

FIELD MAINTENANCE PRINT SET

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION."

TABLE OF CONTENTS

B-TC-KDT11-0-1	FIELD MAINT. PRINT SET
TABLE OF CONTENTS	
B-DD-KDT11-0	TERMINAL INTELLIGENCE
B-PL-KDT11-0-0	TERMINAL INTELLIGENCE
B-PL-KDT11-0-3	KDT11 SHIP LIST
E-UA-5413271-0-0	TERMINAL INTELLIGENCE MODULE
K-PL-5413271-0-DBP	TERMINAL INTELLIGENCE MODULE (PL)
D-CS-5413271-0-1	TERMINAL INTELLIGENCE MODULE (CS)

[illegible]

KDTII

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00687

REVISIONS	REV	A		USED ON OPTIC./MODEL	DRN.	DATE	digital TITLE: FIELD MAINT.PRINT SET									
	CHG. NO.	KDT11-MR001		PDT11/150	<i>M. Morice</i>	<i>May 78</i>										
	DATE	<i>11/18/78</i>			CHK'D	DATE										
					<i>Counter</i>	<i>15 Aug 78</i>										
					PROJ. ENG.	DATE										
					<i>John Giff</i>	<i>3-24-78</i>										
					FIELD SERV.	DATE										
				SHEET 1 OF 1	<i>D. Neal</i>	<i>9-25-78</i>	SIZE B	CODE TC	NUMBER KDT11-0-1				REV. A			
							DIST.									

MR

SIZE B	CODE TC	NUMBER KDT11-0-1	REV. A
------------------	-------------------	---------------------	-----------

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

1. * EARLY MODULES MAY HAVE PROMS IN LIEU OF MASKED ROMS.

MADE BY <i>M. Howard</i>	CHECKED <i>RW Counter</i>
DATE <i>11 Aug 78</i>	DATE <i>15 Aug 78</i>

SECTION	1
---------	---

ENG <i>John C. J.</i>	PROD <i>J. Miller</i>
DATE <i>8-24-78</i>	DATE <i>20 Oct 78</i>

ISSUED SECTION	1
----------------	---

[illegible][illegible]

E.C.O. NO.	KDT11- MR001	KDT11- MR002	KDT11- MR003
------------	-----------------	-----------------	-----------------

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

TITLE	TERMINAL INTELLIGENCE
-------	-----------------------

ASSY NO.	B-DD-KDT11-0
----------	--------------

SIZE B	CODE PL	NUMBER KDT11-0-0
------------------	-------------------	---------------------

REV.
C

SHEET 1 OF 1

INSERTION PARTS LIST DATA BASE REV

MR

REWORK INSTRUCTIONS

ECO '5

COMPONENT ADDS SIDE 1, AS SHOWN:
5-1 C105 FROM E47-6 TO E47-8
5-2 C106 FROM E39-2 TO E39-4

ECO '6

COMPONENT DELETE SIDE 1 AS SHOWN:
6-26 R11 2K
6-28 R2 33K

ETCH CUTS SIDE 1 AS SHOWN

EC6-1 AT PTH LEFT SIDE NEAR E12-32
EC6-2 AT PTH RIGHT SIDE NEAR E12-32
EC6-3 AT E12-30
EC6-4 AT R12
EC6-5 AT R13

COMPONENT ADDS SIDE 1 AS SHOWN

6-12 E24 (6881)
6-13 R12 (180)
6-14 R13 (180)
6-15 C107 (220F)
6-16 C108 (220F)
6-17 C109 (220F)
6-27 R11 (2K)
6-29 R2 (33K)

COMPONENT ADDS SIDE 2 HAND SOLDER

AFTER WAVE SOLDER AS SHOWN

6-8 J12 STRIP SOCKET

6-19 J2

6-20 J11

6-21 J1

6-22 J1C

6-23 J4

6-24 J3

6-25 J2 STRIP SOCKET

WHERE ALLS SIDE 1 AS SHOWN

6-1 FROM E24-1 TO R12 LEFT

6-2 FROM R12 LEFT TO PTH NEAR E5-10 AND E5-20

6-3 FROM E24-2 TO E24-3

6-4 FROM E24-3 TO PTH NEAR E29-5

6-5 FROM E24-4 TO R13 LEFT

6-6 FROM R13 LEFT TO PTH BELOW C44 LEFT

6-7 FROM E24-5 TO E24-6

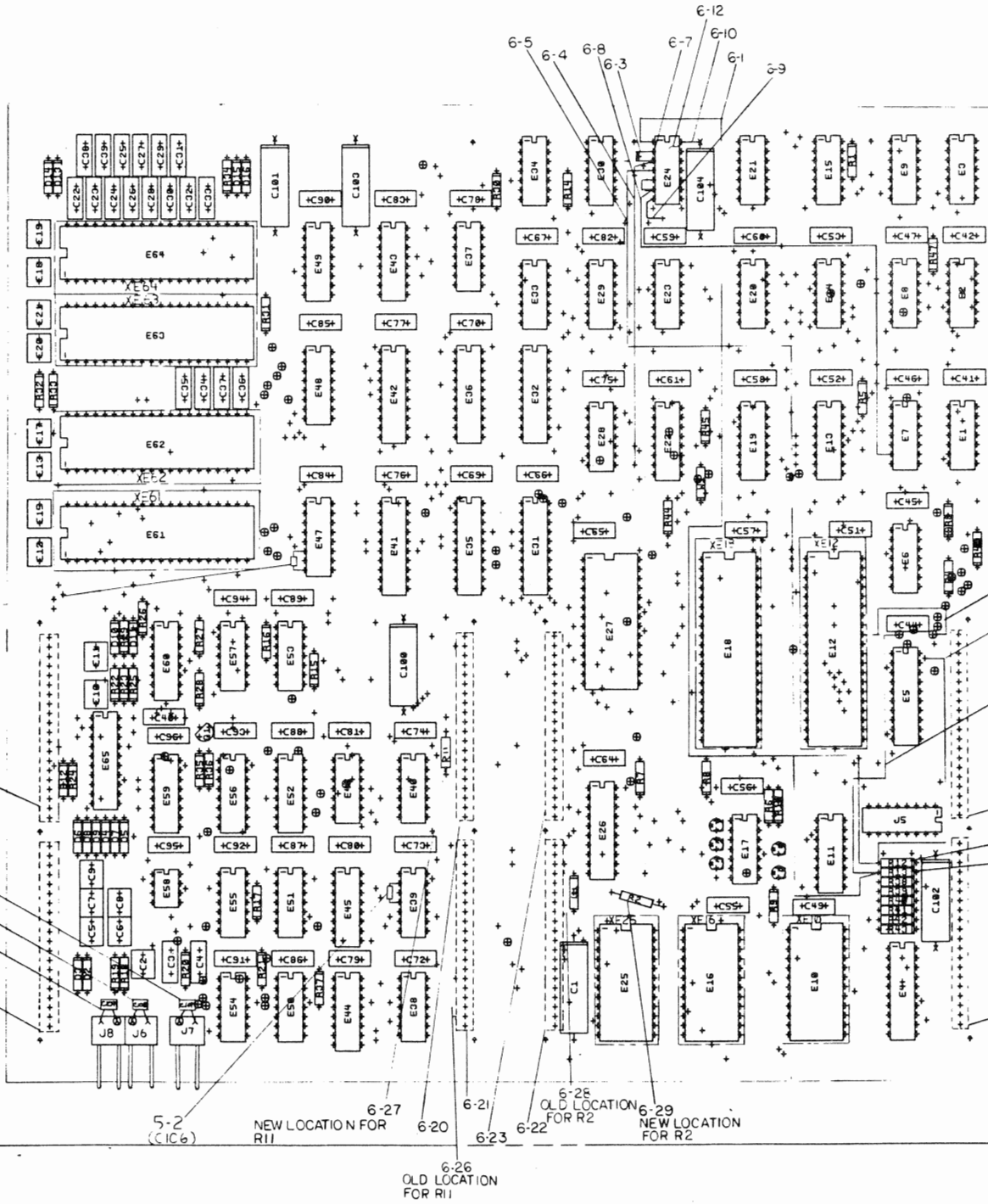
6-8 FROM E24-6 TO E7-6

6-9 FROM E24-7 TO PTH BELOW E24 (GND)

6-10 FROM E24-14 TO C104 TOP (VCC)

6-11 FROM E12-32 ETCH TO PTH BELOW

C44 RIGHT



SIGNATURES	DATE	SCALE	REV
DRN. 1	1/1/11	1:1	1
CHK. 1	1/1/11	1:1	1
DESIGNER	1/1/11	1:1	1
PROD. ENG.	1/1/11	1:1	1
SCALE	1:1	1:1	1
SHT.	1	1	1
NEXT HIGHER ASSY.	1	1	1
ETCH REV.	1	1	1

CHANGE NO	REV	DATE	BY	CHK
1	1	1/1/11	1	1
2	1	1/1/11	1	1
3	1	1/1/11	1	1
4	1	1/1/11	1	1
5	1	1/1/11	1	1
6	1	1/1/11	1	1
7	1	1/1/11	1	1
8	1	1/1/11	1	1
9	1	1/1/11	1	1
10	1	1/1/11	1	1

NOTES	STEP	TIME
1. DO NOT IMPLEMENT ECO NOT 541371 INTO SYSTEMS WITH SERIAL NO 25 999 OR LESS.	1	1
2. Y R115	1	1
3. X R115	1	1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
29	29		1912801-00	LS02 NOR-GATE-QUAD 2IN	2	2	E3,E14
30	30		1915218-00	LS245 TRANSCEIVER,BUS,OCT	3	3	E4,E5,E65
31	31		1912805-00	LS08 AND GATE-QUAD 2IN,PO	3	3	E6,E21,E23
32	32		1912803-00	74LS04 INVERTER GATE,HEX	2	2	E7,E37
33	33		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	7	7	E8,E15,E29,E33,E39,E40,E50
34	34		2114963-00	UP,8-BIT NMOS	1	1	E12
35	35		1912697-00	LS174 FF-D HEX W/CLEAR	2	2	E11,E47
36	36		1912842-00	LS138 DECODER-THREE INPUT,	4	4	E13,E19,E22,E49
37	37		1909928-00	7416 INVERTER GATE-HEX 1I	1	1	E17
38	38		2114964-00	RAM 2048 MOSJ-STATIC	1	1	E18
39	39		1914214-00	LS374 FF-D OCTAL EDGE TRIG	3	3	E26,E35,E36
40	40		2115104-00	INTERRUPT-PROGRAMMAB	1	1	E27
41	41		1913414-00	LS14 INVERTER GATE-HEX SC	1	1	E28
42	42		1912808-00	LS11 AND GATE-TRIPLE 3IN	1	1	E30
43	43		1915193-00	LS244 DRIVER,LINE,OCTAL,T	2	2	E31,E32
44	44		1914451-00	74LS393 COUNTER,BINARY,4BIT	1	1	E38
45	45		1915219-00	LS373 FF-D OCTAL-TRANSPARE	2	2	E41,E42
46	46		1912395-00	DM 8136 COMPARATOR-6BIT UNIF	2	2	E43,E48
47	47		1910545-00	74S112 FF-JK DUAL,EDGE TRIG	2	2	E44,E45
48	48		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	2	2	E46,E51
49	49		1911195-00	7497 MULTIPLIER,8BIT BINA	1	1	E52
50	50		1910532-00	74S00 NAND GATE-QUAD 2IN	1	1	E53
51	51		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	1	E54
52	52		1910035-00	DEC 74197 COUNTER,ASYNCH UP,H1	1	1	E55
53	53		1911527-00	8097 BUFFER GATE-HEX 2INP	1	1	E56
54	54		1912098-00	0026 DRIVER,MOS CLOCK,2	1	1	E58
55	55		1910957-00	74S175 FF-D QUAD COMMON CLO	1	1	E59
56	56	SEE NOTE 1	1914282-01	3245 DRIVER,QUAD TTL-NMOS	1	1	E60
57	57		1811660-22	OSCILLATOR, XTAL 30.413 MHZ	1	1	E57
58	58		23002C4-00	LSI-11 CONTROL CHIP FIN. SPEC.	1	1	E62
59	59		23001B5-00	B5-01,B5-AA	1	-	E63
60	60		23002B5-00	LSI-11 MICROM 1 FIN. SPEC.	1	-	E64
61	61		2115579-00	PG 1611H N-CHAN SILICON CHIP	1	1	E61
62	62		1215006-06	SOCKET 24PIN IC LOW PROFILE	3	3	XE10,XE16,XE25
63	63		1215006-08	SOCKET 40PIN IC LOW PROFILE	6	6	XE12,XE18,XE61-XE64
64	64		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	1	W1
65	65		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	A/R	
66	66		1301522-03	27.0 .25 W 5.0 % CC	1	1	R29
67	67		1012784-00	.047 MFD 50V +80-20% CER	1	1	C106
68	68		23003B6-00	B6-C3	-	1	E63
69	69		23003B5-00	B5-01	-	1	E64
70	70		1010274-00	.22 MFD 50V +80-20% Z5U CER	3	3	C107-C109
71	71		1909705-00	DEC 8881 NAND GATE-QUAD 2IN O	1	1	E24
72	72		1217861-00	HEADER.100 20SKT PC MTG	8	8	J1-J4,J9-J12

! D ! I ! G ! I ! T ! A ! L !	! TITLE	! SECTION A OF A	! SIZE ! CODE !	! DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	5413271	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !
! ! ! ! ! ! ! !	TERMINAL INTELLIGENCE MODULE	! ! ! ! ! ! ! !	! K ! PL !	5413271-0-DBP	! H !
! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !

AUTOMATED BY PRTLST.2D(11)

PARTS LIST

SHEET A3 OF A3

LINE	ITEM	DOCUMENT	NUMBER
------	------	----------	--------

PART NUMBER

DESCRIPTION

QTY PER VARIATION

00 YA

REFERENCE DESIGNATOR

73 NOTE: 1. USE 1914282-00 AS A SUBSTITUTE FOR 1914282-01.

D I G I T A L							TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							5413271					
							TERMINAL INTELLIGENCE MODULE					
									K	PL	5413271-0-DBP	H

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION"

D

C

B

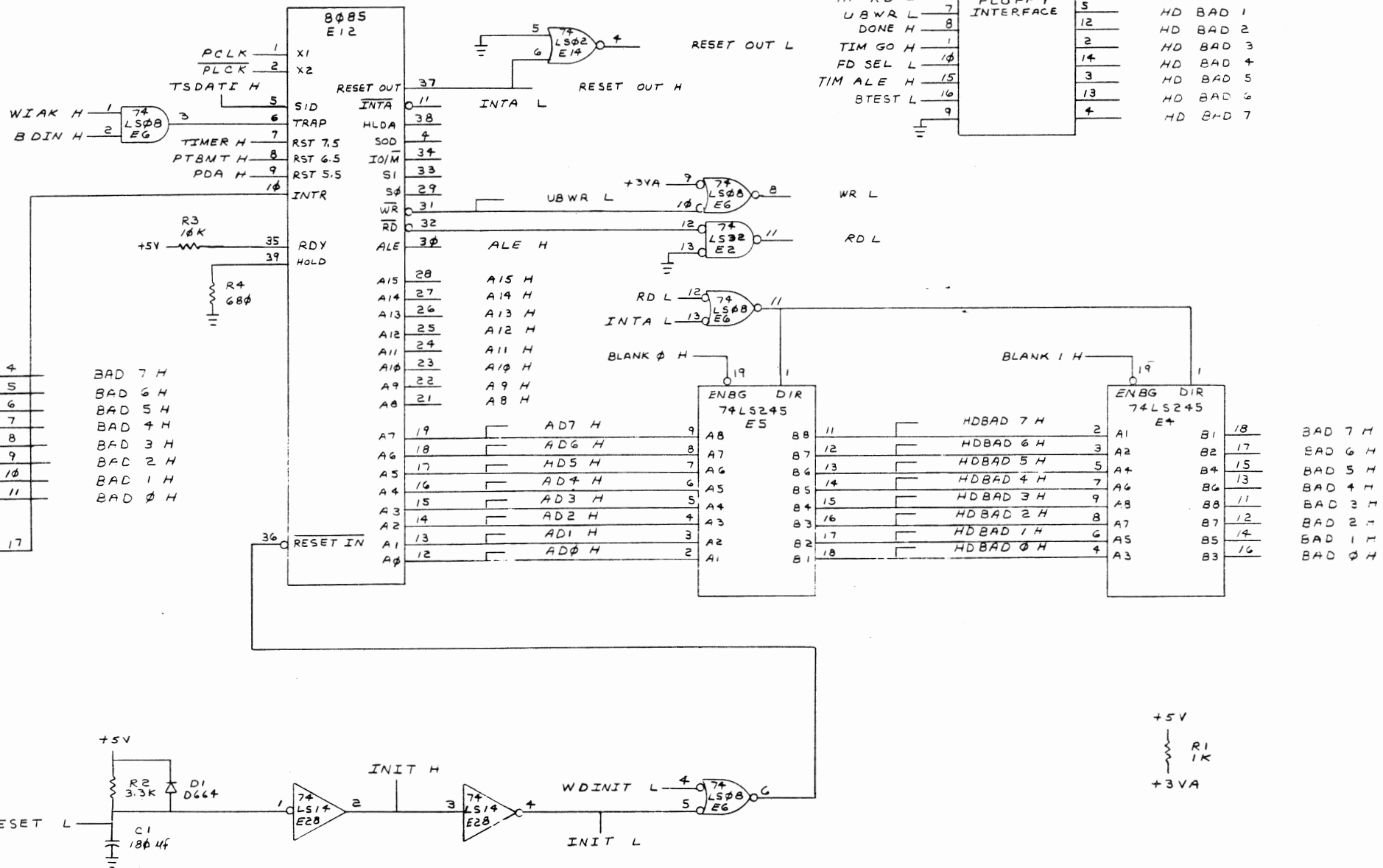
A

D

C

B

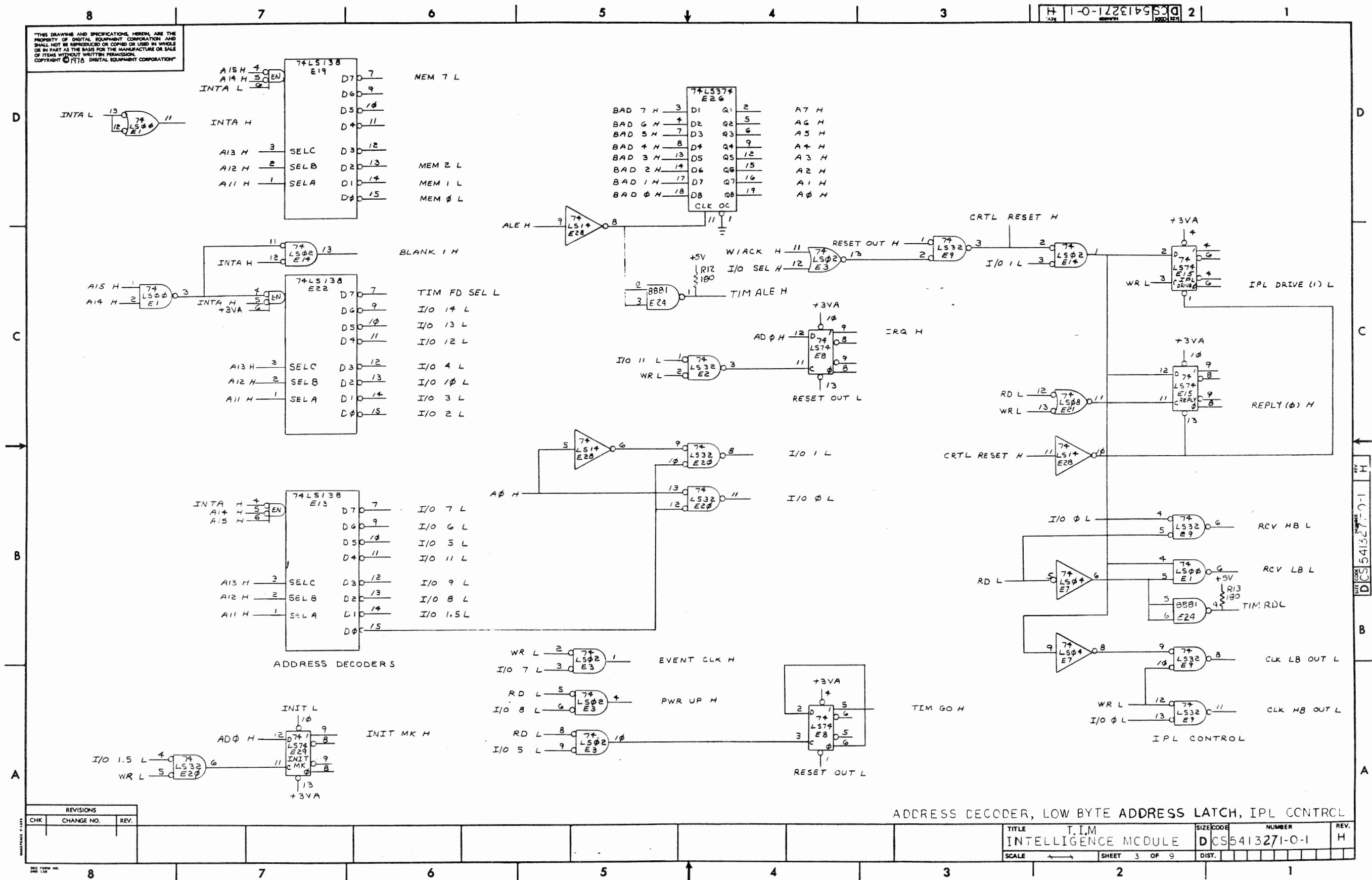
A

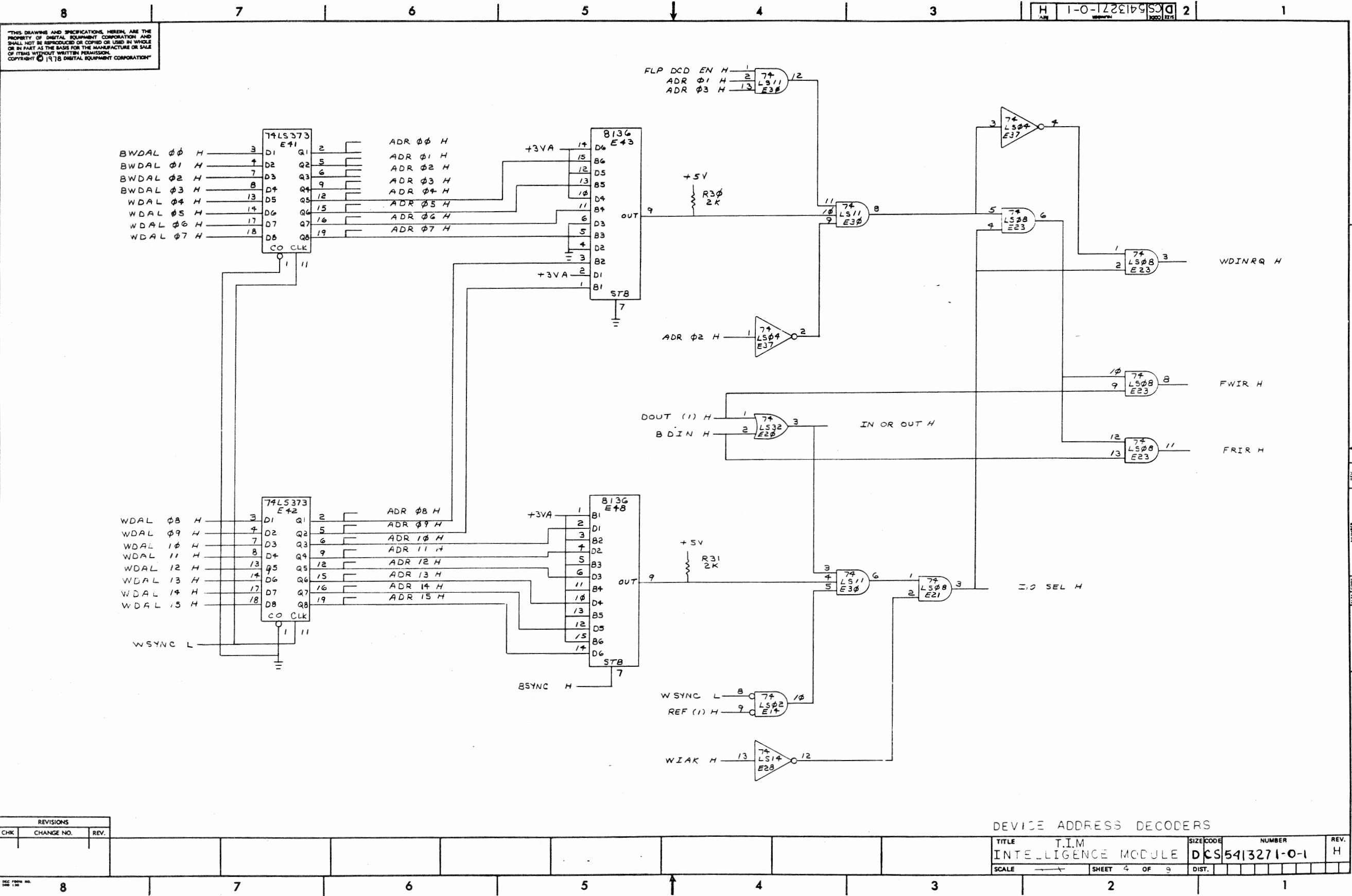


PROCESSOR, INTERRUPT CONTROL, AD BUFFER

DRN. 5-11-5413271-0	FIRST USED ON RXT-11	digital
CHK'D BY J. CYR	TITLE TIM	
ENG. BY J. CYR	INTELLIGENCE	
PROJ. ENG. BY J. CYR	MODULE	
PROD. BY J. CYR		
NEXT HIGHER ASSY.		
5-11-5413271-0	SIZE CODE	NUMBER
SCALE NONE	D CS	5413271-0-1
SHEET 1 OF 3	DIST.	REV. H

REV.	CHANGE NO.	DATE	BY	CHK.
1	1	11/1/76	J. CYR	J. CYR
2	2	11/1/76	J. CYR	J. CYR
3	3	11/1/76	J. CYR	J. CYR
4	4	11/1/76	J. CYR	J. CYR
5	5	11/1/76	J. CYR	J. CYR
6	6	11/1/76	J. CYR	J. CYR
7	7	11/1/76	J. CYR	J. CYR
8	8	11/1/76	J. CYR	J. CYR

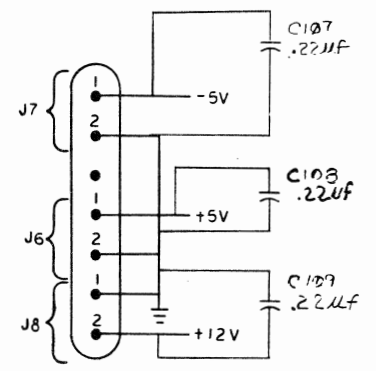
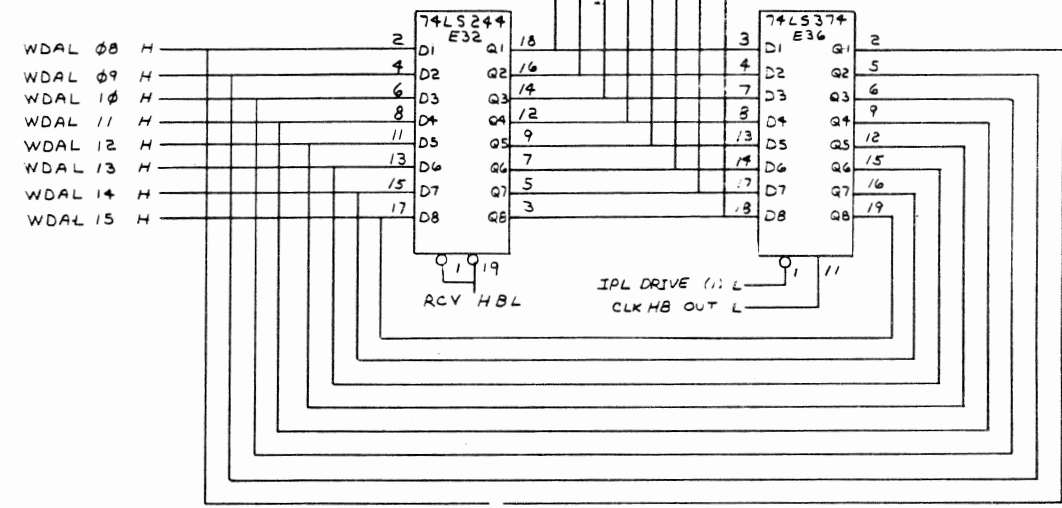
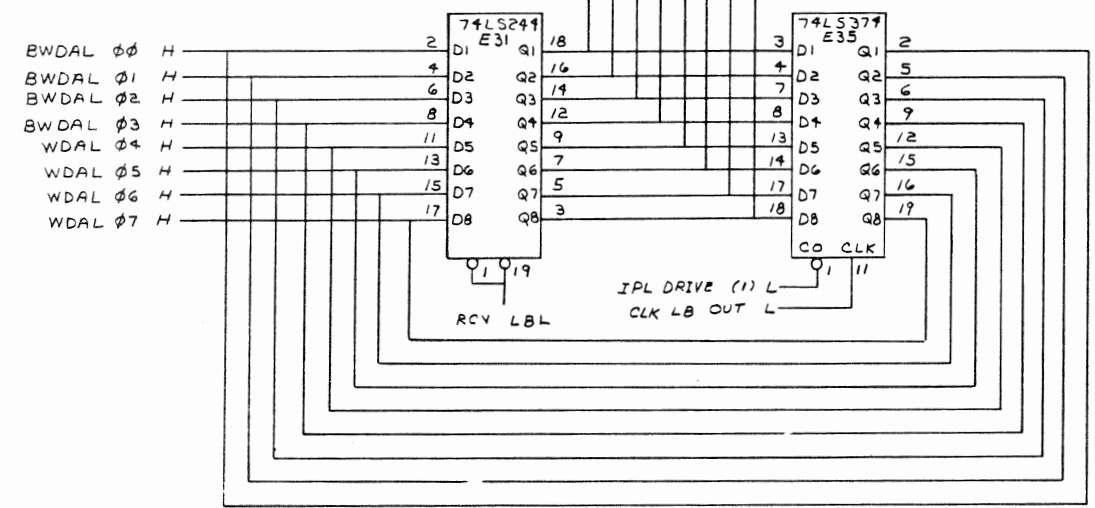




"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

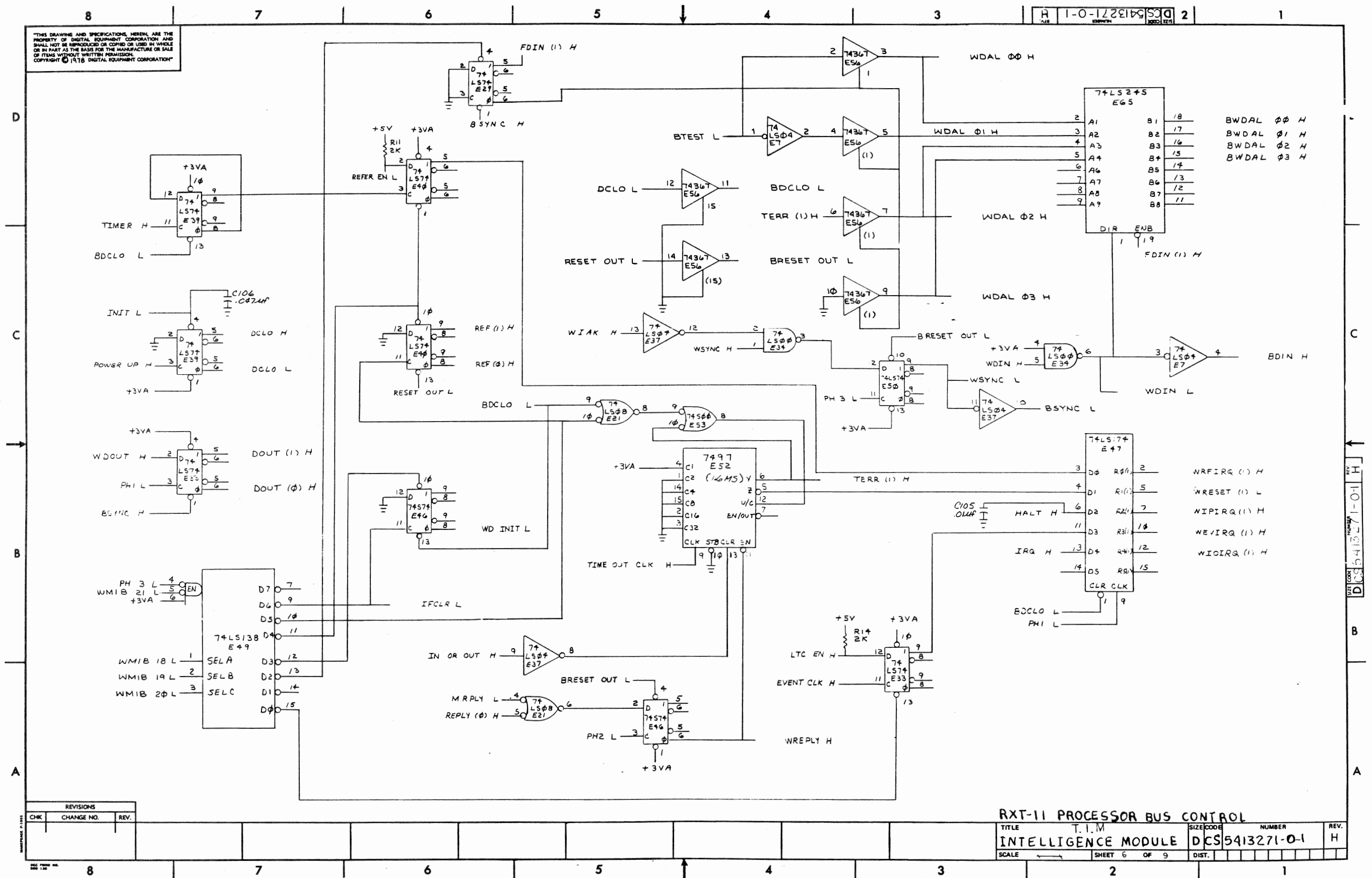
DCS 5413271-0-1

BAD 7 H
BAD 6 H
BAD 5 H
BAD 4 H
BAD 3 H
BAD 2 H
BAD 1 H
BAD 0 H



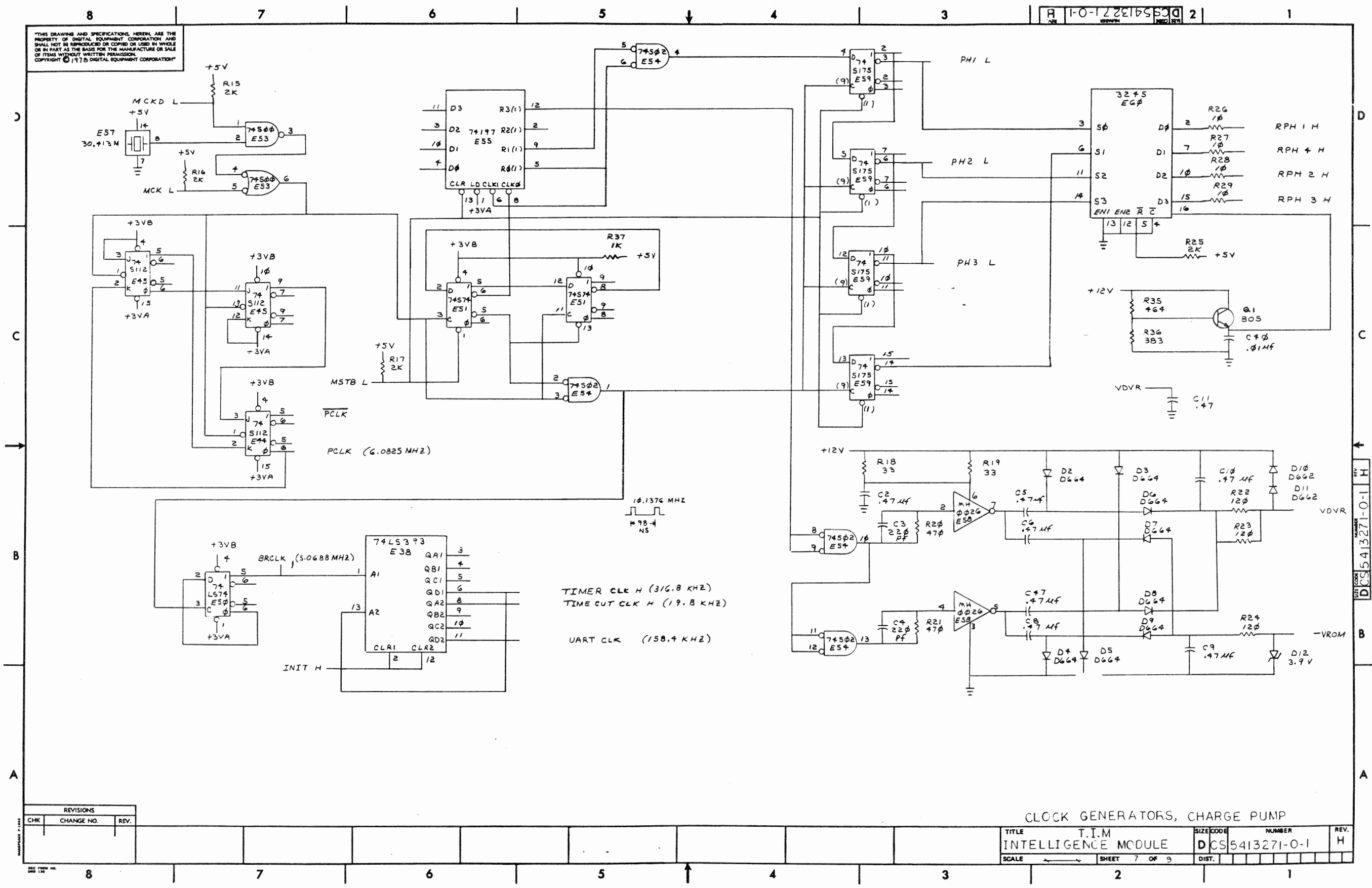
REVISIONS		
CHK	CHANGE NO.	REV.

I.P.L										
TITLE TIM INTELLIGENCE MODULE					SIZE CODE DCS		NUMBER 5413271-0-1			REV. H
SCALE		SHEET 5 OF 9			DIST.					



THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION

DCS5413271-0-1



REVISIONS		
CHK	CHANGE NO.	REV.

CLOCK GENERATORS, CHARGE PUMP

TITLE		T.I.M	SIZE CODE	NUMBER	REV.
INTELLIGENCE MODULE		DCS5413271-0-1			
SCALE	SHEET 7 OF 9		DIST.		

