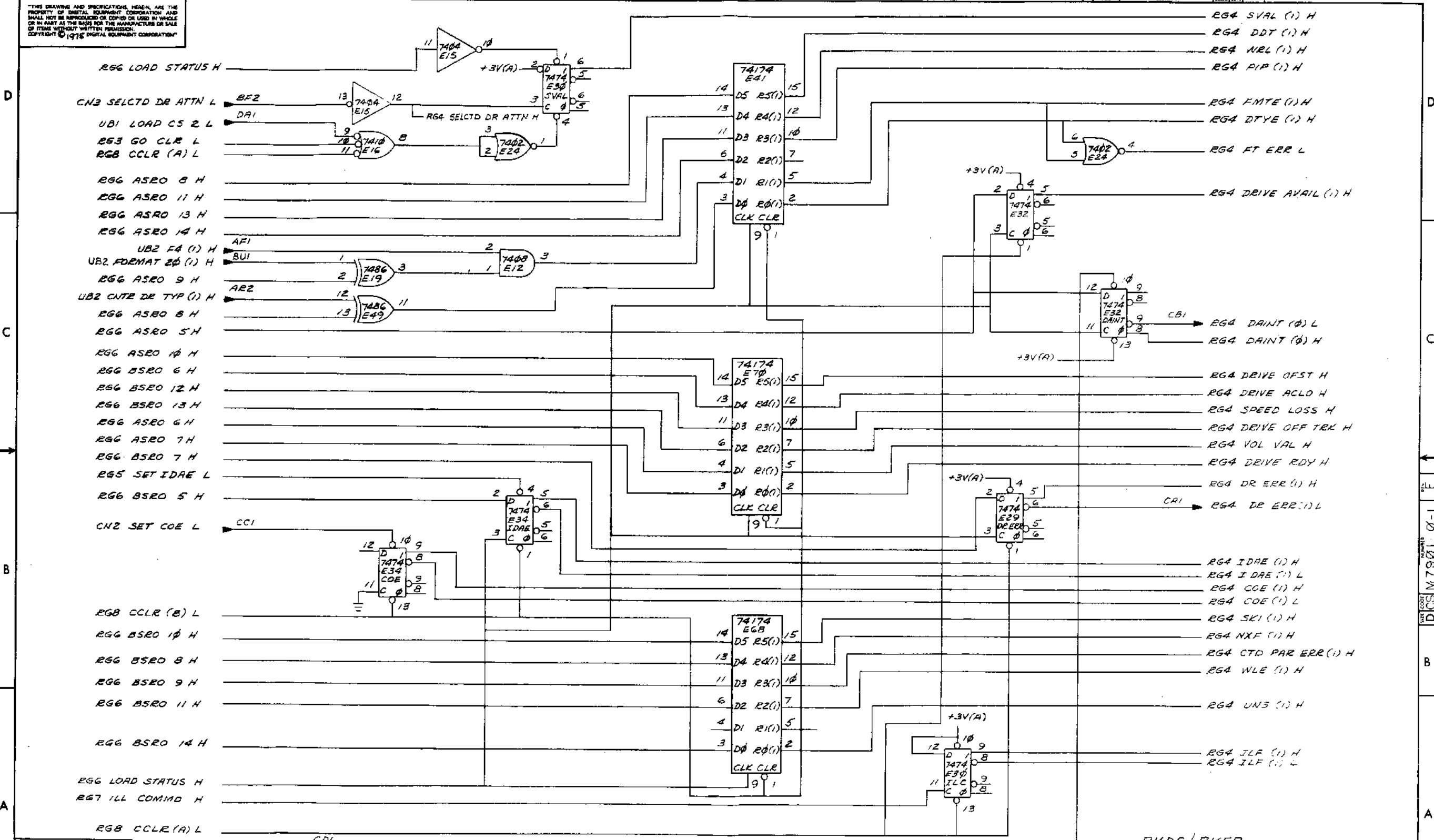
DEC FORM NO. 040 135

TITLE	REGISTER BOARD (RG3)	SIZE CODE	DCS M7901-0-1	NUMBER	3 OF 3	REV.	F
SCALE	SHEET 3 OF 3	DIST					

DRAWING NUMBER
 DCS M7901-0-1
 SHEET 3 OF 3

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DIGITAL EQUIPMENT CORPORATION
 MODEL 7901-0-1
 SHEET 4 OF 8



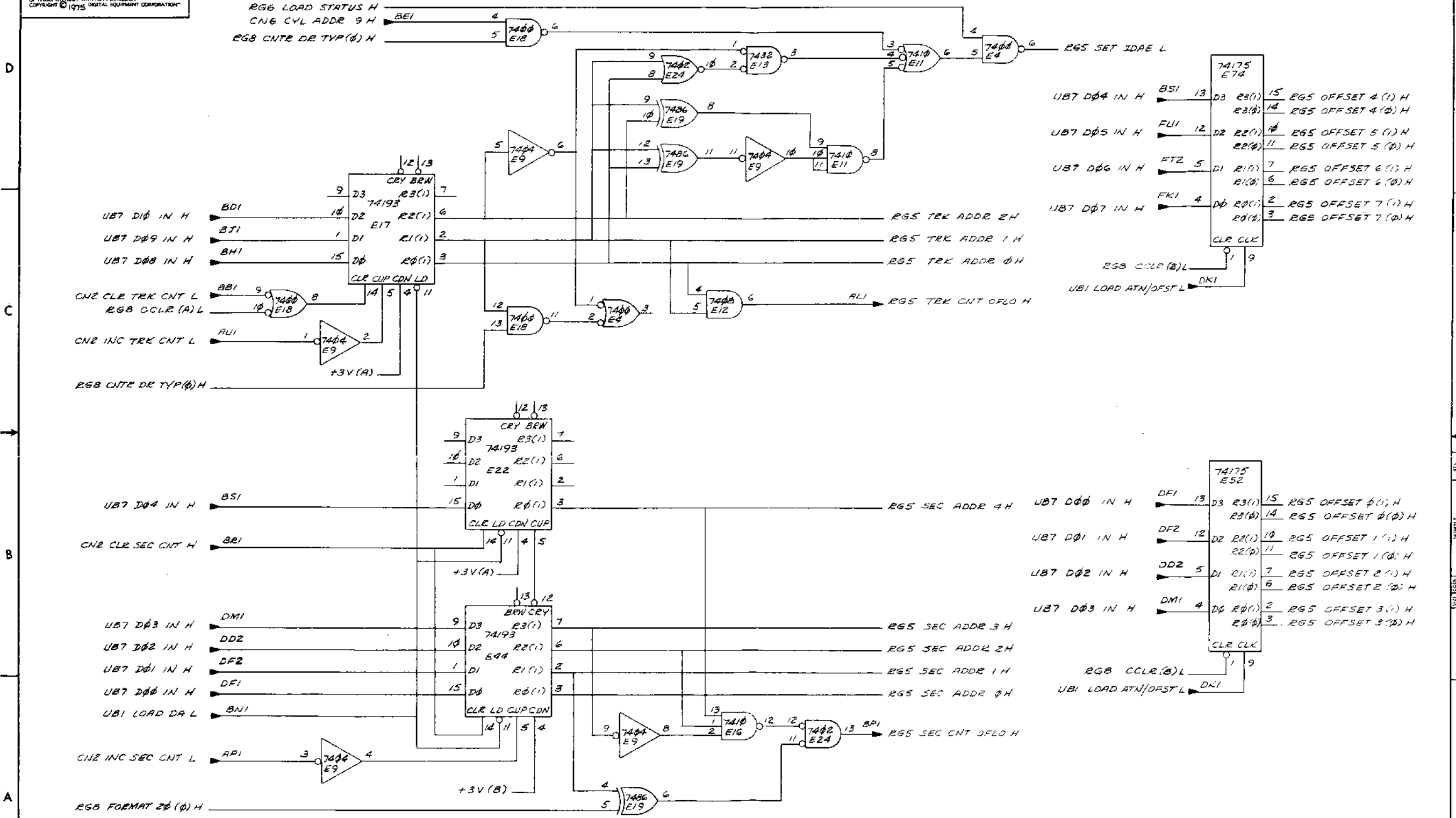
REVISIONS		
CHK	CHANGE NO	REV

REG FORM NO. 138
 8 7 6 5 4 3 2 1

TITLE REGISTER BOARD (RG4) SIZE CODE DCSM7901-0-1 NUMBER REV. F
 SCALE SHEET 4 OF 8 DIST.

RKDS/RKER

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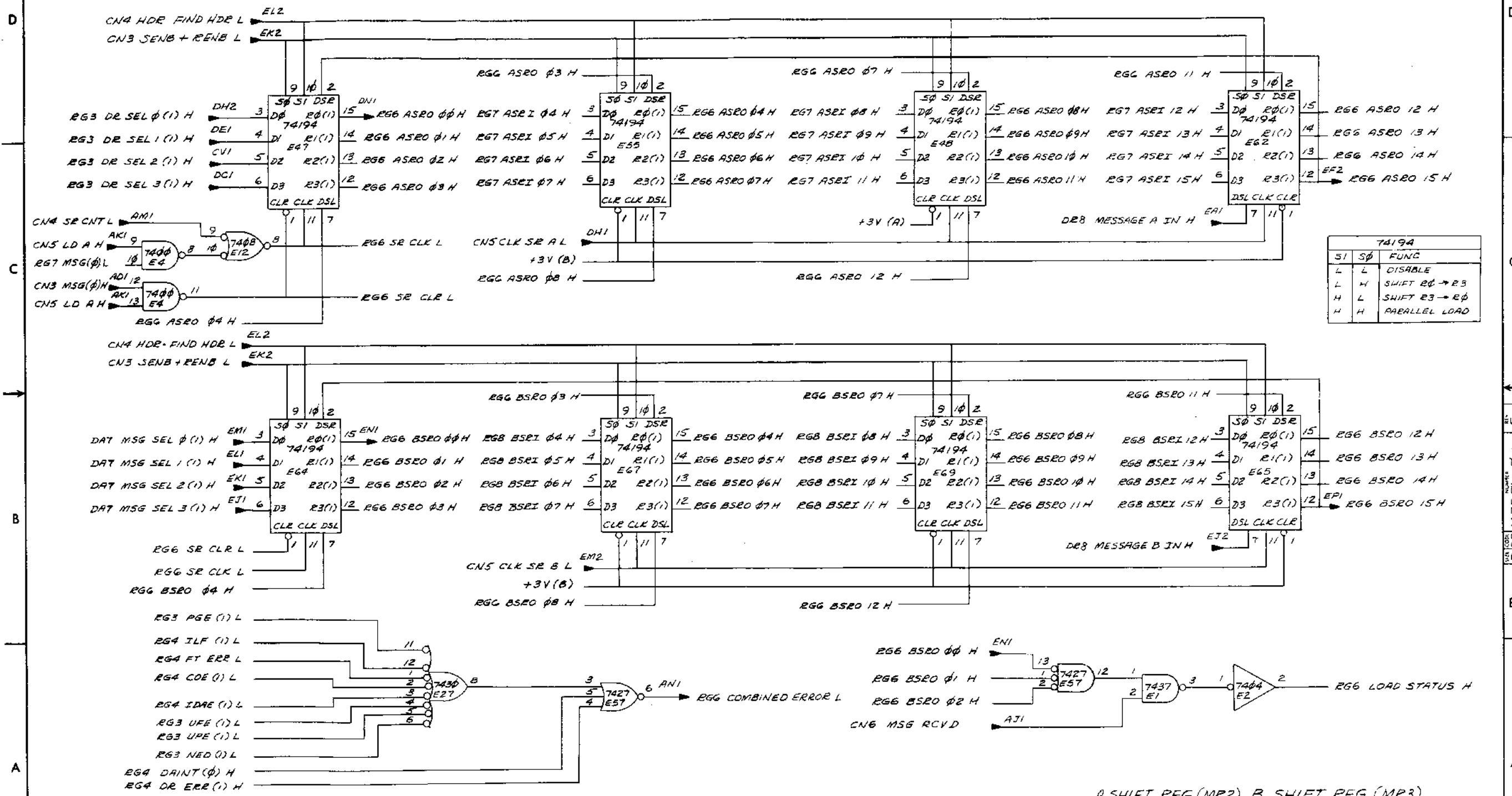
UB7 D04 IN H	BSI	D3	R3(1)	15	RG5 OFFSET 4(1) H
			R3(0)	14	RG5 OFFSET 4(0) H
UB7 D05 IN H	FUI	D2	R2(1)	10	RG5 OFFSET 5(1) H
			R2(0)	11	RG5 OFFSET 5(0) H
UB7 D06 IN H	FT2	D1	R1(1)	7	RG5 OFFSET 6(1) H
			R1(0)	6	RG5 OFFSET 6(0) H
UB7 D07 IN H	FKI	D0	R0(1)	2	RG5 OFFSET 7(1) H
			R0(0)	3	RG5 OFFSET 7(0) H

UB7 D00 IN H	DF1	D3	R3(1)	15	RG5 OFFSET 0(1) H
			R3(0)	14	RG5 OFFSET 0(0) H
UB7 D01 IN H	DF2	D2	R2(1)	10	RG5 OFFSET 1(1) H
			R2(0)	11	RG5 OFFSET 1(0) H
UB7 D02 IN H	DD2	D1	R1(1)	7	RG5 OFFSET 2(1) H
			R1(0)	6	RG5 OFFSET 2(0) H
UB7 D03 IN H	DMI	D0	R0(1)	2	RG5 OFFSET 3(1) H
			R0(0)	3	RG5 OFFSET 3(0) H

RKDA/RKASF < 00:07 >

REVISIONS		
CHK	CHANGE NO.	REV.

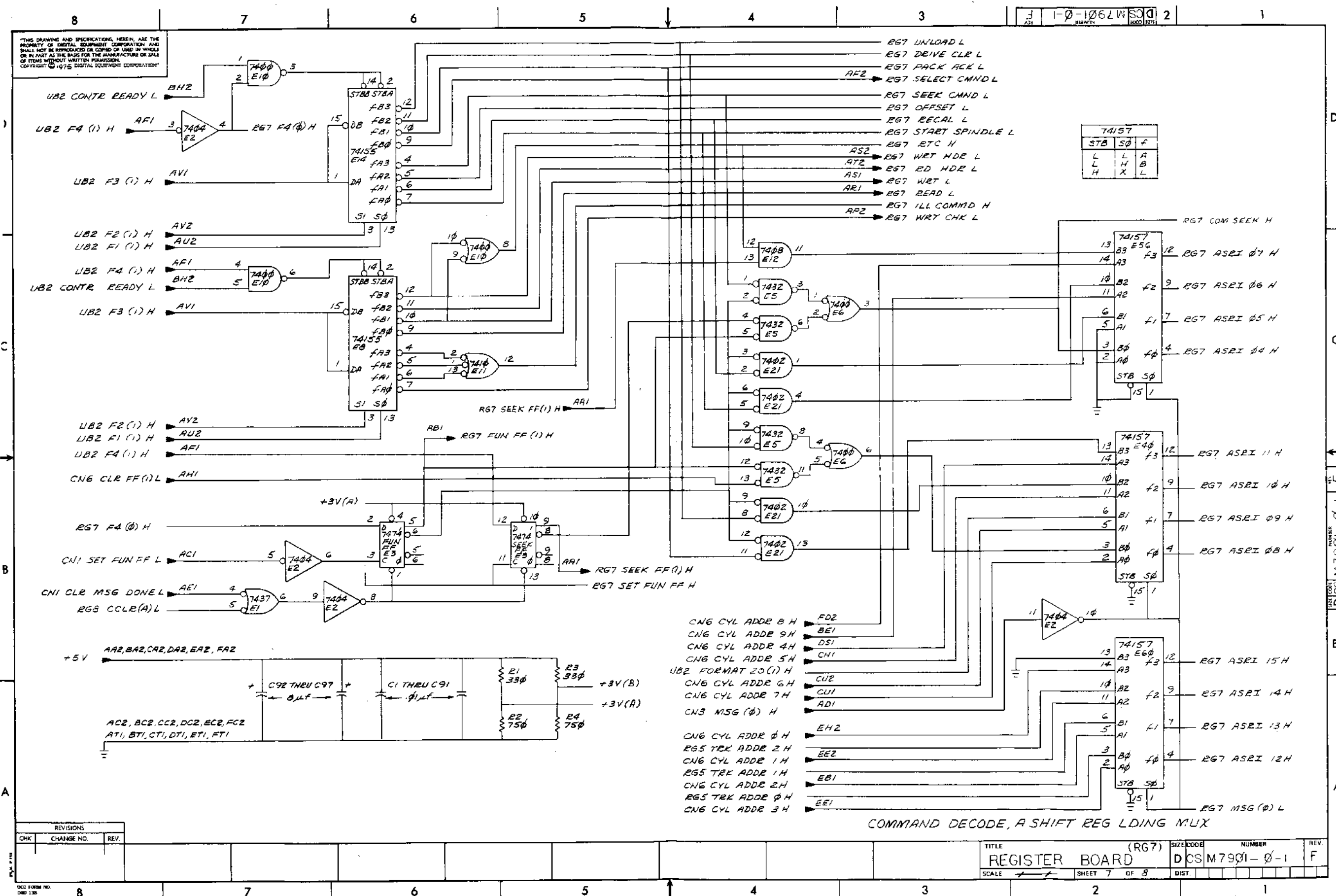
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A SHIFT REG (MR2), B SHIFT REG (MR3)

REVISIONS		
CHK	CHANGE NO.	REV

TITLE	REGISTER BOARD (RG6)	SIZE/CD	D CS	NUMBER	M7901-0-1	REV.	F
SCALE	1:1	SHEET	6	OF	8	DIST.	



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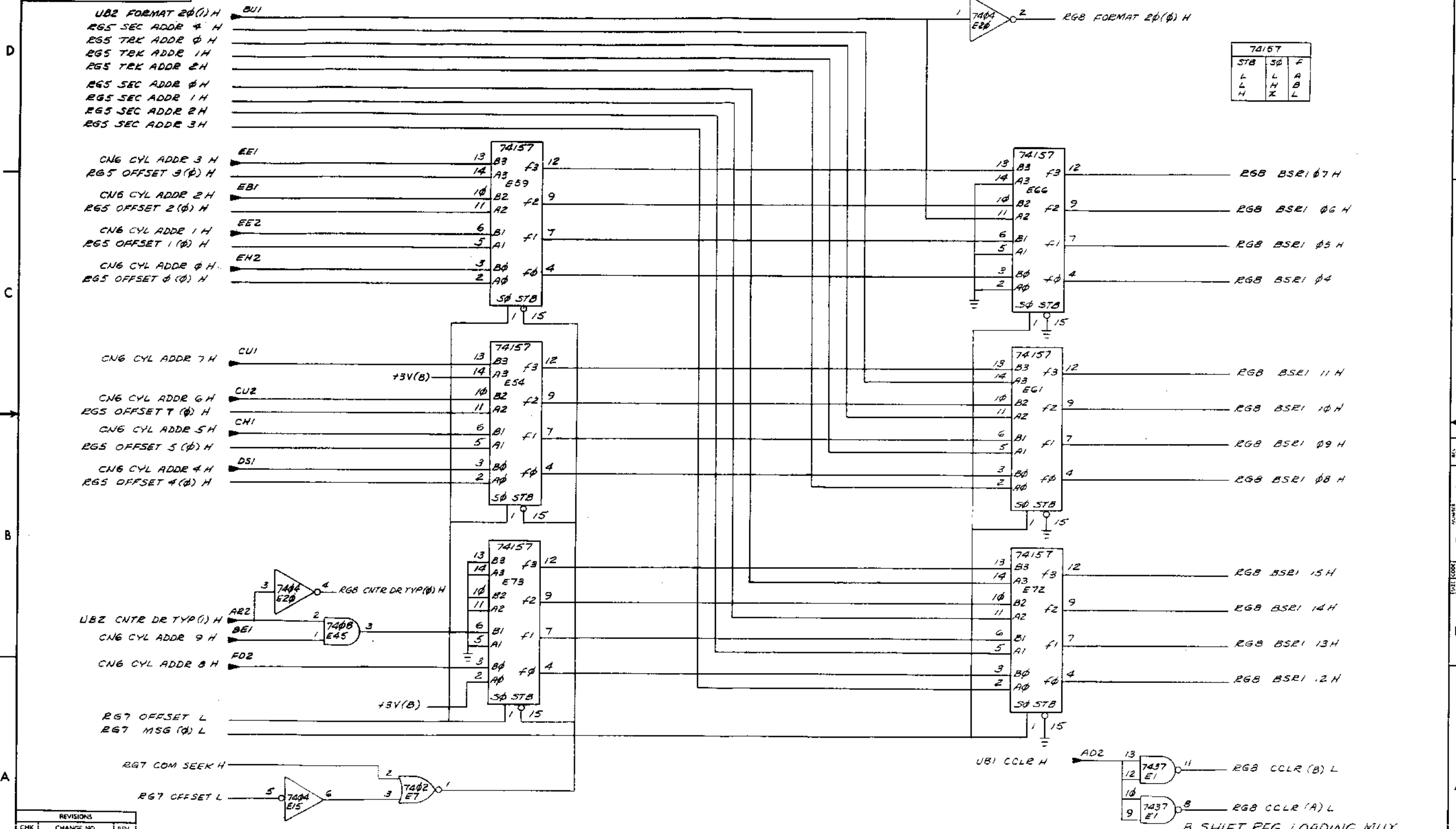
74157		
STB	Sφ	f
L	L	A
L	H	B
H	X	L

- CN6 CYL ADDR 8 H → F02
- CN6 CYL ADDR 9 H → BE1
- CN6 CYL ADDR 4 H → DS1
- CN6 CYL ADDR 5 H → CH1
- CN6 CYL ADDR 6 H → CU2
- CN6 CYL ADDR 7 H → CU1
- CN3 MSG (φ) H → AD1
- CN6 CYL ADDR φ H → EH2
- RG5 TRK ADDR 2 H → EE2
- CN6 CYL ADDR 1 H → EB1
- RG5 TRK ADDR 1 H → EB1
- CN6 CYL ADDR 2 H → EE2
- RG5 TRK ADDR φ H → EE1
- CN6 CYL ADDR 3 H → EE1

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	REGISTER BOARD (RG7)	SIZE CODE	DCS M7901-0-1	NUMBER		REV.	F
SCALE		SHEET	7 OF 8	DIST.			

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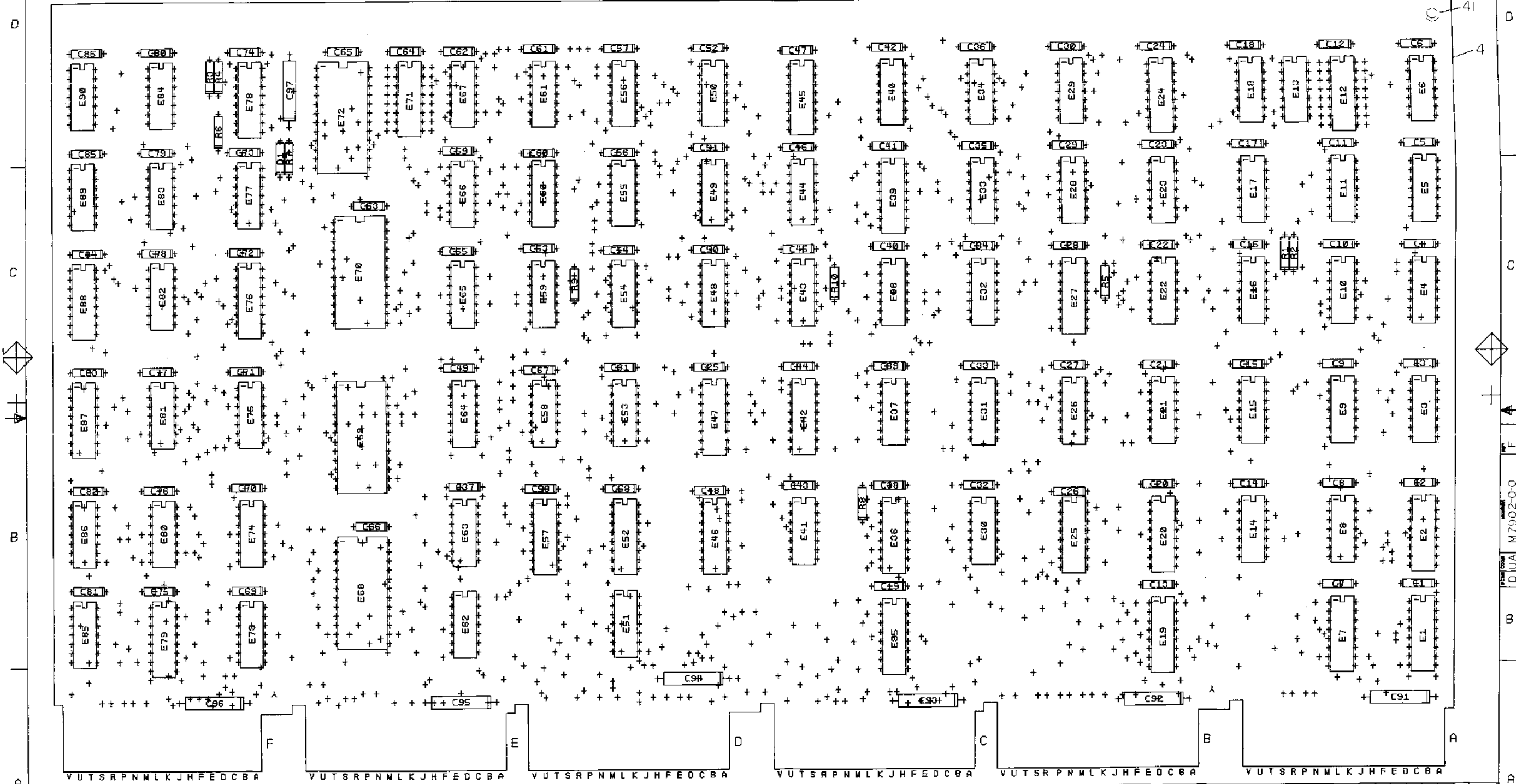


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	REGISTER BOARD (RG8)	SIZE CODE	NUMBER	REV.
SCALE	+	SHEET	8 OF 8	F
DCS M7901-0-1		DIST.		

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COMPONENT SIDE VIEW



NOTES: E12 & E11 ARE SPARE IC LOCATIONS.

STEP	Y AXIS	STEP	TIMES
REPEAT	X AXIS	STEP	TIMES

CHK CHANGE NO	REV
REDRAWN	F
ML	006

ETCH REV.	E-21
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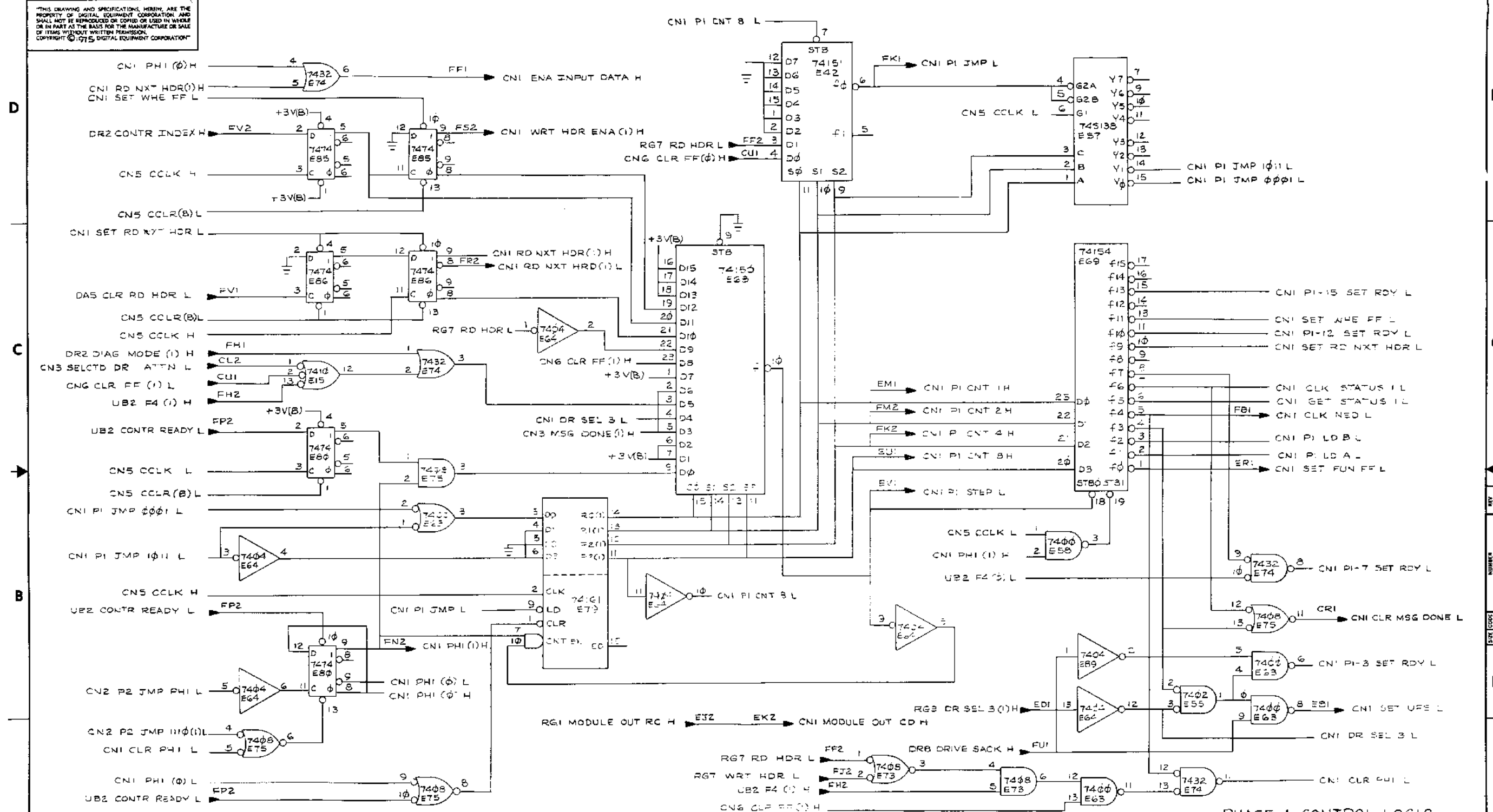
SIGNATURES		DATE	digital
DRN.	<i>[Signature]</i>	11-15-78	
CHK'D.	<i>[Signature]</i>	11-15-78	TITLE
MECH. ENG.	<i>[Signature]</i>	11-15-78	
PROJ. ENG.	<i>[Signature]</i>	11-15-78	CONTROL BOARD
PROD.	<i>[Signature]</i>	11-15-78	
SCALE	2:1	SIZE	CODE
SHT.	1 OF 1	D JUA	M7902-0-0
NEXT HIGHER ASSY.		B-EP-M7902-0	

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-CS-M7902-0-1	CONTROL BOARD (C.S.)	REF	
2	2	D-UA-M7902-0-0	UNIT ASSY	REF	
3	3	B-HH-M7902-0-6	MODULE ECO HISTORY	REF	
4	4	5011461-00	M7902	1	
5	5	1002630-00	.015 MFD 100V 10% MYLR	1	C97
6	6	1001610-00	.01 MFD 50V +80-20% 25U CLR	86	C1-C86
7	7	1012084-01	B MFD 25V +75-10% AL EL	6	C91-C96
8	8	1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D1
9	9	1300295-00	330.0 .25 W 5.0 % CC	2	R1,R3
10	10	1301401-00	750.0 .25 W 5.0 % CC	2	R2,R4
11	11	1300365-00	1.0 K .25 W 5.0 % CC	3	R8-R10
12	12	1304854-00	5.11 K .25 W 1.0 % RN50D-F10	1	R7
13	13	1301874-00	5.60 K .25 W 5.0 % CC	2	R5,R6
14	14	1905575-00	7400 NAND GATE-QUAD 2IN	6	E40,E56,E58,E59,E63,E82
15	15	1909004-00	DEC 7402 NOR GATE-QUAD 2IN	3	E9,E44,E55
16	16	1909686-00	7404 INVERTER GATE-HEX 1I	4	E21,E53,E64,E89
17	17	1910155-00	DEC 7408 AND GATE,POS,QUAD 2I	7	E6,E50,E38,E65,E73,E49,E75
18	18	1905576-00	7410 NAND GATE-TRIPLE 3IN	1	E15
19	19	1910537-00	74S11 AND GATE-TRIPLE 3INP	1	E60
20	20	1905577-00	7420 NAND GATE-DUAL 4INPU	3	E8,E31,E28
21	21	1910878-00	7427 NOR GATE-TRIPLE 3IN	3	E4,E26,E22
22	22	1905578-00	7430 NAND GATE-SINGLE 8IN	1	E30
23	23	1911521-00	7432 OR GATE-QUAD 2IN, PO	3	E3,E48,E74
24	24	1910091-00	DEC 7437 AND GATE-QUAD 2IN,BU	2	E11,E17
25	25	1905580-00	DEC 7450 A-0-1 XPNDBLE GATE-D	1	E14
26	26	1905589-00	DEC 7470 FF-JK EDGE TRIPPER	2	E13,E18
27	27	1905587-00	DEC 7473 FF-JK DUAL,MASTER SL	1	E33
28	28	1905547-00	7474 FF-D DUAL,EDGE TRIGG	19	E5,E10,E23,E32,E34,E37,E43,E54, E61,E66,E67,E77,E80,E81,E83,E85, E86,E51,E62

REVISION HISTORY		BASIC PART NO: M7902		DRN: LORA METZGER		DATE: 15-DEC-75		D I G I T A L	
ECO NUMBER	REV	SECTION A OF A	CHK'D:	P.ROSSMAN	DATE:	13-JUN-80	TITLE	PARTS LIST	
INITIAL	IA	SECTION VARIATION INDEX					CONTROL BOARD		
M7902-00001	IB	[A] 00							
M7902-00004	IC	[B]							
M7902-ML005	IE	[C]	DES.ENG:	M.RICHESSON	DATE:	29-MAR-76			
M7902-ML006	IF	[D]					DOCUMENT NUMBER		
		[E]	RESP.ENG.:	M.RICHESSON	DATE:	29-MAR-80	SIZE	CODE	NUMBER
		[F]							REV
		[G]							
		[H]							
		[I]	MFG.ENG.:	C.E.POWELL	DATE:	29-MAR-76	K	PL	M7902-0-DBF
		[J]							F
		[K]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #
		[L]	D-UA-M7902-0-0		#B-DD-M7902-0		Z1501F.PLS		12
		[M]							
		[N]							

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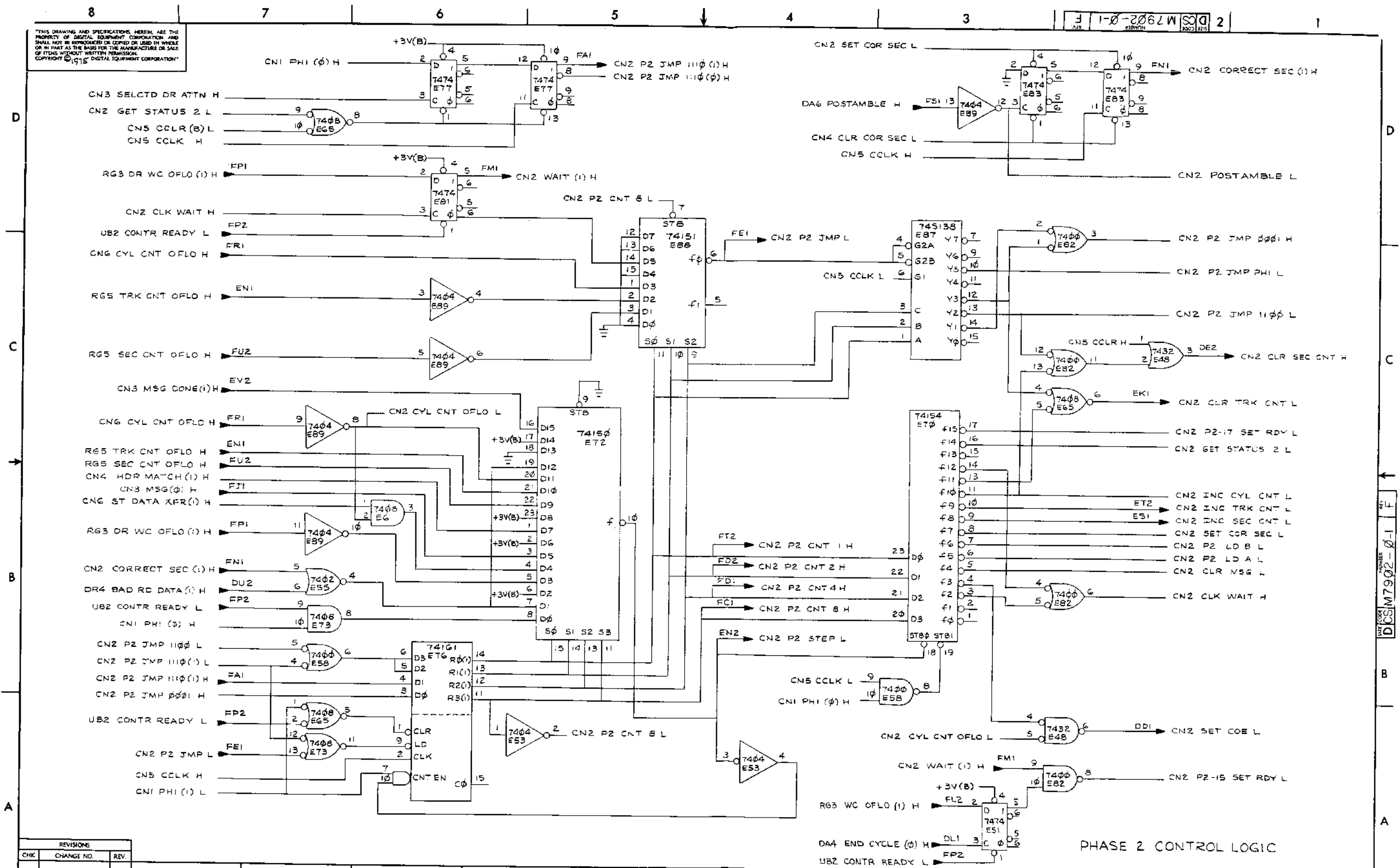


PHASE 1 CONTROL LOGIC

REV.	CHG.	NO.	BY	DATE
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3	1	0002	M. RICHESON	7-12-74
4	1	0003	M. RICHESON	7-12-74
5	1	0004	M. RICHESON	7-12-74
6	1	0005	M. RICHESON	7-12-74
7	1	0006	M. RICHESON	7-12-74
8	1	0007	M. RICHESON	7-12-74
9	1	0008	M. RICHESON	7-12-74
10	1	0009	M. RICHESON	7-12-74
11	1	0010	M. RICHESON	7-12-74
12	1	0011	M. RICHESON	7-12-74
13	1	0012	M. RICHESON	7-12-74
14	1	0013	M. RICHESON	7-12-74
15	1	0014	M. RICHESON	7-12-74
16	1	0015	M. RICHESON	7-12-74
17	1	0016	M. RICHESON	7-12-74
18	1	0017	M. RICHESON	7-12-74
19	1	0018	M. RICHESON	7-12-74
20	1	0019	M. RICHESON	7-12-74
21	1	0020	M. RICHESON	7-12-74
22	1	0021	M. RICHESON	7-12-74
23	1	0022	M. RICHESON	7-12-74
24	1	0023	M. RICHESON	7-12-74
25	1	0024	M. RICHESON	7-12-74
26	1	0025	M. RICHESON	7-12-74
27	1	0026	M. RICHESON	7-12-74
28	1	0027	M. RICHESON	7-12-74
29	1	0028	M. RICHESON	7-12-74
30	1	0029	M. RICHESON	7-12-74
31	1	0030	M. RICHESON	7-12-74
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36	1	0035	M. RICHESON	7-12-74
37	1	0036	M. RICHESON	7-12-74
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42	1	0041	M. RICHESON	7-12-74
43	1	0042	M. RICHESON	7-12-74
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45	1	0044	M. RICHESON	7-12-74
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63	1	0062	M. RICHESON	7-12-74
64	1	0063	M. RICHESON	7-12-74
65	1	0064	M. RICHESON	7-12-74
66	1	0065	M. RICHESON	7-12-74
67	1	0066	M. RICHESON	7-12-74
68	1	0067	M. RICHESON	7-12-74
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71	1	0070	M. RICHESON	7-12-74
72	1	0071	M. RICHESON	7-12-74
73	1	0072	M. RICHESON	7-12-74
74	1	0073	M. RICHESON	7-12-74
75	1	0074	M. RICHESON	7-12-74
76	1	0075	M. RICHESON	7-12-74
77	1	0076	M. RICHESON	7-12-74
78	1	0077	M. RICHESON	7-12-74
79	1	0078	M. RICHESON	7-12-74
80	1	0079	M. RICHESON	7-12-74
81	1	0080	M. RICHESON	7-12-74
82	1	0081	M. RICHESON	7-12-74
83	1	0082	M. RICHESON	7-12-74
84	1	0083	M. RICHESON	7-12-74
85	1	0084	M. RICHESON	7-12-74
86	1	0085	M. RICHESON	7-12-74
87	1	0086	M. RICHESON	7-12-74
88	1	0087	M. RICHESON	7-12-74
89	1	0088	M. RICHESON	7-12-74
90	1	0089	M. RICHESON	7-12-74
91	1	0090	M. RICHESON	7-12-74
92	1	0091	M. RICHESON	7-12-74
93	1	0092	M. RICHESON	7-12-74
94	1	0093	M. RICHESON	7-12-74
95	1	0094	M. RICHESON	7-12-74
96	1	0095	M. RICHESON	7-12-74
97	1	0096	M. RICHESON	7-12-74
98	1	0097	M. RICHESON	7-12-74
99	1	0098	M. RICHESON	7-12-74
100	1	0099	M. RICHESON	7-12-74
101	1	0100	M. RICHESON	7-12-74

DRN. DATE	11/9/75	FIRST USED ON	RK611
CHK'D. DATE	12/18/75	TITLE	CONTROL BOARD
ENG. NAME	M. RICHESON	(CNI)	
PROJ. ENG. NAME	M. RICHESON		
PROD. DATE	11/12/75		
NEXT HIGHER ASSY.			
D-VA-M7902-0-0	SIZE CODE	NUMBER	REV.
SCALE	DCS M7902-0-1	F	
SHEET	OF 6	DIST.	

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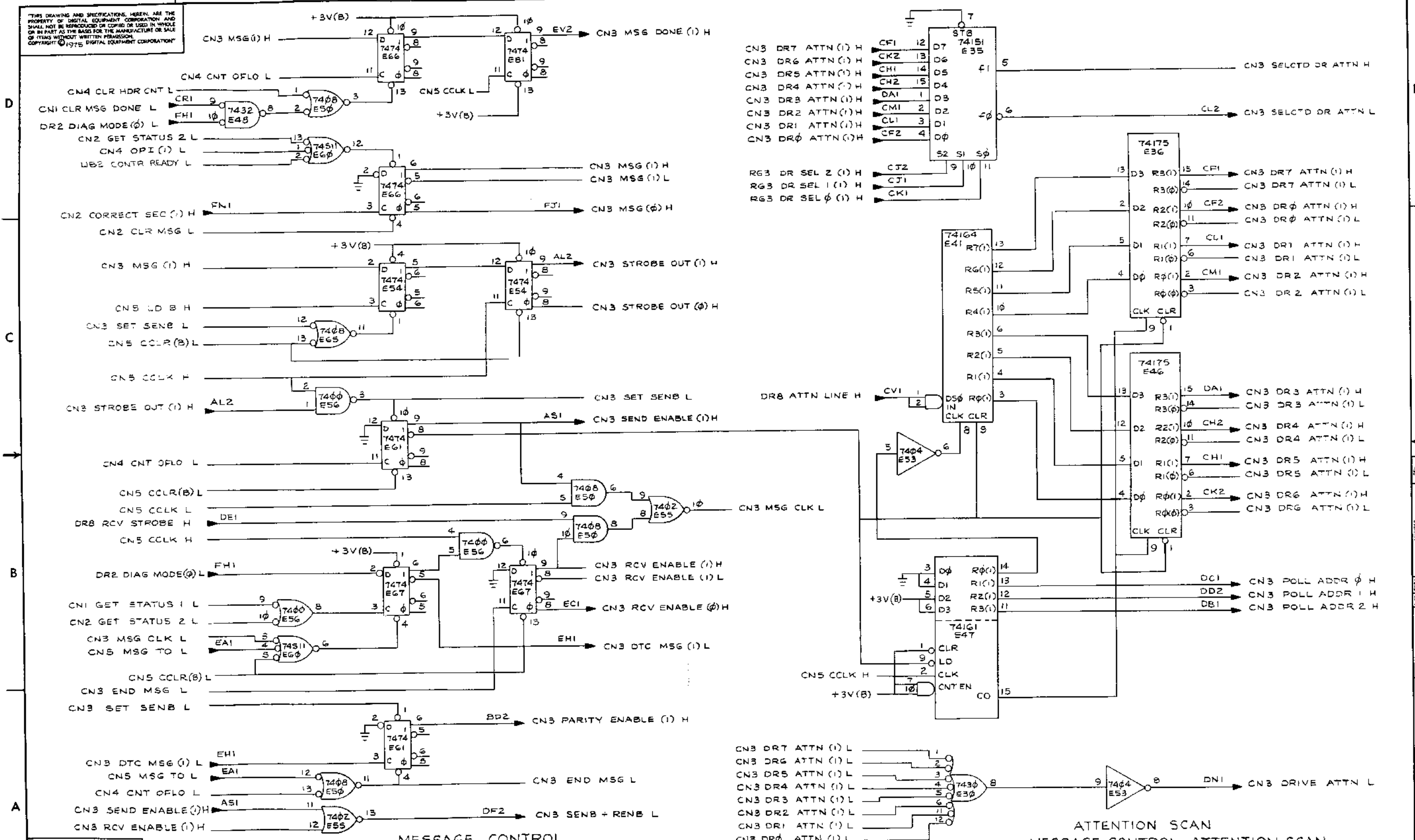


PHASE 2 CONTROL LOGIC

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	CONTROL BOARD (CN2)	SIZE CODE	D CS M7902-0-1	NUMBER	2	REV.	F
SCALE		SHEET	2	OF	6	DIST.	

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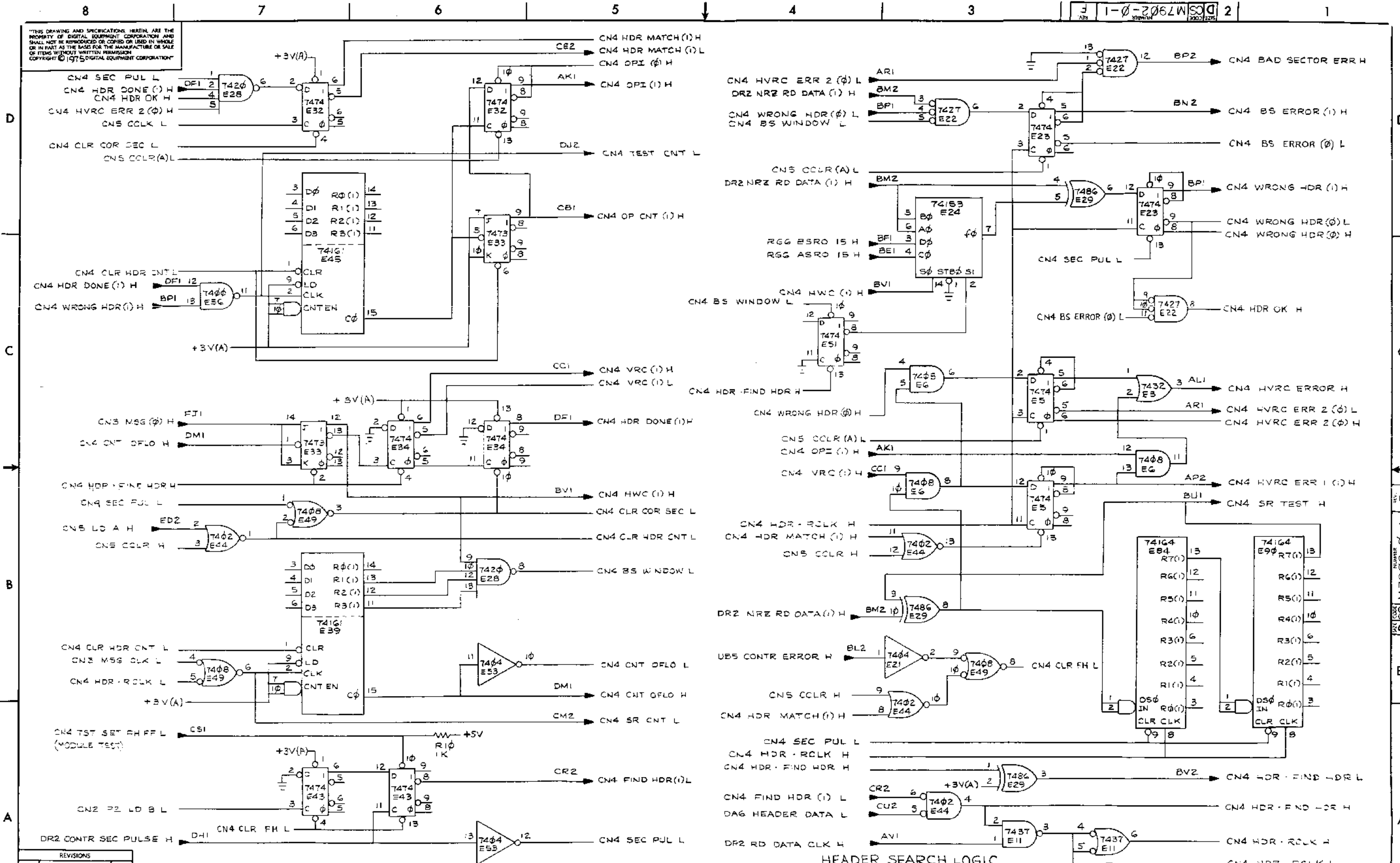


REVISIONS		
CHK	CHANGE NO.	REV

TITLE	CONTROL BOARD (CN3)	SIZE CODE	DCS M7902-0-1	NUMBER	F
SCALE		SHEET	3 OF 6	DIST.	

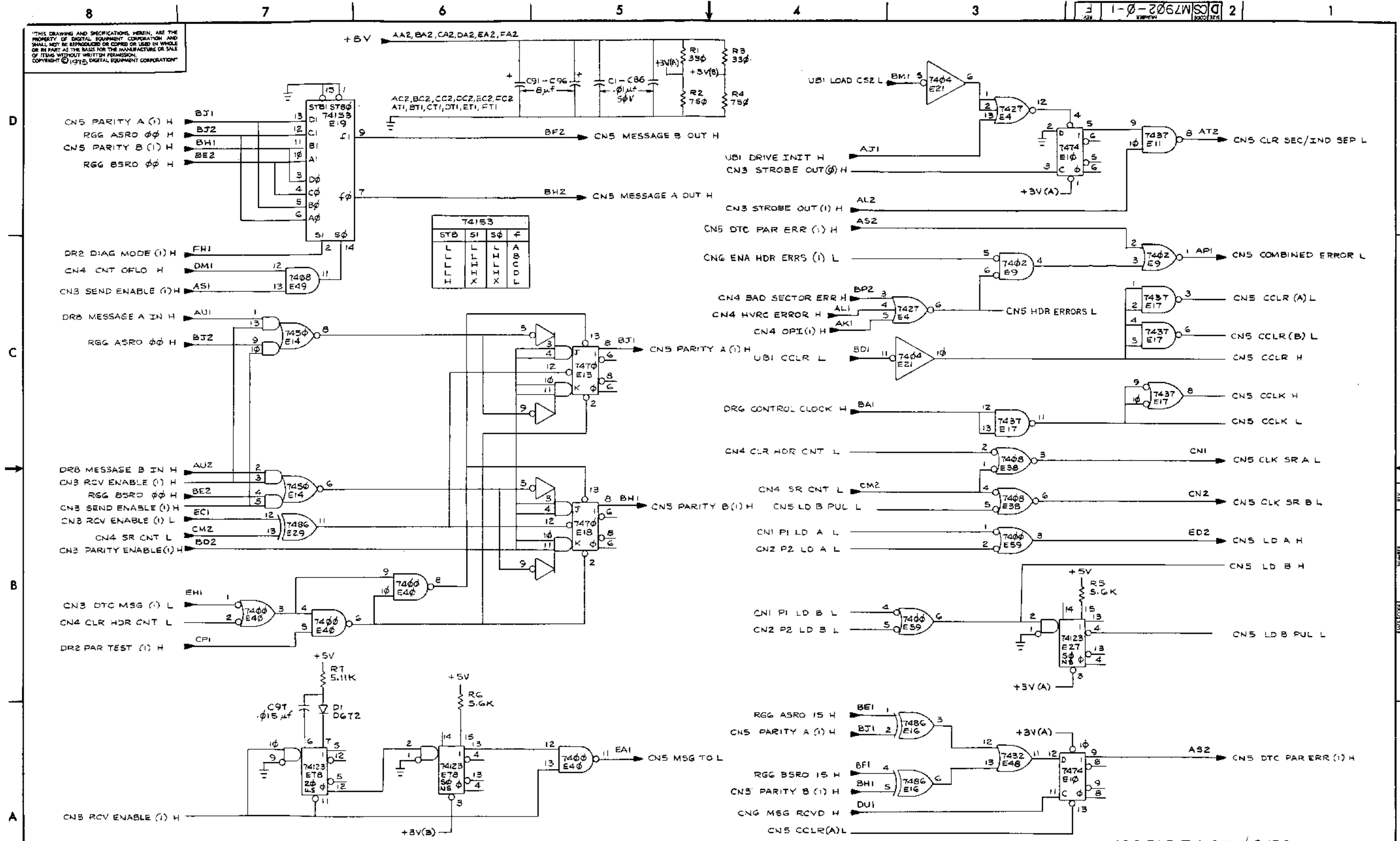
REV. 1-1 F
 NUMBER
 DCS M7902-0-1

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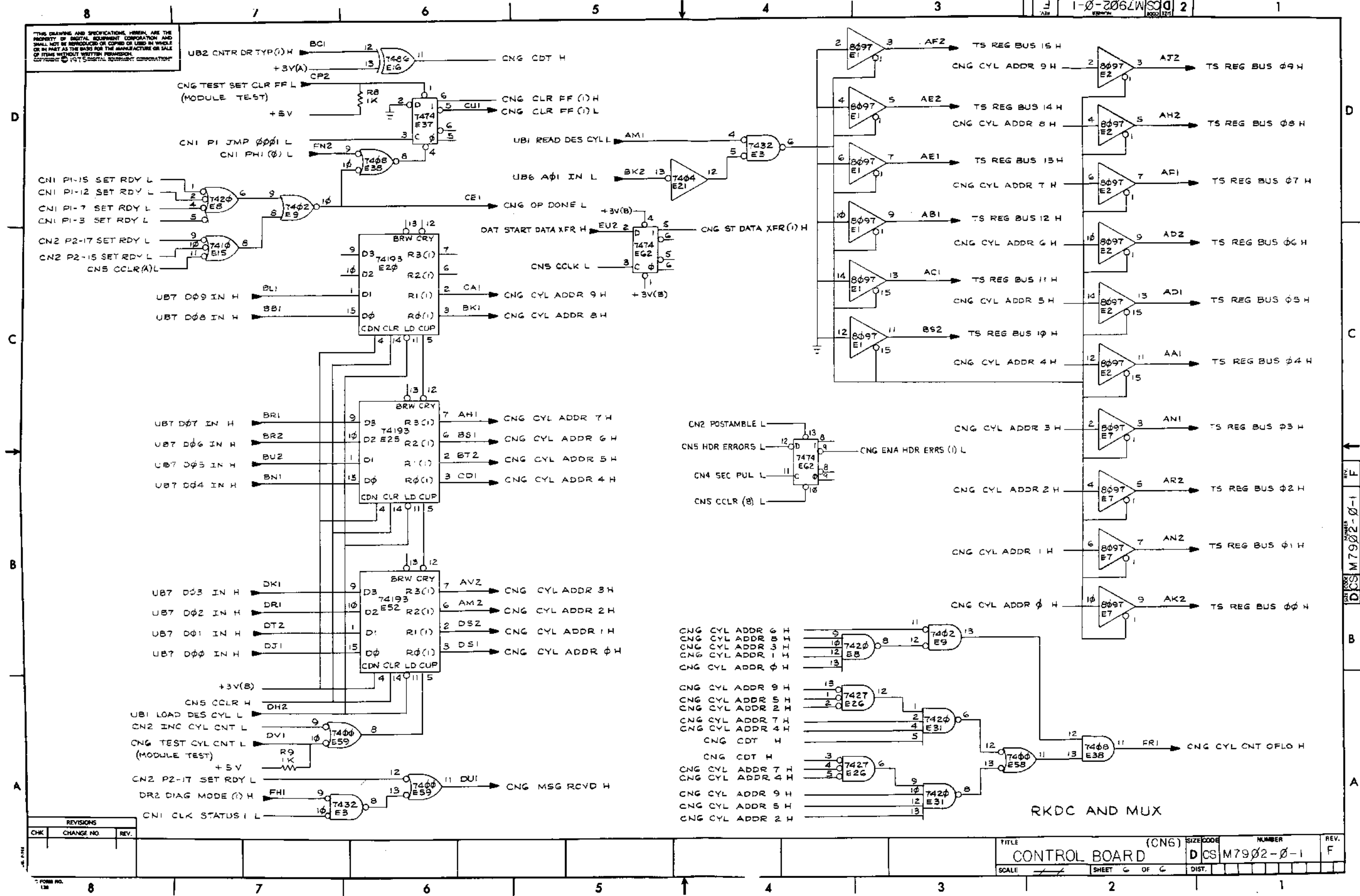
REVISIONS table with columns for CHK, CHANGE NO., and REV.

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REVISIONS		
CHK	CHANGE NO.	REV.

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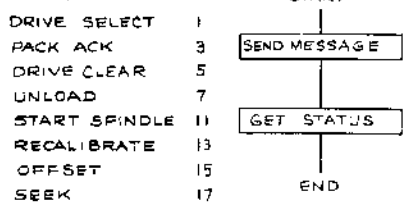
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	(CNG)	SIZE CODE	NUMBER	REV.
CONTROL BOARD	D	CS M7902-0-1	F	
SCALE	SHEET 6 OF 6	DIST.		

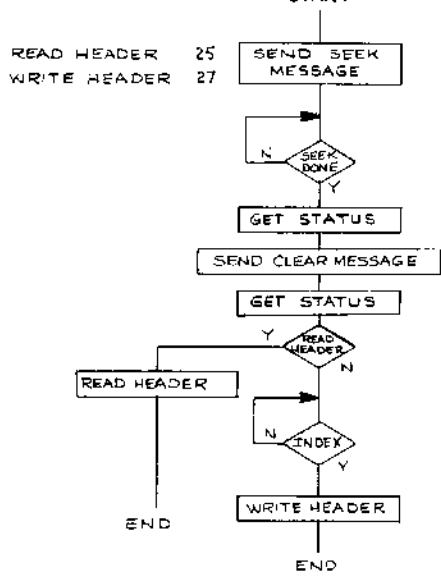
REV. F
D CS M7902-0-1

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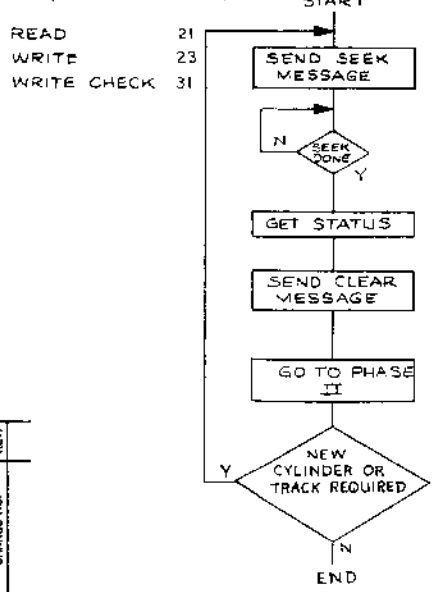
CLASS A DRIVE COMMANDS
(PHASE I ONLY)



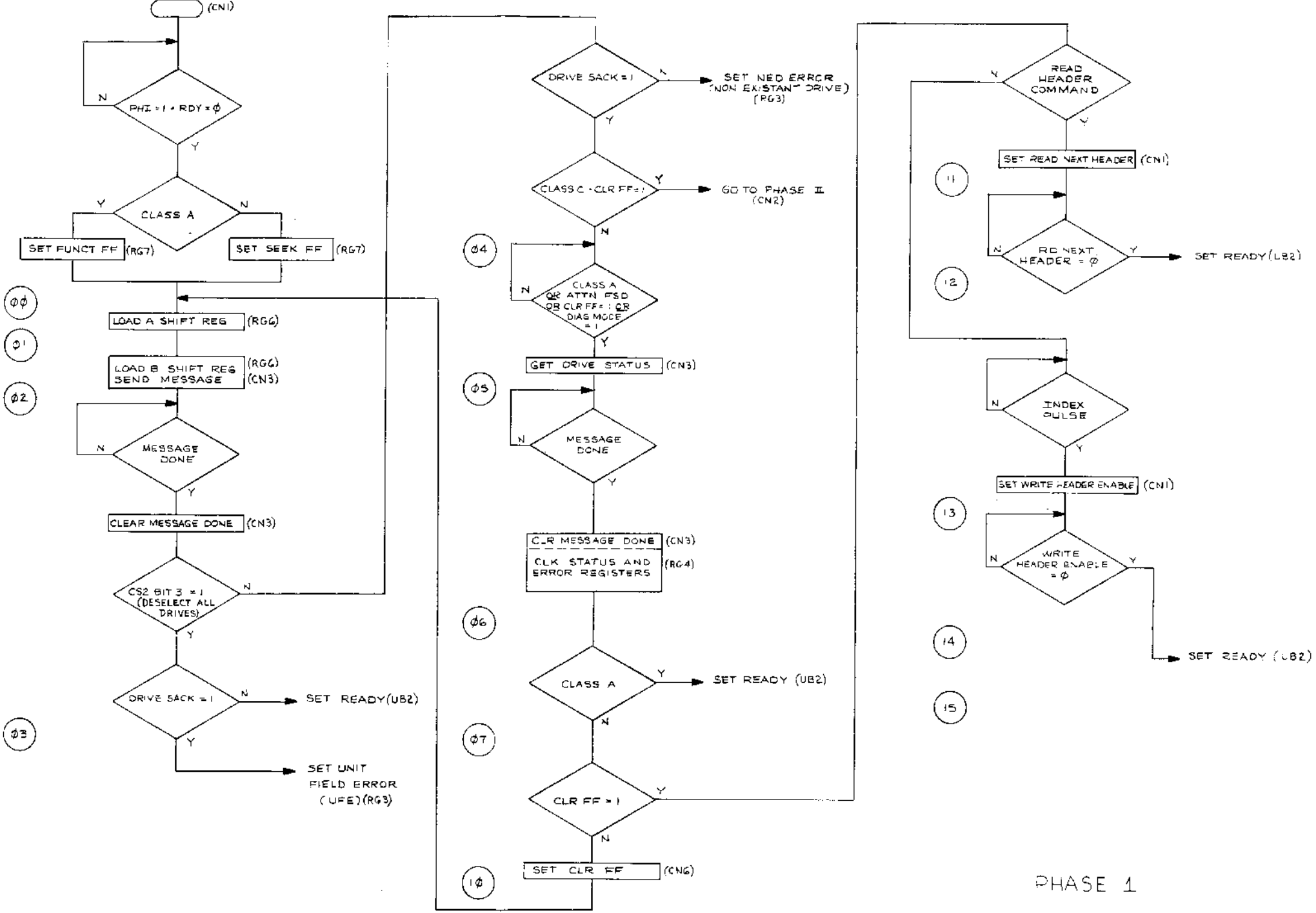
CLASS B DRIVE COMMANDS
(PHASE I ONLY)



CLASS C DRIVE COMMANDS
(PHASE I AND II)



PHASE 1



PHASE 1

XX = PHASE ADDRESS COUNTER

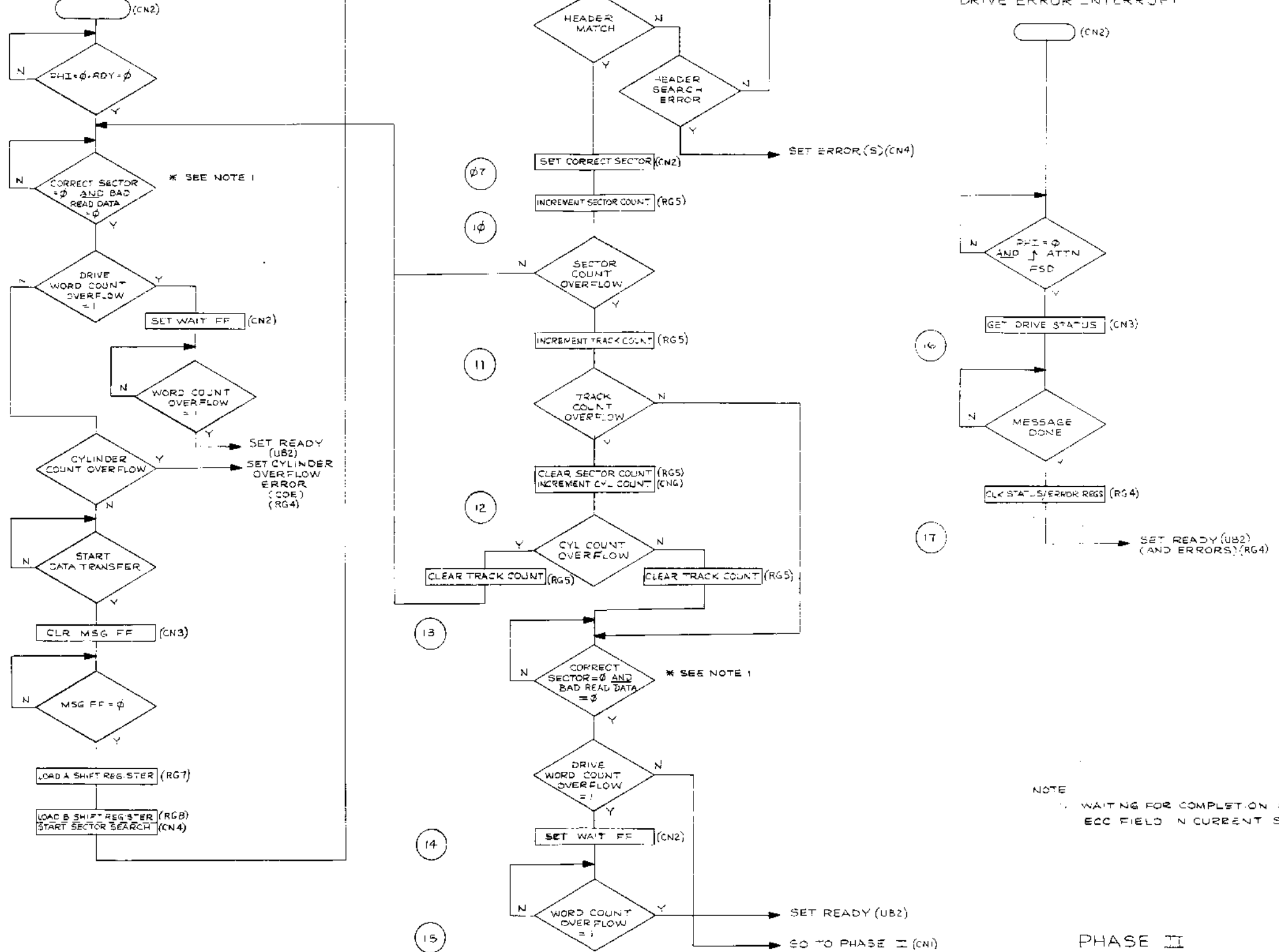
DRW. Scale	11/19/75	FIRST USED ON	RK611	digital
CHK'D. By	12 DEC 75	TITLE	CONTROL FLOW CHART	
ENG. By	12/27/75	PROJ. ENG.		
PROD. Eng.	12/27/75	NEXT HIGHER ASSY.		
B-DD-RK611-0	SIZE CODE	NUMBER	REV.	
SCALE 1/1	D	FD M7902-0-9		
SHEET 1 OF 2	DIST.			

FORM 7902-0-9

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PHASE II

DRIVE ERROR INTERRUPT



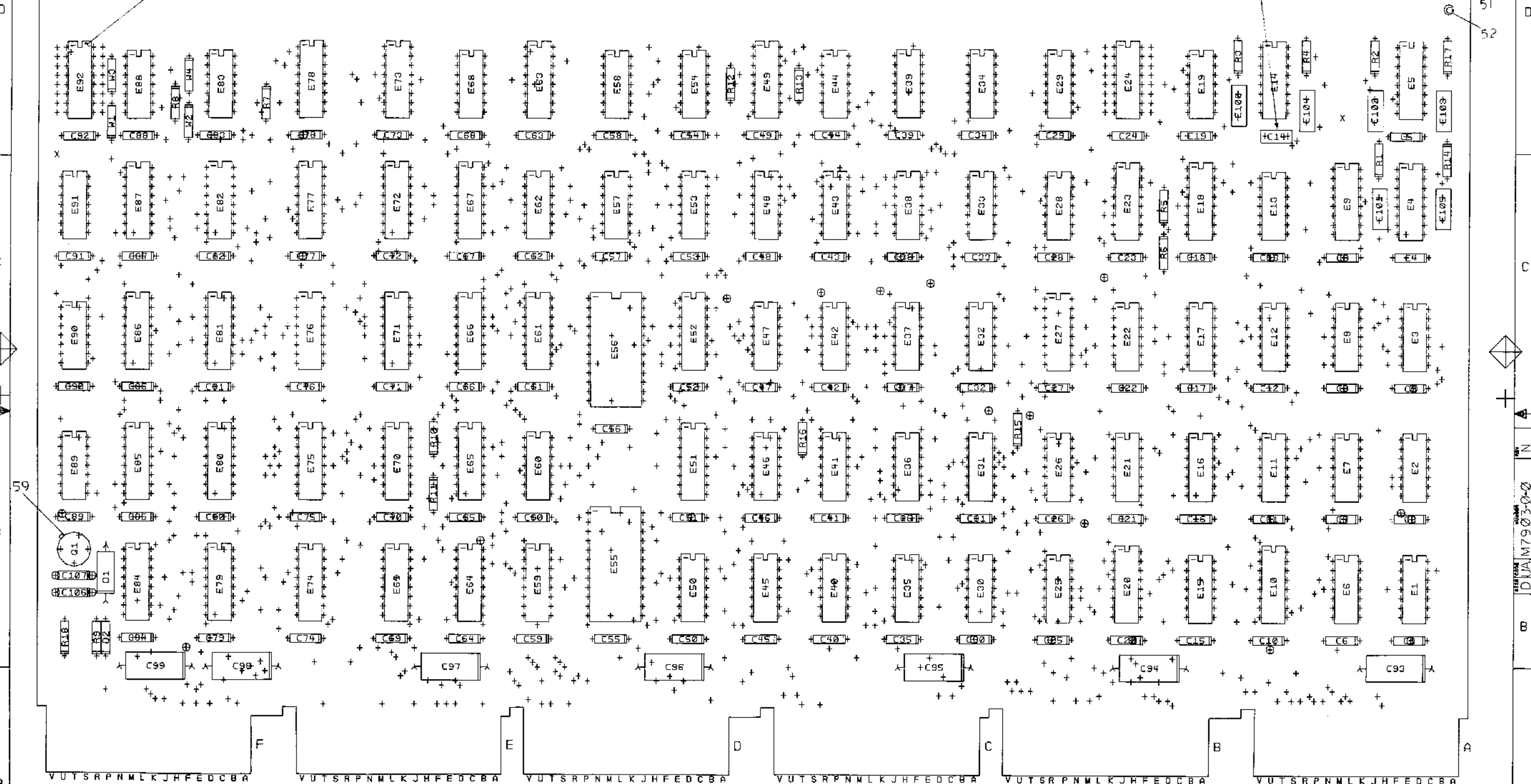
NOTE
WAITING FOR COMPLETION OF
ECC FIELD IN CURRENT SECTOR.

PHASE II

REVISIONS		
CHK	CHANGE NO	REV.

TITLE	CONTROL FLOW CHART	SIZE CODE	D	NUMBER	M7902-0-9	REV.	
SCALE	SHEET 2 OF 2	DIST.					

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NOTES: 1. E24 & E92 ARE SPARE IC LOCATIONS.
 2. C14 MUST BE HAND INSERTED.

STEP	Y AXIS	STEP	TIMES
REPEAT	X AXIS	STEP	TIMES

CHANGE NO	REV	REVISION	DATE
	N		

ETCH REV. F - P1

SIGNATURES	DATE	digital
DRN. POWERS	25-79	
CHK'D.	16 Feb 80	
MECH. ENG.		TITLE
PROJ. ENG.		RK611 DATA MODULE
PROD.		SIZE CODE
SCALE 2:1		NUMBER
SHT. 1 OF 1		D UA M7903-0-0
NEXT HIGHER ASSY. B-00-M7903-0		REV
		N

PARTS LIST

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
1	1	D-CS-M7903-0-1	CIRCUIT SCHEMATIC	REF	
2	2	D-UA-M7903-0-0	UNIT ASSEMBLY	REF	
3	3	B-MH-M7903-0-6	MODULE HISTORY	REF	
4	4		M7903	1	
5	5	5011499-00		1	
6	6	1000010-00	39.0 MMF 100V 5%200PPM MICA	1	C104
7	7	1000013-00	62.0 MMF 100V 5%200PPM MICA	2	C101,C102
8	8	1001610-00	.01 MFD 50V +80-20% 25U CER	94	C1-C92,C106,C107
9	9	1001636-00	*** THIS ITEM IS NOT USED ***	-	
10	10	1002427-00	15.0 MMF 100V 5%200PPM MICA	1	C100
11	11	1012084-01	8 MFD 25V +75-10% AL EL	7	C93-C99
12	12	1000019-00	150.0 MMF 100V 5%200PPM MICA	1	C103
13	13	1100114-00	D 664 QS\75PCB PIV= 25V SP	1	D2
14	14	1105275-00	*** THIS ITEM IS NOT USED ***	-	
15	15	1110836-00	1N 759A VZ= 12.0 5% .40W	1	D1
16	16	1300295-00	330.0 .25 W 5.0 % CC	2	R5,R10
17	17	1300365-00	1.0 K .25 W 5.0 % CC	2	R15,R16
18	18	1300479-00	10.0 K .25 W 5.0 % CC	1	R17
19	19	1300496-00	15.0 K .25 W 5.0 % CC	1	R9
20	20	1301401-00	750.0 .25 W 5.0 % CC	4	R6,R7,R8,R11
21	21	1301874-00	5.60 K .25 W 5.0 % CC	6	R1,R2,R3,R4,R12,R13
22	22	1501913-00	2N 2904A FNP 600MW SI 60 40 Y	1	Q1
23	23	1510678-00	*** THIS ITEM IS NOT USED ***	-	
		1905547-00	7474 FF-D DUAL,EDGE TRIGG	10	E3,E12,E26,E28,E35,E42,E43,E44, E47,E54
24	24	1905575-00	7400 NAND GATE-QUAD 2IN	5	E6,E8,E37,E39,E48
25	25	1905576-00	7410 NAND GATE-TRIPLE 3IN	3	E15,E19,E39
26	26	1905577-00	7420 NAND GATE-DUAL 4INPU	1	E68
27	27	1909004-00	DEC 7402 NOR GATE-QUAD 2IN	5	E13,E17,E25,E41,E58
28	28	1909615-00	DEC 8271 SHIFT REG.,4BIT PARA	5	E65,E70,E85,E86,E87
29	29	1909686-00	7404 INVERTER GATE-HEX 1I	5	E16,E21,E34,E40,E60

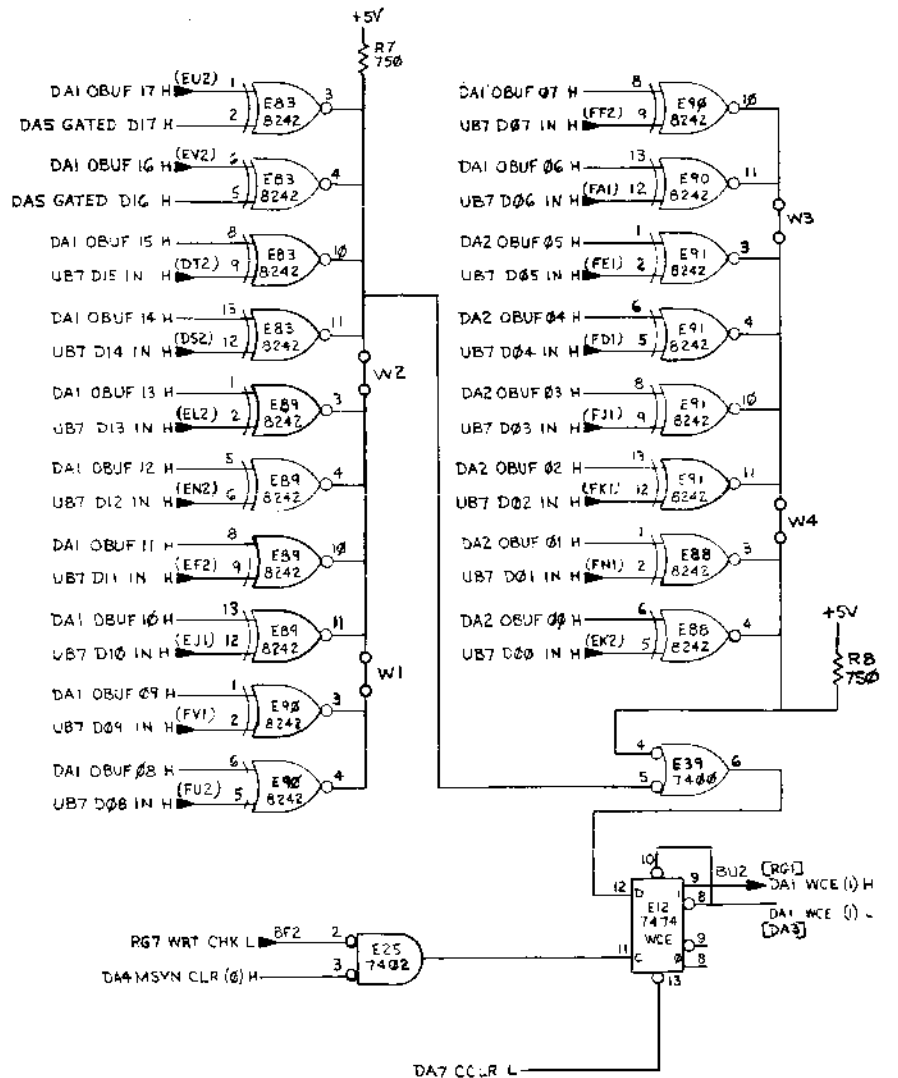
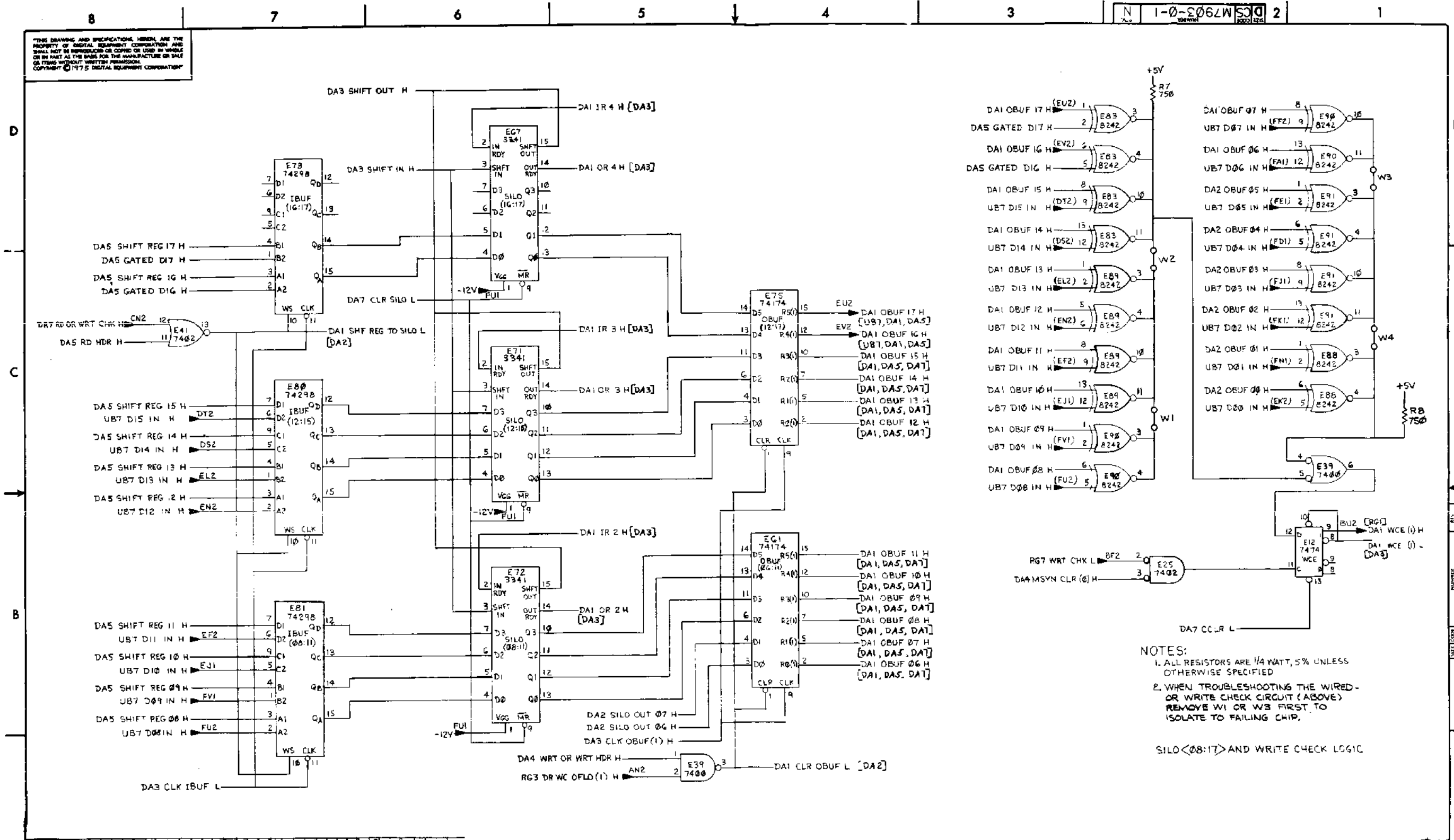
REVISION HISTORY		BASIC PART NO: M7903		DRN:	W.J.GREENE	DATE:	13-JUN-80	DIGITAL			
ENG:	ECO NUMBER	REV	SECTION A OF A	CHK'D:	H.DARAKJIAN	DATE:	13-JUN-80	PARTS LIST			
INC	M7903-ML010	N	SECTION VARIATION INDEX	DES.ENG:	T.F.FAVA <td>DATE:</td> <td>13-JUN-80 <td colspan="4">TITLE</td> </td>	DATE:	13-JUN-80 <td colspan="4">TITLE</td>	TITLE			
			[A] 00	RESP.ENG.:	T.F.FAVA <td>DATE:</td> <td>13-JUN-80 <td colspan="4">DOCUMENT NUMBER</td> </td>	DATE:	13-JUN-80 <td colspan="4">DOCUMENT NUMBER</td>	DOCUMENT NUMBER			
			[B]	MFG.ENG.:	C.E.POWELL <td>DATE:</td> <td>13-JUN-80</td> <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td>REV</td>	DATE:	13-JUN-80	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K	FL	M7903-0-DBF	N
			[D]	D-UA-M7903-0-0		#B-DD-M7903-0		FILE NAME:		Z1502N.PLS	EDIT
			[E]								5

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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30	1909712-00	DEC 8242 COMPARATOR-4BIT N,	5	E83,E88,E89,E90,E91
31	31	1910018-00	DEC 74193 COUNTER,SYNCHR. UP/D	3	E9,E51,E52
32	32	1910091-00	DEC 7437 AND GATE-QUAD 2IN,BU	1	E7
33	33	1910155-00	DEC 7408 AND GATE,POS.QUAD 2I	6	E11,E32,E45,E46,E50,E57
34	34	1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	4	E4,E5,E14,E49
35	35	1910532-00	74S00 NAND GATE-QUAD 2IN	1	E31
36	36	1910536-00	74S10 NAND GATE-TRIPLE 3IN	1	E36
37	37	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	3	E2,E22,E62
38	38	1910548-00	74S157 MUX 1 OF 2 (QUAD)	1	E78
39	39	1910650-00	74161 COUNTER,SYNCHR. UP	5	E18,E23,E63,E69,E74
40	40	1910651-00	DEC 74175 FF-D QUAD	1	E84
41	41	1910652-00	74174 FF-D HEX	3	E61,E75,E76
42	42	1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E1
43	43	1911271-00	74298 MUX 1 OF 4 W/STORA	5	E64,E73,E80,E81,E82
44	44	1911314-00	74120 DRIVER,PULSE SYNCHR	1	E27
45	45	1911712-00	74S51 AND-OR GATE-INVERT D	3	E29,E30,E33
46	46	1912647-00	LS257 MUX 1 OF 2 (QUAD)	4	E10,E20,E59,E79
47	47	23001D1-00	D1-01,D1-02 RO	1	E55
48	48	23002D1-00	D1-01,D1-02 RO	1	E56
49	49	1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	E53
50	50	2111188-00	3341 64X4 FIFO MEMORY	5	E66,E67,E71,E72,E77
51	51	1210711-02	HANDLE,MODULE,HEX	1	
52	52	9006732-00	EYELET,ROLLED FLANGE,.121 OD X	12	
53	53	9008185-00	*** THIS ITEM IS NOT USED ***	-	
54	54	9009185-00	JUMPER,WIRE,INSULATED,BLACK B	4	W1-W4
55	55	1000027-00	820.0 MMF 100V 5Z200PPM MICA	1	C105
56	56	1304838-00	43.0 K .25 W 5.0 % CC	1	R14
57	57	1300229-00	100.0 .25 W 5.0 % CC	1	R18
58	58	9107256-11	*** THIS ITEM IS NOT USED ***	-	
59	59	9007201-00	TRANSIPADS #10253	1	
60	60	9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
61	61	D-EC-5011499-0-0	ETCH CUT DRAWING	REF	
62	62	D-MD-5011499-0-0	DRILL AND ETCH DRAWING	REF	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RK611 DATA MODULE		K	FL	M7903-0-DBP	N

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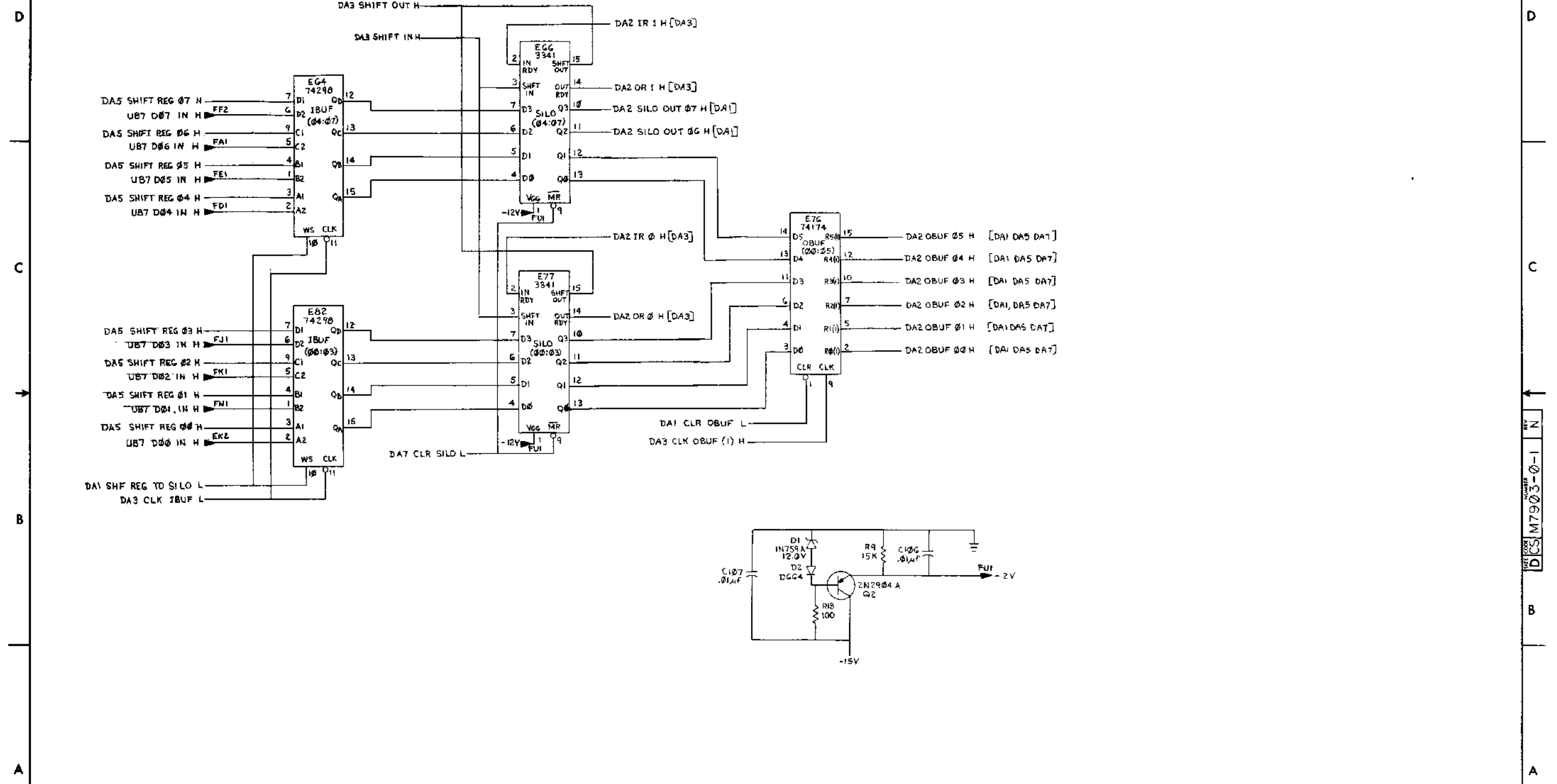


NOTES:
1. ALL RESISTORS ARE 1/4 WATT, 5% UNLESS OTHERWISE SPECIFIED
2. WHEN TROUBLESHOOTING THE WIRED-OR WRITE CHECK CIRCUIT (ABOVE) REMOVE W1 OR W3 FIRST TO ISOLATE TO FAILING CHIP.
SILO<08:17> AND WRITE CHECK LOGIC

REV.	DATE	BY	CHKD
1	13-MAY-75	D	
2	13-MAY-75	D	
3	13-MAY-75	D	
4	13-MAY-75	D	
5	13-MAY-75	D	
6	13-MAY-75	D	
7	13-MAY-75	D	
8	13-MAY-75	D	

DRN. No. 9	1-M-76	FIRST USED ON	RK611	digitel
CHK'D	15/11/76	TITLE	RK611 (DA1)	
ENG. T.F.F.A.H.	15/11/76	TITLE	DATA MODULE	
PROJ. ENG. J.P.H.	15/11/76			
PROD. J.P.H.	15/11/76			
NEXT HIGHER ASSY.		SIZE	CODE	NUMBER
D-UA-7903-0-0		D	CS	M7903-0-1
SCALE		DIST.		
SHEET 1	OF 7			

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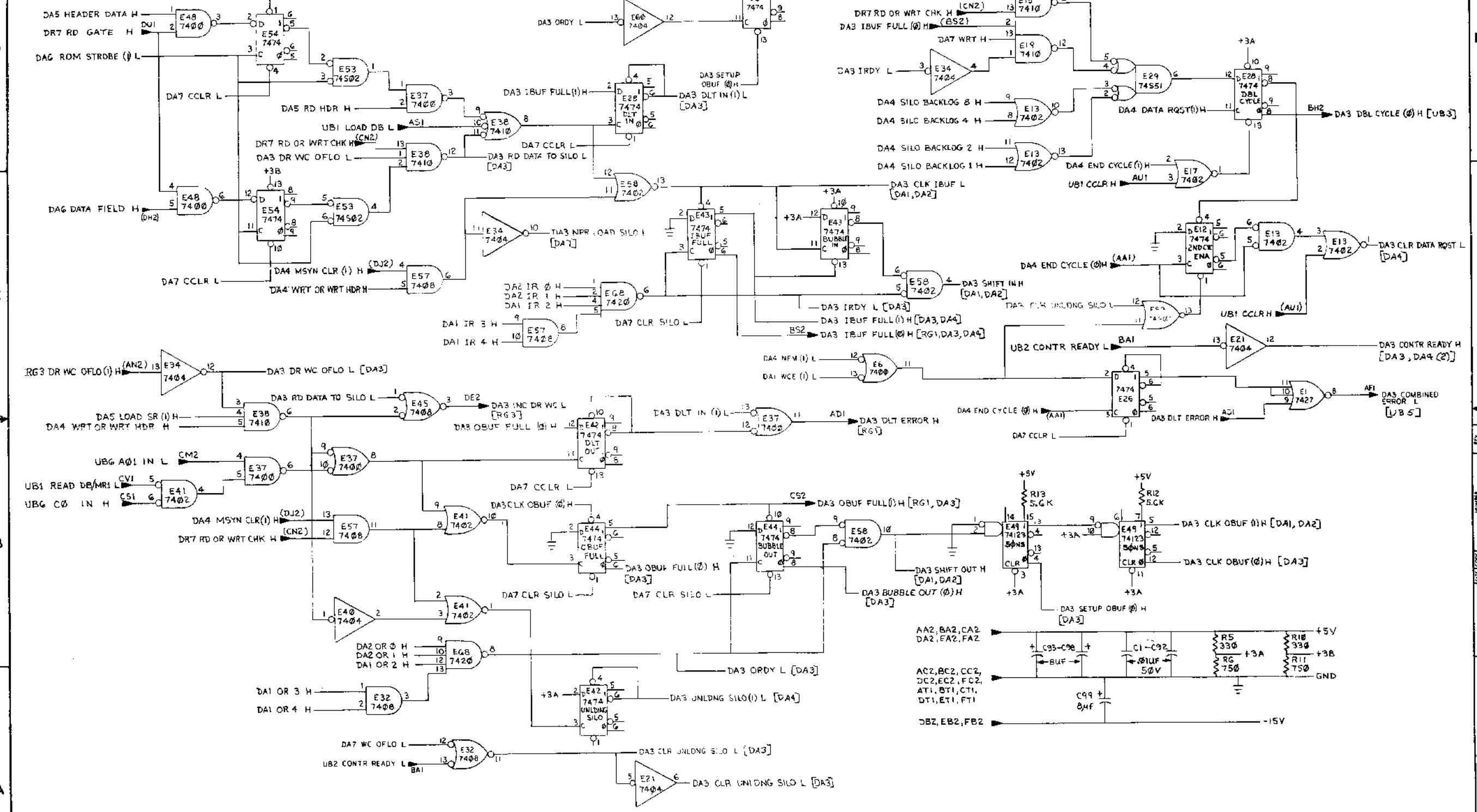


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	RK 611 DATA MODULE (DA2)	SIZE CODE	DCS	NUMBER	M7903-0-1	REV.	N
SCALE		SHEET	2 OF 7	DIST.			

SILO<00:07>

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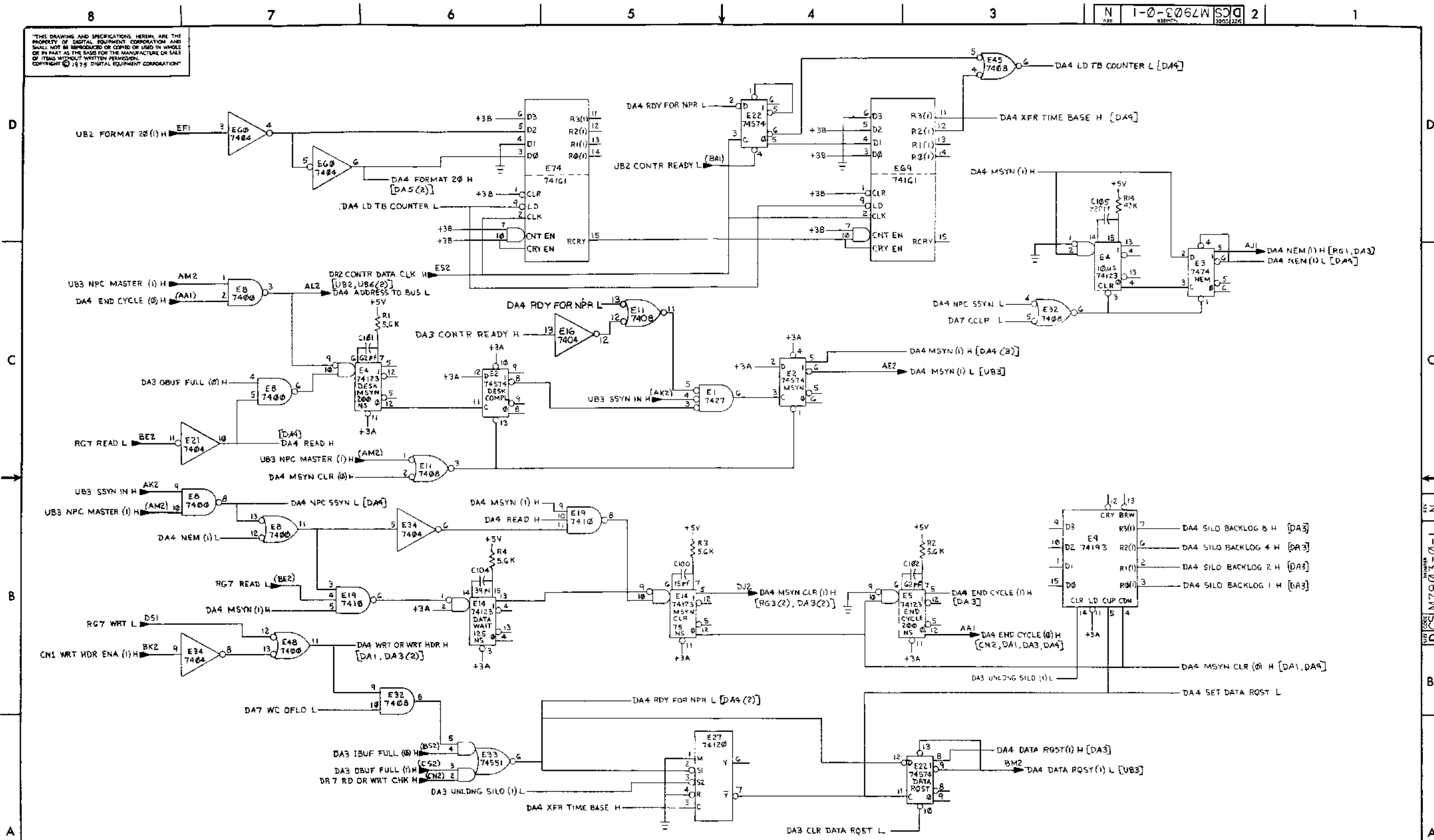


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SILO CONTROL AND DOUBLE CYCLE CONTROL	
RK 611 DATA MODULE		SIZE CODE	NUMBER
SCALE		D CS M7903-0-1	REV. N
SHEET 3 OF 7		DIST.	

REV. N
D CS M7903-0-1

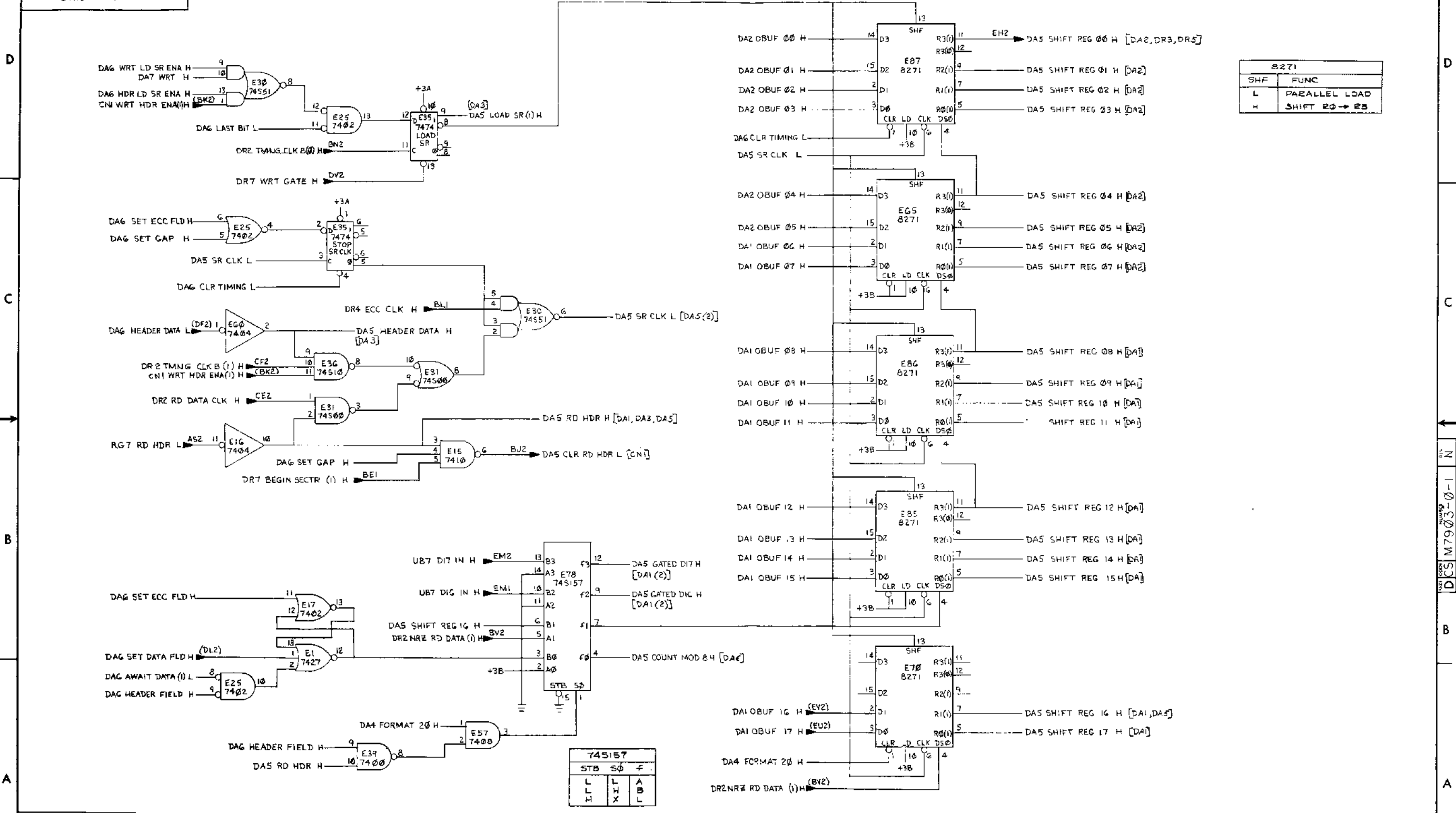
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REVISIONS		
CHK	CHANGE NO.	REV

TITLE		NPR CONTROL	
RK 611 DATA MODULE		NUMBER	REV.
D CS M7903-0-1		N	N
SCALE	SHEET 4 OF 7	DIST.	

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8271	
SHF	FUNC
L	PARALLEL LOAD
H	SHIFT EQ → ES

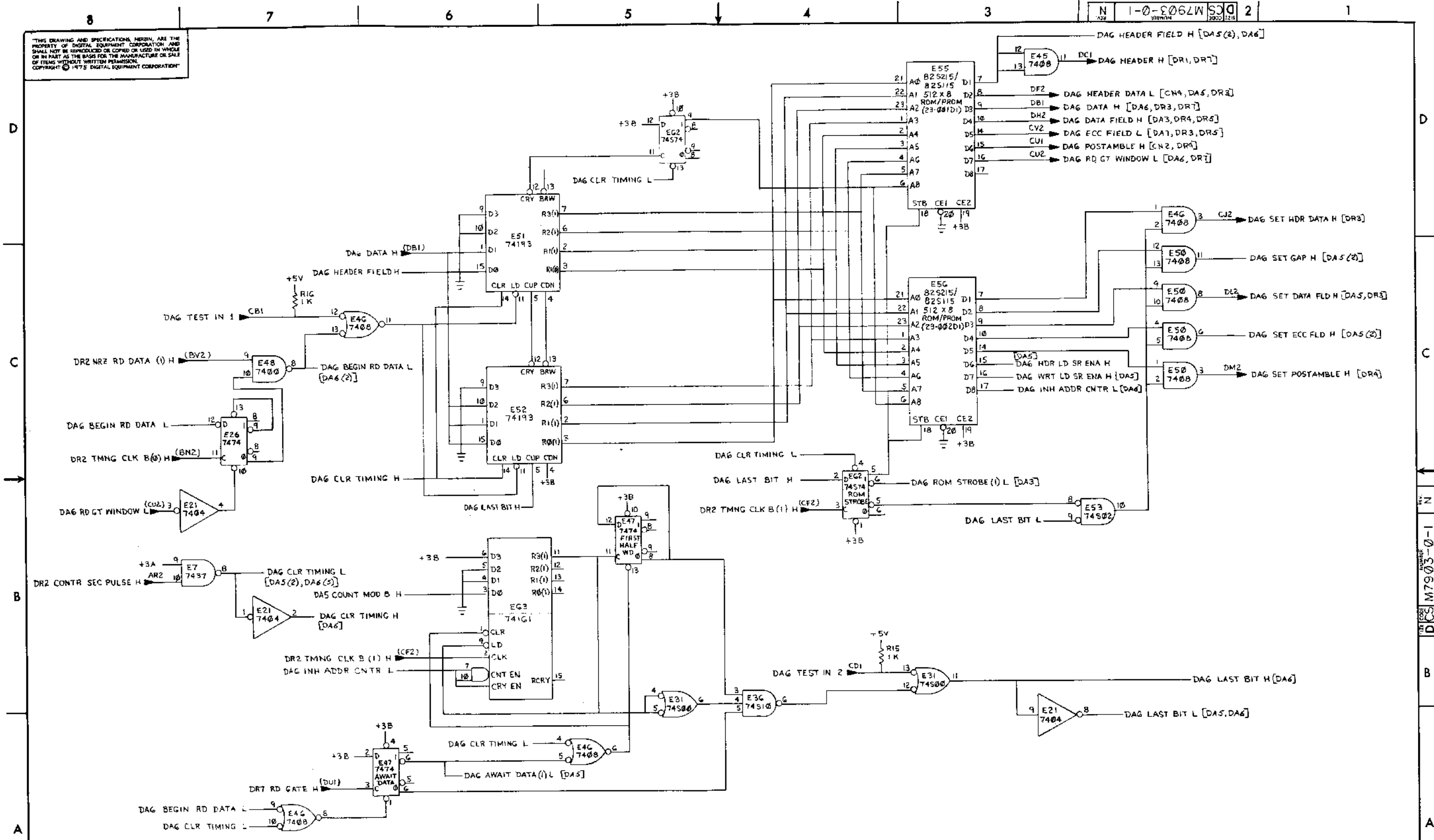
745157			
STB	S0	F	
L	L	A	B
H	H	X	L

REVISIONS		
CHK	CHANGE NO.	REV

DATA SHIFT REGISTER AND CONTROL

TITLE	(DA5)	SIZE/NO.	NUMBER	REV.
RK611 DATA MODULE		D CS	M7903-0-1	N
SCALE	1	SHEET	5 OF 7	DIST.

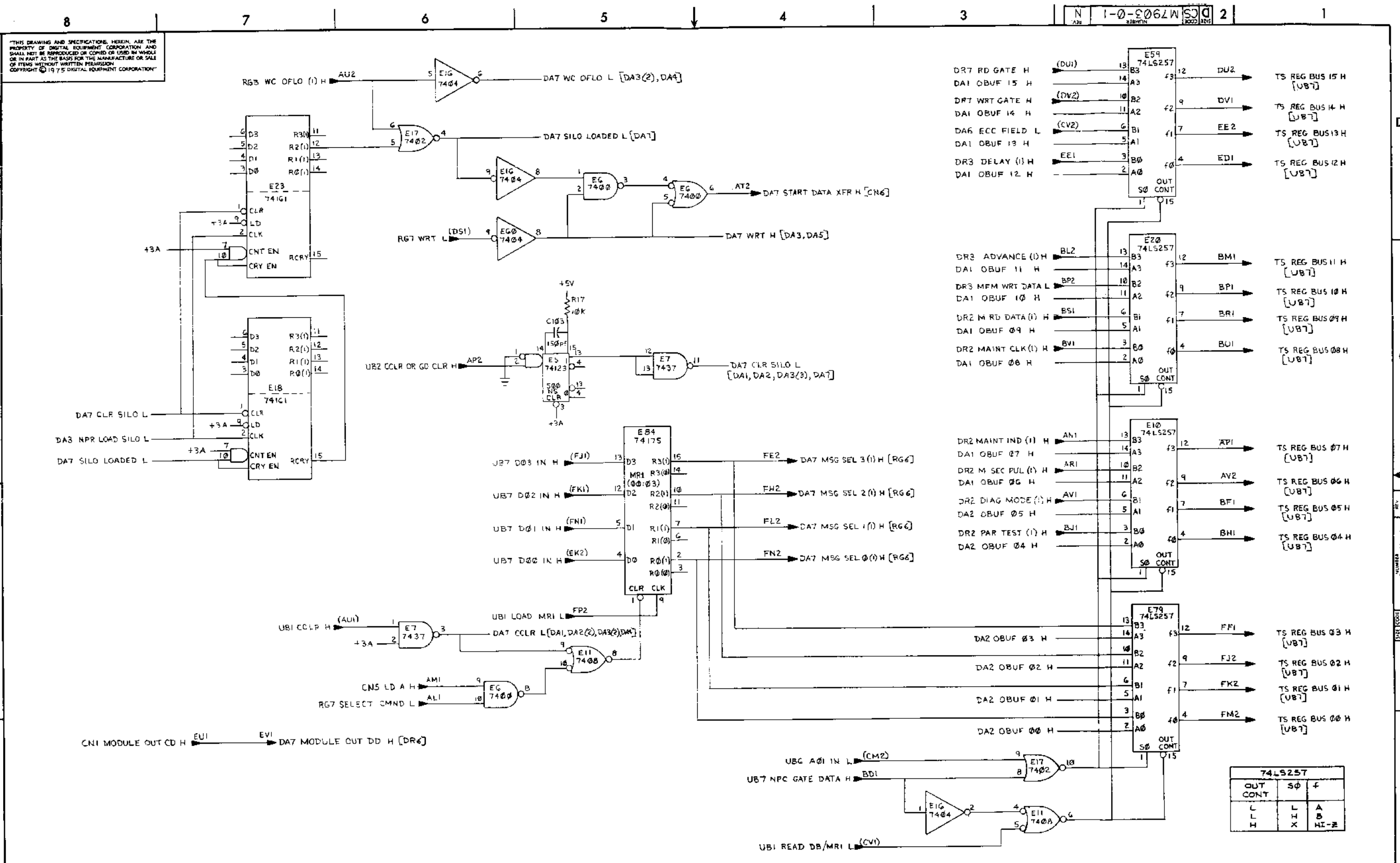
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REVISIONS		
CHK	CHANGE NO	REV.

TITLE	RK 611 DATA MODULE (DAG)	SIZE CODE	D CS	NUMBER	M7903-0-1	REV.	N
SCALE		SHEET	6 OF 7	DIST			

DCS M7903-0-1 N



REVISIONS			TITLE			NUMBER		REV.
CHK	CHANGE NO.	REV	RK 611 DATA MODULE (DA7)			SIZE CODE	NUMBER	N
						DCS	M7903-0-1	
			SCALE		SHEET 7	OF 7		

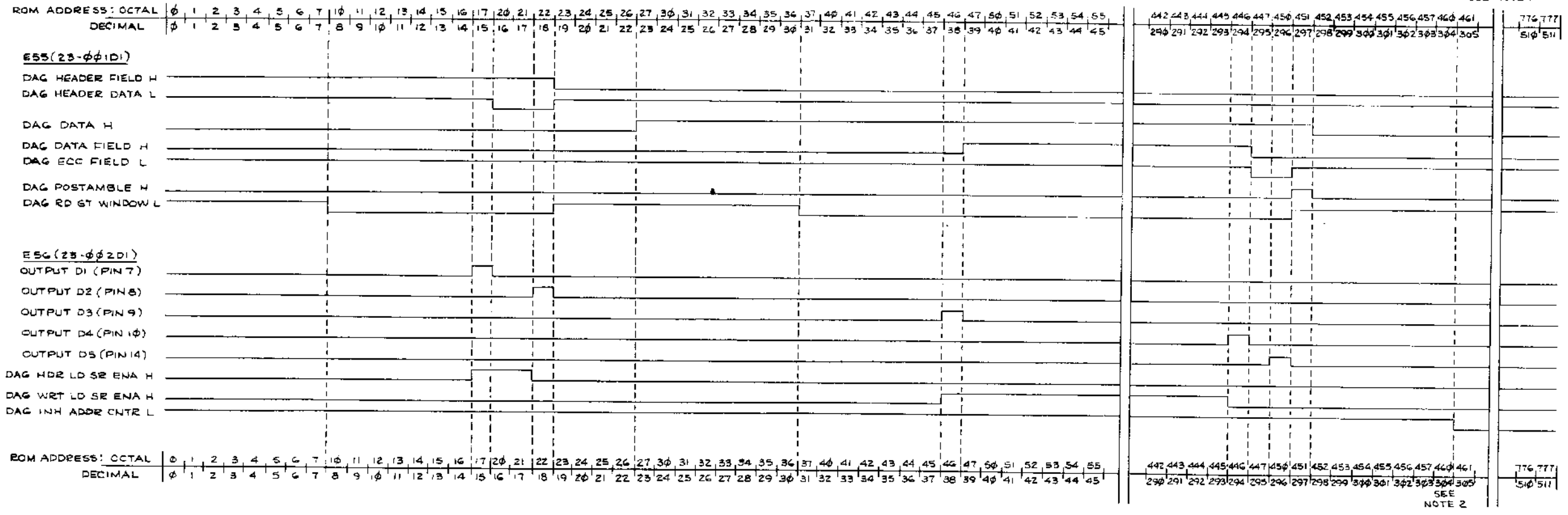
DCS M7903-0-1

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NOTES:
 1. ROM OUTPUTS DO NOT CHANGE DURING THESE INTERVALS
 2. WHEN FUNCTIONING PROPERLY, THE ROM ADDRESS COUNTER WILL NOT ADVANCE BEYOND ADDRESS 461₈ (305₁₀). NORMALLY THE COUNTER WILL BE RESET TO ADDRESS 0 BY SECTOR PULSE BEFORE REACHING ADDRESS 461₈

SEE NOTE 1

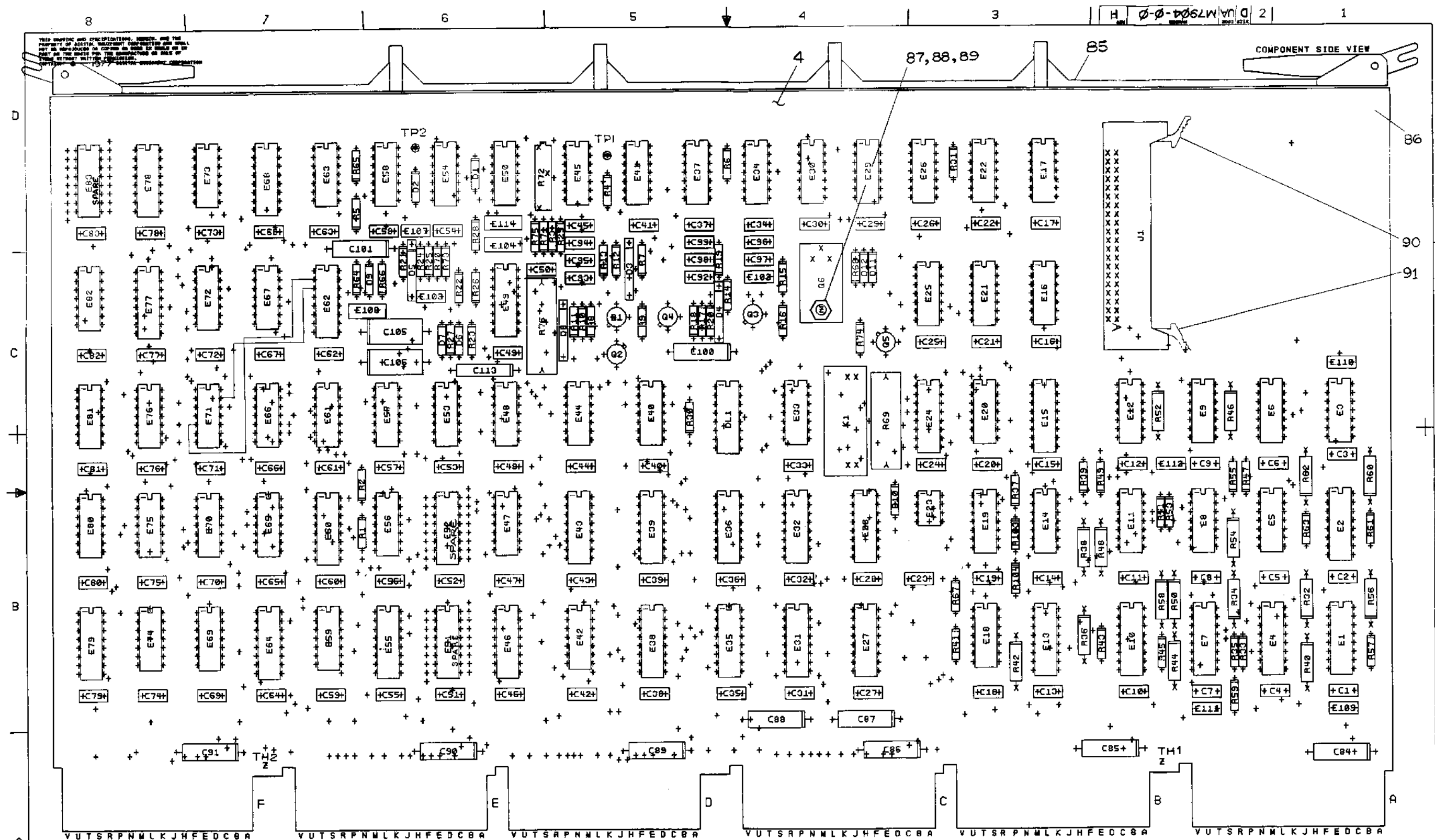
SEE NOTE 1



REV.	
CHG.	
CHK.	
REV.	

DRN. <i>W. K. Rose</i>	2/24/76	FIRST USED ON	RK611	digital
CHK'D. <i>R. W. ...</i>	1 MAR 76	TITLE	M7903	
ENG. <i>T. F. ...</i>	21 MAR 76		ROM TIMING	
PROJ. ENG. <i>D. ...</i>				
PROD. <i>...</i>				
NEXT HIGHER ASSY.				
B-DD-RK611-0		SIZE	CODE	NUMBER
SCALE		D	DTD	M7903-0-7
SHEET 1	OF 1	DIST.		

COMPONENT SIDE VIEW



- NOTES: REWORK ECO 7
1. CUT ETCH AT E62-3 SIDE 1
 2. CUT ETCH AT E62-2 SIDE 2
 3. ADD WIRE FROM E71-9 TO E62-2
 4. ADD WIRE FROM E71-13 TO E62-3
- REWORK ECO #9
1. SAME AS #1, 2 & 4 OF ECO #7
 2. REMOVE WIRE FROM E71-9 TO E62-2
 3. ADD WIRE FROM E71-5 TO E62-2

CHANGE NO	REV	DATE	BY	CHKD
M7904-E	F			
M7904-M17	F			
M7904-M18	F			
M7904-M19	H			
M7904-M20	H			
M7904-M21	H			
M7904-M22	H			
M7904-M23	H			
M7904-M24	H			
M7904-M25	H			
M7904-M26	H			
M7904-M27	H			
M7904-M28	H			
M7904-M29	H			
M7904-M30	H			
M7904-M31	H			
M7904-M32	H			
M7904-M33	H			
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M7904-M36	H			
M7904-M37	H			
M7904-M38	H			
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M7904-M44	H			
M7904-M45	H			
M7904-M46	H			
M7904-M47	H			
M7904-M48	H			
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M7904-M68	H			
M7904-M69	H			
M7904-M70	H			
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M7904-M72	H			
M7904-M73	H			
M7904-M74	H			
M7904-M75	H			
M7904-M76	H			
M7904-M77	H			
M7904-M78	H			
M7904-M79	H			
M7904-M80	H			
M7904-M81	H			
M7904-M82	H			
M7904-M83	H			
M7904-M84	H			
M7904-M85	H			
M7904-M86	H			
M7904-M87	H			
M7904-M88	H			
M7904-M89	H			
M7904-M90	H			
M7904-M91	H			
M7904-M92	H			
M7904-M93	H			
M7904-M94	H			
M7904-M95	H			
M7904-M96	H			
M7904-M97	H			
M7904-M98	H			
M7904-M99	H			
M7904-M100	H			

ETCH REV. D	P.C. DESIGN DATA BASE REV. D-P2
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SIGNATURES	DATE	TITLE	SIZE	CODE	NUMBER	REV
DRN. J. CARTER	3-30-77	digital	0	UA	M7904-0-0	H
CHK'D. <i>[Signature]</i>	25 AUG 77	RK611				
ENG. <i>[Signature]</i>	13 SEP 77	DRIVE INTERFACE				
PROJ. ENG. <i>[Signature]</i>	13 SEP 77					
PROD.						
SCALE 2/1						
SMT. 1 OF 1						
NEXT HIGHER ASSY. RK611						

LINE	REV	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1	D-DB-M7904-0-1		RK611 DRIVE INTERFACE (C.S.)		REF	
2	2	D-DB-M7904-0-5		ASSY/DRILLING HOLE LAYOUT		REF	
3	3	D-DB-M7904-0-6		MODULE ECO HISTORY		REF	
4	4		5011709-00	M7904		1	
5	5		1000015-00	82.0 MMF 100V 5%200PPM MICA		1	C107
6	6		1000020-00	180.0 MMF 100V 5%200PPM MICA		1	C108
7	7		1000050-00	.033 MFD 100V 10% NYLR		1	C105
8	8		1001610-01	.01 MFD50/100V +80-20% DISC		85	C5,C6,C9,C11,C12,C15-C83, C92-C99,C109-C111
9	9		1001739-00	27.0 MMF 100V 5%200PPM MICA		1	CONT C104
10	10		1002323-00	.022 MFD 100V 10% NYLR		1	C106
11	11		1005306-00	6.8MFD 35V 10% S.TANT		3	C100,C101,C113
12	12		1010274-00	.22 MFD 50V +80-20% Z5U CER		10	C1-C4,C7,C8,C10,C13,C14,C112
13	13		1010973-36	.1 MFD 50V 10% CER		2	C102,C103
14	14		1012034-01	8 MFD 25V +75-10% AL EL		8	C84-C91
15	15		1105275-00	D 672 TR= 15NS PIV= 60V SI		6	D1,D2,D6,D7,D9,D11
16	16		1105796-00	1N 4004 PIV=400 I= 1A D041 SP		1	D10
17	17		1110488-00	1N 4733 VZ= 5.1 10% 1W N		1	D12
18	18		1110994-00	1N 751A VZ= 5.1 5% .40W		4	D3-D5,D8
19	19		1209941-02	HEADER 100 40POS RT ANGLE		1	J1
20	20		1210397-00	RLY,REED, 6V COIL,SPST,.50A		1	K1
21	21		1300229-00	100.0 .25 W 5.0 % CC		4	R9,R10,R16,R18
22	22		1300271-00	220.0 .25 W 5.0 % CC		1	R30
23	23		1300295-00	330.0 .25 W 5.0 % CC		2	R1,R104
24	24		1300316-00	470.0 .25 W 5.0 % CC		3	R4,R26,R68
25	25		1300365-00	1.0 K .25 W 5.0 % CC		12	R6,R7,R12-R15,R19,R31,R65,R67, R70,R73
26	26		1309413-00	3.83 K .25 W 1.0 % RN55D-F10		2	CONT R25,R75
27	27		1300439-00	3.30 K .25 W 5.0 % CC		1	R28
28	28		1300444-00	3.90 K .25 W 5.0 % CC		3	R11,R20,R74

REVISION HISTORY		BASIC PART NO: M7904		DRN:	D. BENNETT	DATE:	19-AUG-80	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	HAROLD DARAKIAN	DATE:	19-AUG-80	PARTS LIST			
MC	M7904-ML007	H	SECTION VARIATION INDEX					TITLE			
			[A] 00					RK611 DRIVE INTERFACE			
			[B]					DOCUMENT NUMBER			
			[C]					RESP. ENG.: T. FAVA			
			[D]					DATE: 19-AUG-80			
			[E]					MFG. ENG.: C. FOWELL			
			[F]					DATE: 19-AUG-80			
			[G]					SIZE	CODE	NUMBER	REV
			[H]					K	PL	M7904-0-DBP	H
			[I]					ASSEMBLY NUMBER:			
			[J]					TOP DOCUMENT NUMBER:			
			[K]					FILE NAME:			
			[L]					Z1575H.PLS			
			[M]					EDIT #:			
			[N]					6			

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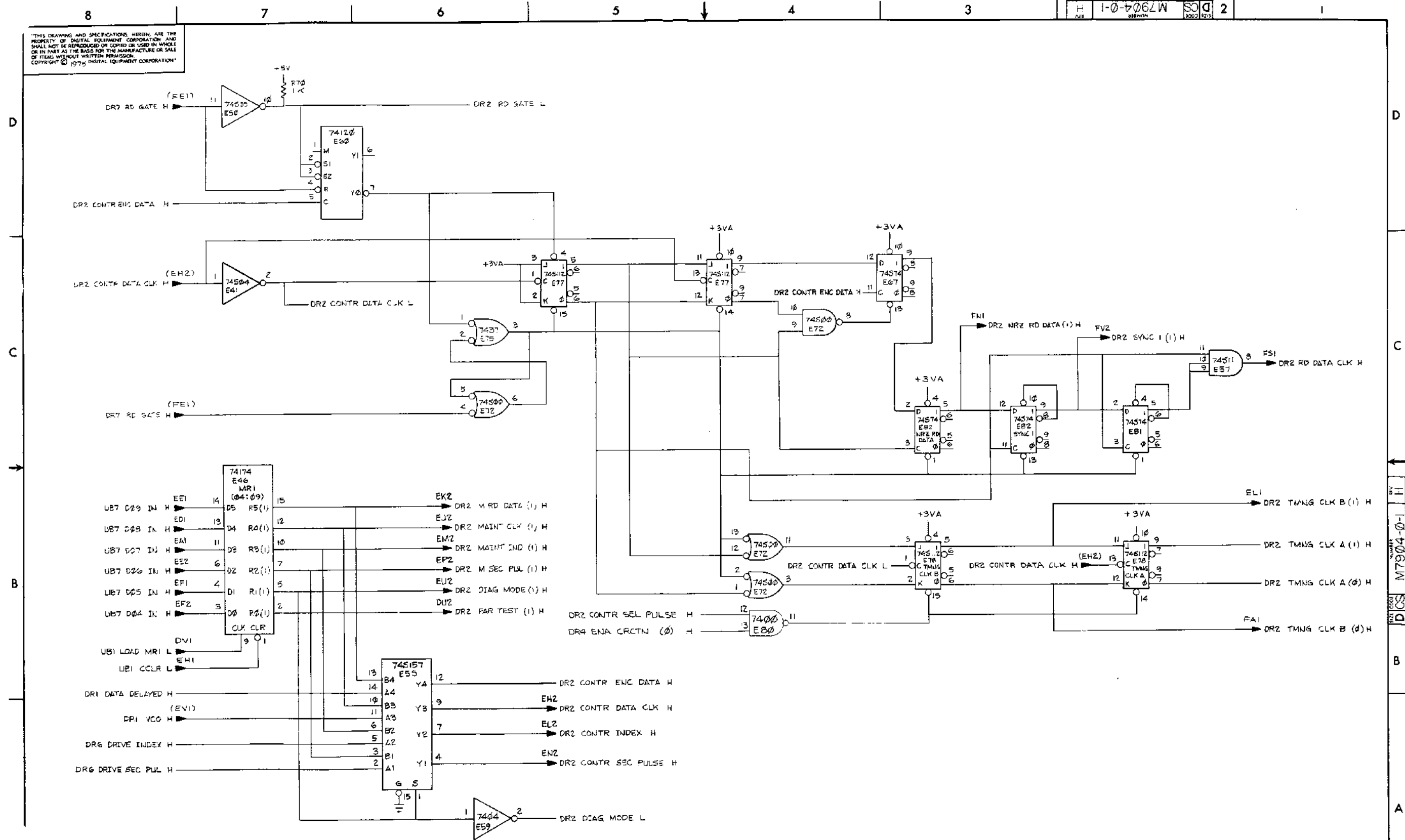
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
				00		
29	29	1300479-00	10.0 K .25 W 5.0 % CC	1		R71
30	30	1300488-00	12.0 K .25 W 5.0 % CC	1		R29
31	31	1301322-00	180.0 .25 W 5.0 % CC	1		R27
32	32	1301401-00	750.0 .25 W 5.0 % CC	2		R2,R103
33	33	1301477-00	82.0 .25 W 5.0 % CC	16		R33,R35,R37,R39,R41,R43,R45,R47, CONT R51,R53,R55,R57,R59,R61,R63,R49 R8,R17,R21
34	34	1301775-00	820.0 .25 W 5.0 % CC	3		R32,R34,R36,R38,R40,R42,R44,R46, CONT R48,R50,R52,R54,R56,R58,R60,R62 R66
35	35	1301781-00	82.0 .50 W 5.0 % CC	16		R22
36	36	1302177-00	47.0 K .25 W 5.0 % CC	1		R24
37	37	1302612-00	1.78 K .25 W 1.0 % RN55D-F10	1		R23
38	38	1303114-00	1.0 K .25 W 1.0 % RN55D-F10	1		R72
39	39	1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1		R69
40	40	1309143-07	1.0 K .75 W 10.0 % POT	1		R3
41	41	1309994-00	36.0 2.0 W 5.0 % CC	1		R5
42	42	1302955-00	750.0 .25 W 1.0 % RN55D-F10	1		Q5
43	43	1302871-00	1.21 K .25 W 1.0 % RN55D-F10	1		Q1,Q2
44	44	1503014-00	DEC 3646 NPN 200MW SI 15 5 30	1		Q3,Q4
45	45	1503029-00	2N 3640 PNP 200MW SI	2		Q6
46	46	1503100-00	DEC3009B NPN 200MW SI 20 25	2		DL1
47	47	1510708-01	D 45H8CFNP 50WT SI 60 60 Y	1		E6,E9,E54,E61,E71
48	48	1610033-00	DELAY= 10-100NS,10TAPS	1		E47,E70,E80
49	49	1905547-00	7474 FF-D DUAL,EDGE TRIGG	5		E74
50	50	1905575-00	7400 NAND GATE-QUAD 2IN	3		E20,E33
51	51	1905576-00	7410 NAND GATE-TRIPLE 3IN	1		E22
52	52	1905577-00	7420 NAND GATE-DUAL 4INPU	2		E40
53	53	1905578-00	7430 NAND GATE-SINGLE 8IN	1		E59
54	54	1909004-00	DEC 7402 NOR GATE-QUAD 2IN	1		E79
55	55	1909686-00	7404 INVERTER GATE-HEX 1I	1		E3
56	56	1909936-00	74151 MUX 1 OF 8	1		E17,E29,E42
57	57	1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	1		E75
58	58	1910041-00	DEC 74164 SHIFT REG.,8BIT SERI	3		E28,E32,E36,E39
59	59	1910091-00	DEC 7437 AND GATE-QUAD 2IN,RU	1		E30
60	60	1910096-00	DEC 74191 COUNTER,SYNCHR, UP/D	4		E5,E8,E11,E14,E18
61	61	1910155-00	DEC 7408 AND GATE,POS,QUAD 2I	1		E62
62	62	1910268-00	DEC 75107B RECEIVER,LINE,DUAL,	5		E34,E69,E72
63	63	1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	1		E19,E41
64	64	1910532-00	74S00 NAND GATE-QUAD 2IN	3		E50
65	65	1910534-00	74S04 INVERTER GATE-HEX 1I	2		E65,E66
66	66	1910535-00	74S05 INVERTER GATE-HEX 1	1		E57
67	67	1910536-00	74S10 NAND GATE-TRIPLE 3IN	2		E37,E58,E63,E73
68	68	1910537-00	74S11 AND GATE-TRIPLE 3INP	1		E12,E44,E67,E81,E82
69	69	1910542-00	74S64 A-O-I GATE 4-2-3-2	4		E64,E77,E78
70	70	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	5		E55
71	71	1910545-00	74S112 FF-JK DUAL,EDGE TRIG	3		E43
72	72	1910548-00	74S157 MUX 1 OF 2 (QUAD)	1		E15,E24,E68
73	73	1910650-00	74161 COUNTER,SYNCHR, UP	1		
74	74	1910651-00	DEC 74175 FF-D QUAD	3		

D	I	G	I	T	A	L	TITLE	SECTION	OF	SIZE	CODE	DOCUMENT NUMBER	REV
							RK611 DRIVE INTERFACE	A	A	K	PL	M7904-0-DBP	H

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
75	75	1910652-00	74174 FF-D HEX	1	E46
76	76	1910878-00	7427 NOR GATE-TRIPLE 3IN	3	E16,E26,E48
77	77	1911036-00	75453 DRIVER,PERIPH,DUAL,	1	E23
78	78	1911314-00	74120 DRIVER,PULSE SYNCHR	1	E60
79	79	1911341-00	75113 DRIVER,LINE,DUAL,MA	6	E1,E2,E4,E7,E10,E13
80	80	1911712-00	74851 AND-OR GATE-INVERT D	2	E56,E76
81	81	1911911-00	DEC 74S124 OSCILLATOR,DUAL VOLT	1	E49
82	82	1912647-00	LS257 MUX 1 OF 2 (QUAD)	4	E27,E31,E35,E38
83	83	1910268-01	DEC 75107B-01 RECEIVER,LINE,DUA	1	E45
84	84	SPARES	IC SPARES	3	E51,E83,E52
85	85		1216988-02	HANDLE,MODULE,HEX TWO EJECTORS	
86	86	9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	
87	87	9006010-04	SCREW,BIND,SLOT, 4-40X 5/16	1	
88	88	9006557-00	NUT,REP , 4-40X 1/4 AF	1	
89	89	BLANK	COMPOUND, THERMAL JOINT	A/R	
90	90	1209941-03	HEADER RT ANGLE LEFT L	1	
91	91	1209941-04	HEADER RT ANGLE,RIGHT	1	
92	92	1302394-00	30.0 K .25 W 5.0 % CC	1	R64
93	104	9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
94	94	1300243-00	*** THIS ITEM IS NOT USED ***	-	
95	95	1300249-00	*** THIS ITEM IS NOT USED ***	-	
96	96	9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
97	97	1304832-00	130.0 2.0 W 5.0 % CC	1	R76
98	98	1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	E21
99	99	1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	E53
100	100	1912829-00	LS86 X-OR GATE-QUAD 2IN	1	E25
101	101	B-DD-7012603-0	7012603-00	REF	
102	102		9006735-00	2	TP1,TP2
103	103		1000005-00	A/R	
104	103		1000006-00	A/R	
105	105	D-UA-M7904-0-0	UNIT ASSY	REF	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RK611 DRIVE INTERFACE		K	PL	M7904-0-DRP	H

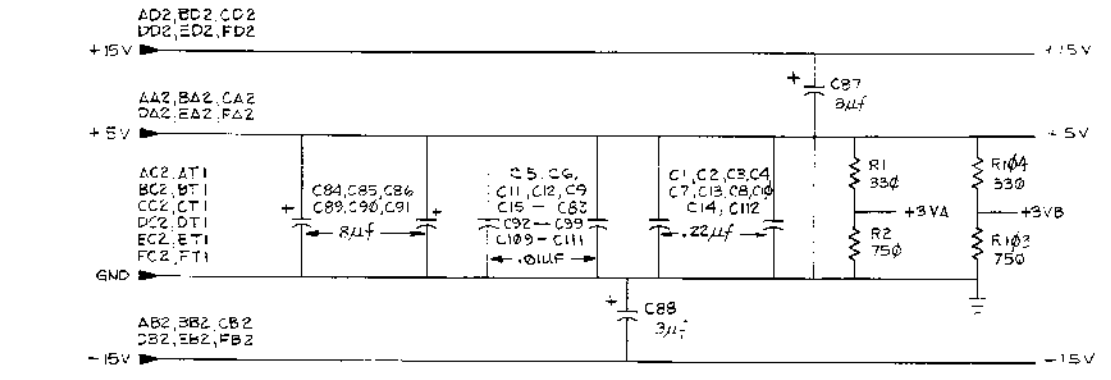
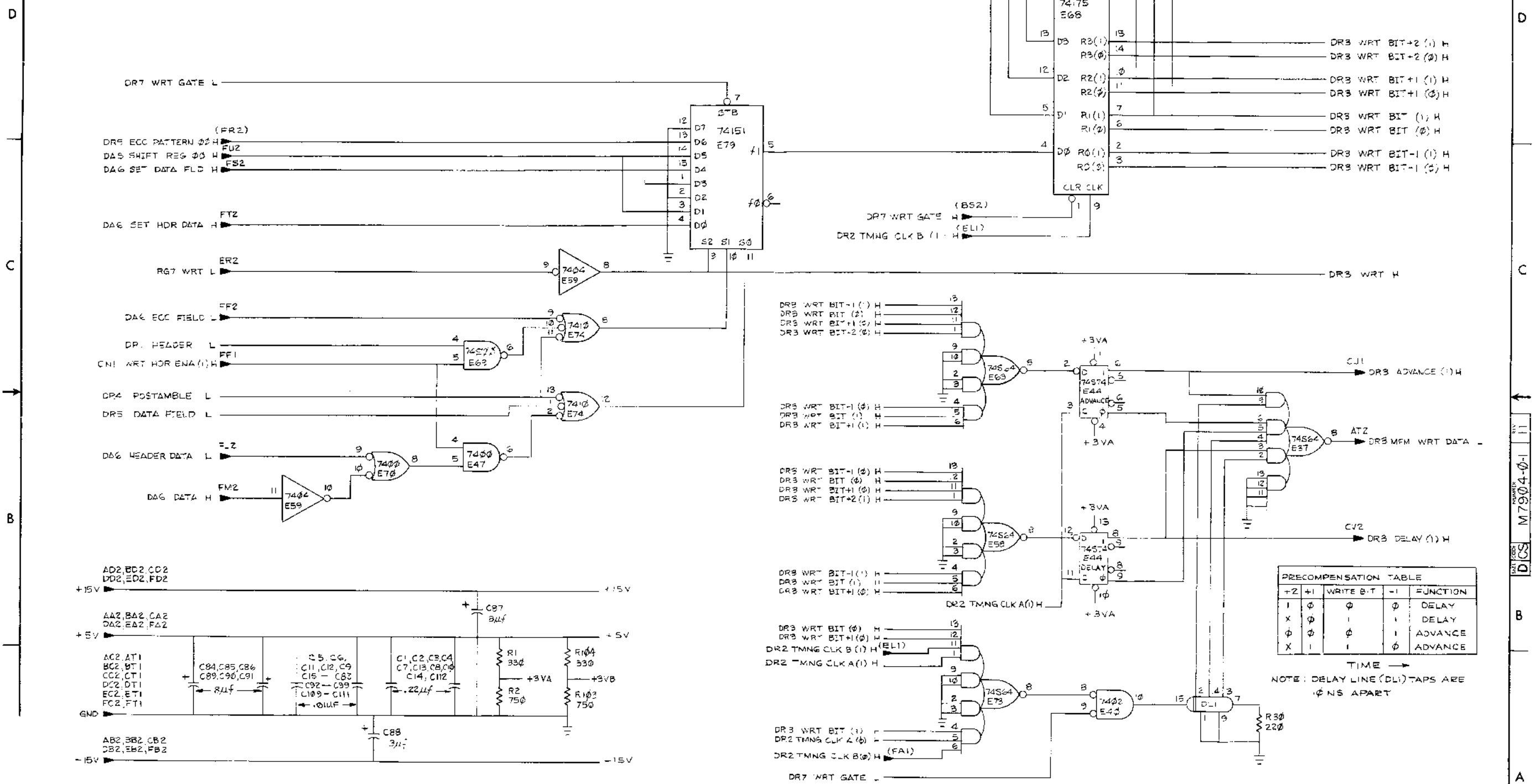
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		DATA SEPARATOR/MRI	
RK611 (DR2)		SIZE CODE	NUMBER
DRIVE INTERFACE		DCS	M7904-0-1
SCALE	SHEET	OF	DIST.
	2	8	

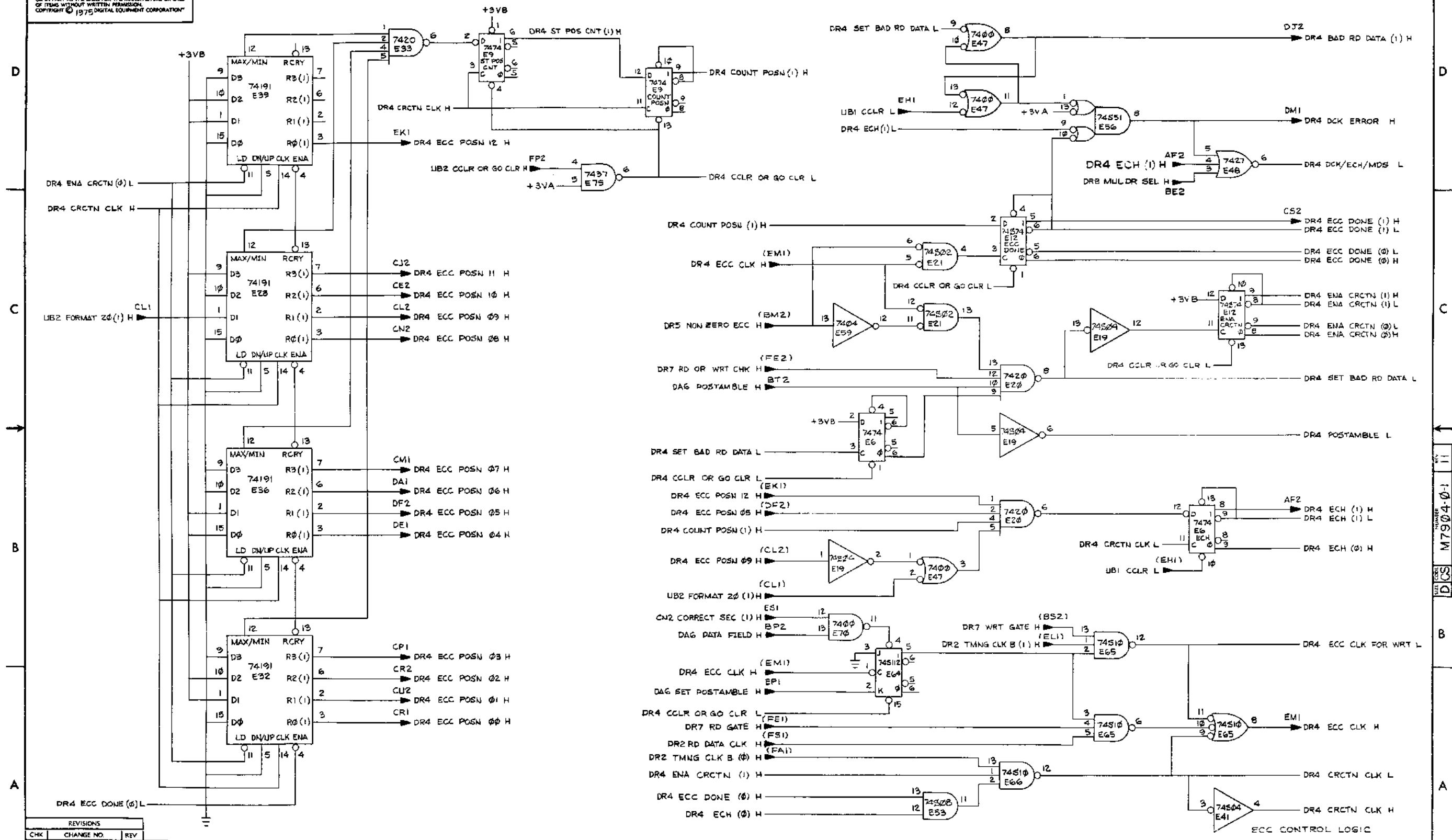
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REVISIONS

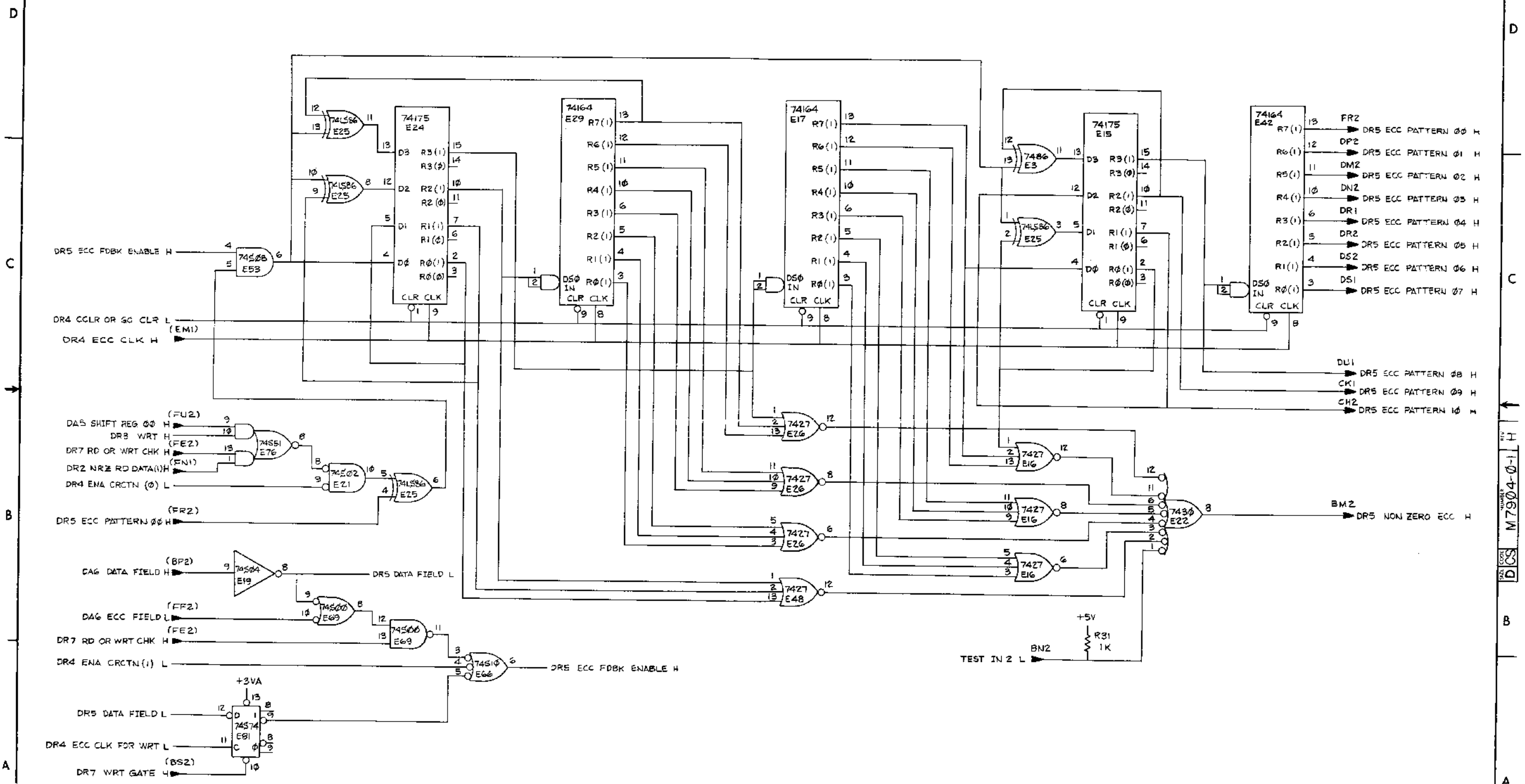
CHANGE NO	REV.

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REVISIONS		
CHK	CHANGE NO.	REV

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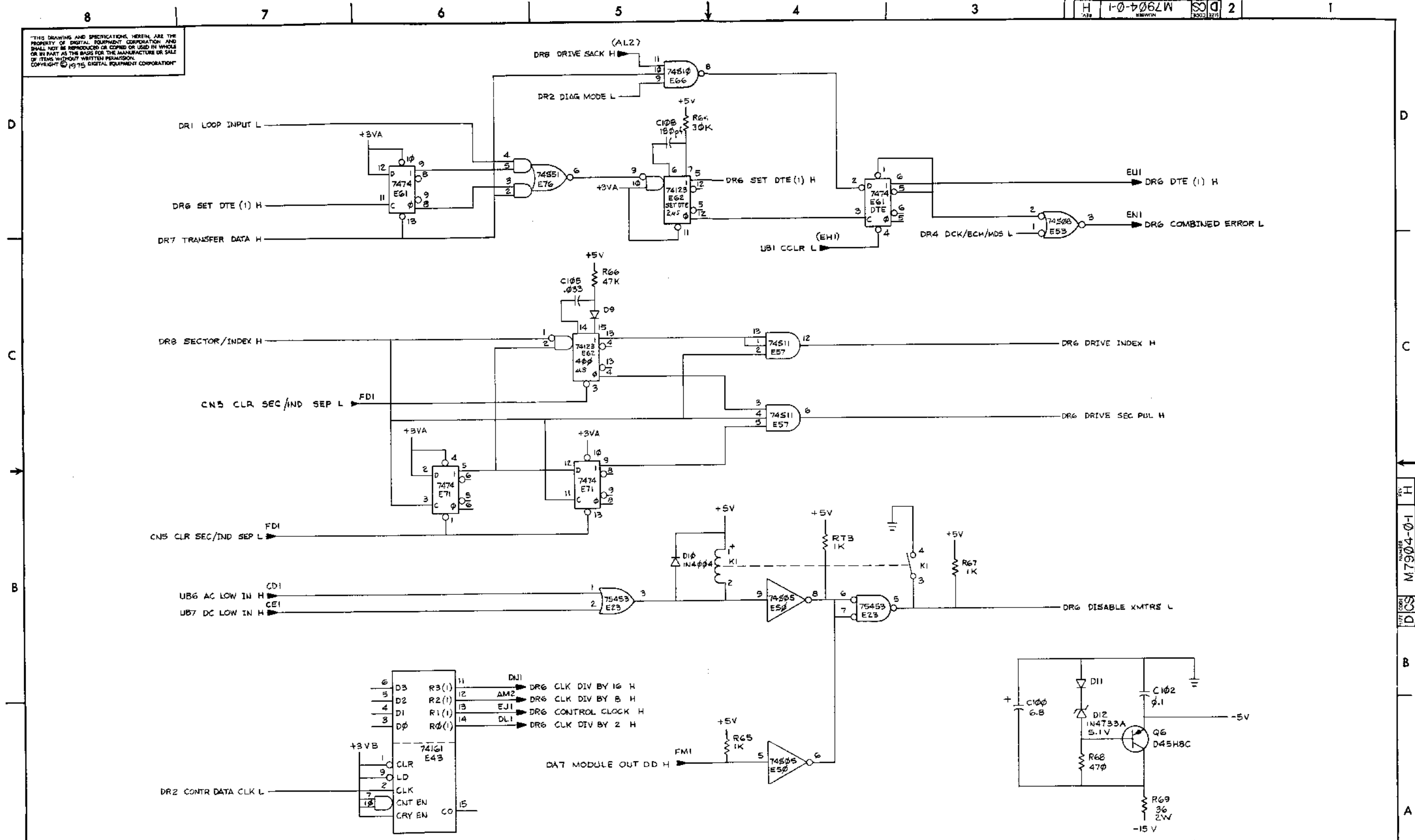


REVISIONS	CHANGE NO.	REV

ECC POLYNOMIAL GENERATOR

TITLE	RK611 (DR5) DRIVE INTERFACE	SIZE CODE	D CS	NUMBER	M7904-0-1	REV.	H
SCALE		SHEET	5 OF 8	DIST.			

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INTERFACE TRANSMITTER DISABLE, SECTOR/INDEX SEPARATOR AND DTE DETECT

REV.	CHANGE NO.	REVISIONS

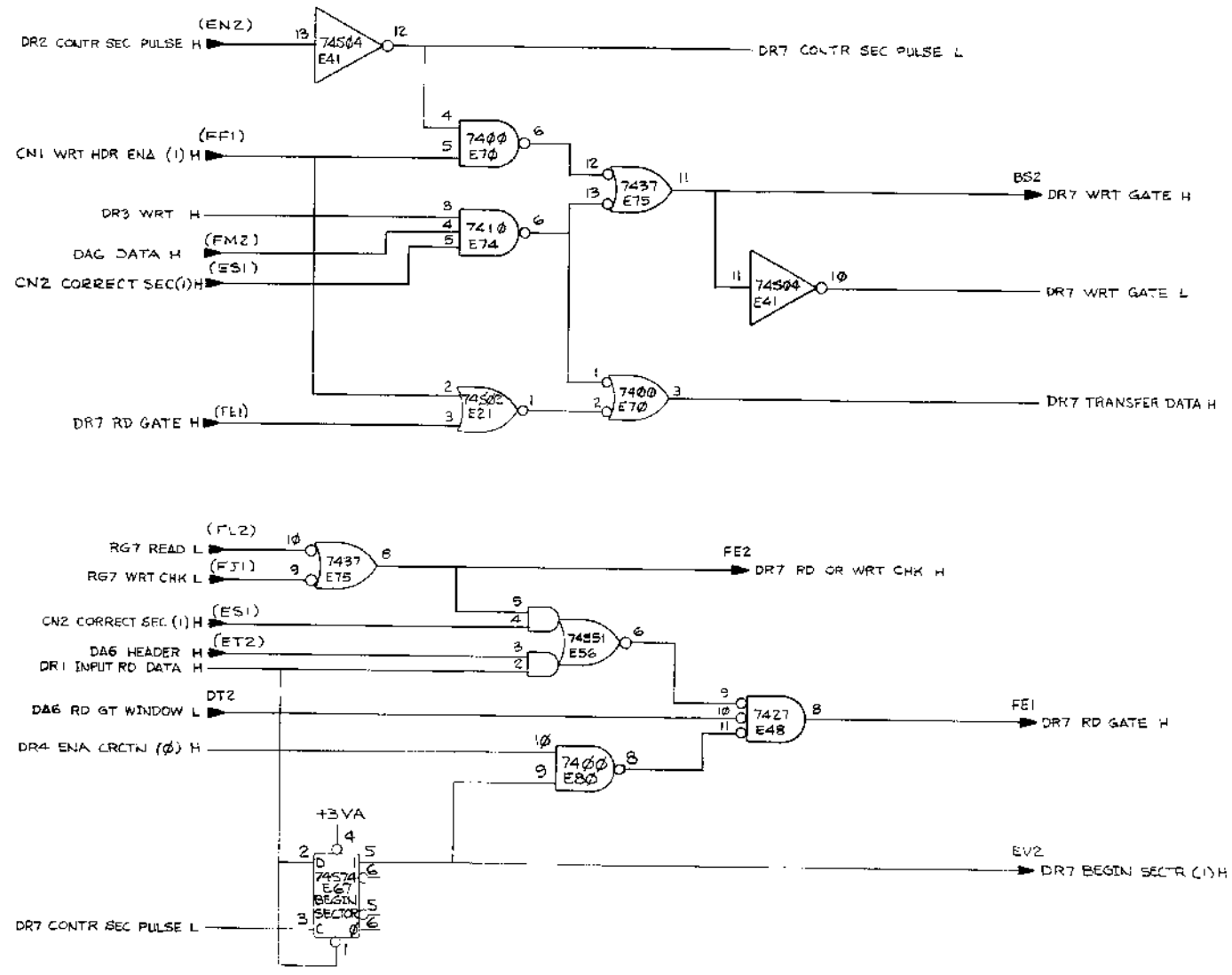
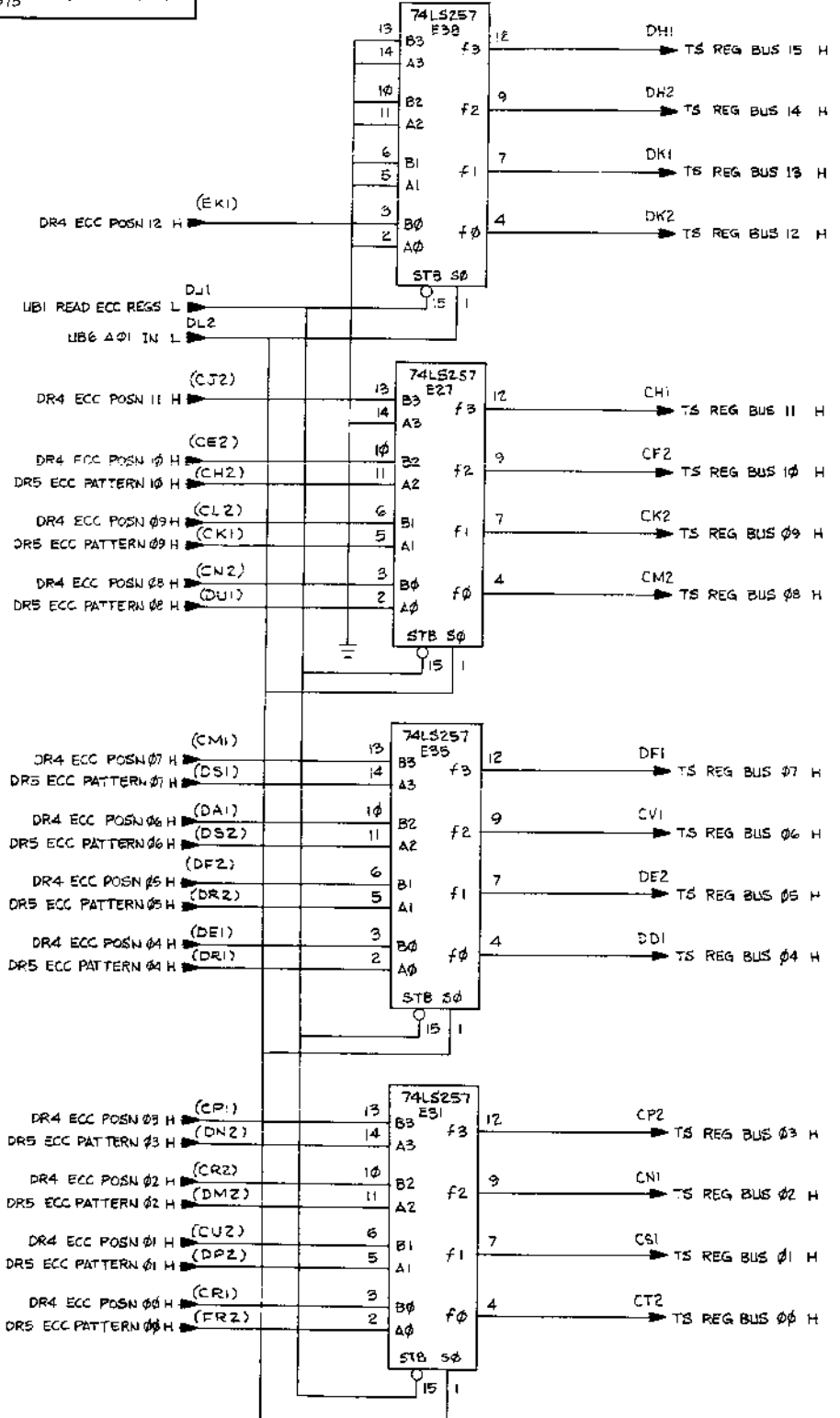
TITLE	RK611 (DR6)	SIZE CODE	DCS	NUMBER	M7904-0-1	REV.	H
SCALE	1:1	SHEET	6 OF 8	DIST.			

DCS M7904-0-1 H
 NUMBER
 DCS M7904-0-1 H

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D
C
B
A

D
C
B
A

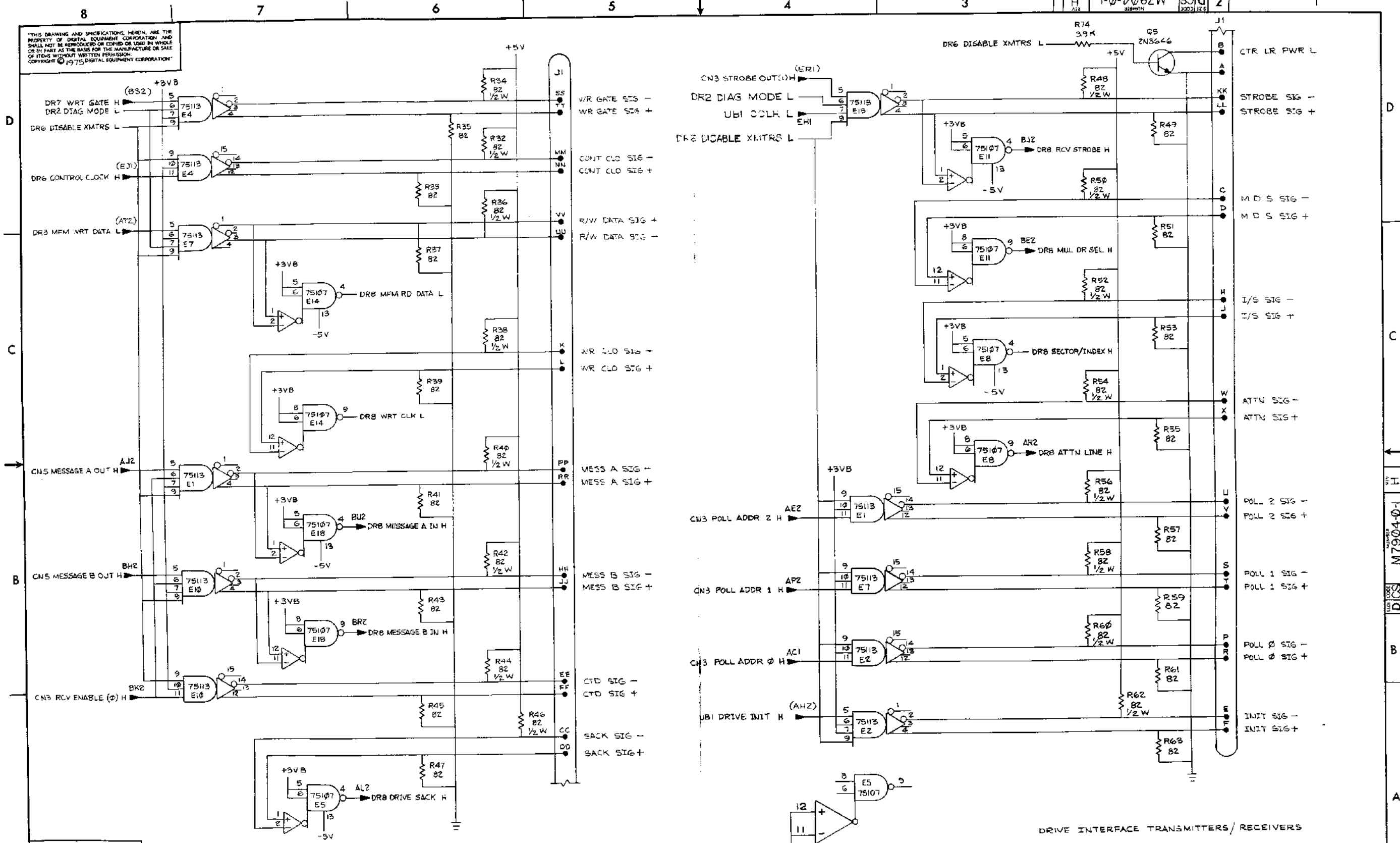


74LS257		
STB	S0	f
L	L	A
L	H	B
H	X	HI-Z

RD GATE, WRT GATE, AND ECC REGS MULTIPLEXER

REVISIONS	
CHANGE NO.	REV.

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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	RK611 (DR8)	SIZE CODE	D CS	NUMBER	M7904-0-1	REV.	1
SCALE	/ /	SHEET	8 OF 8	DIST			

DCS M7904-0-1

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

QUANTITY / VARIATION

MADE BY F. Carberry

DATE 30 MAR 76

ENG T.F.FIVA

DATE 30 APR 76

CHECKED *F. Carberry*
DATE 30 APR 76

SECTION 1

PROD *Placed*
DATE 30 APR 76

ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY	VARIATION														
1	E-UA-RK611-0-0	RK06 CONTROLLER	1															
2	MP00105	FIELD MAINTENANCE PRINT SET	1															
3	23-752A9	ROM	1															
4	9906228	BOX	1															

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
SHIPPING LIST	NONE	A	PL	RK611-0-4	A	00013
SHEET 1 OF 1		DIST.				

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