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SERVICE MANUAL

53A-171

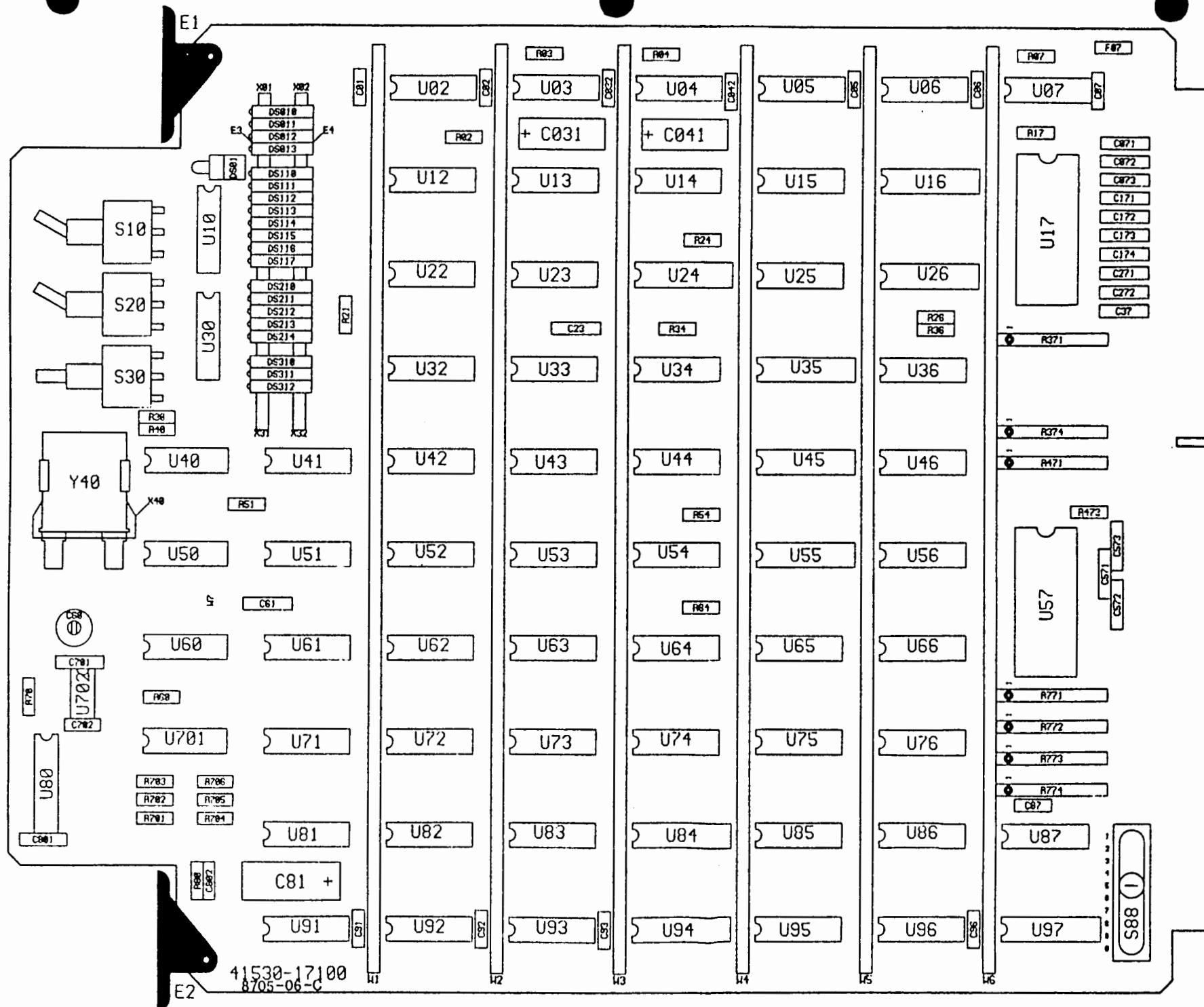
CONTROL CARD

REFERENCE DESIGNATOR	CDS PART NUMBER	QTY.	PART DESCRIPTION	MFG. NUM.	MFG. PART NUMBER
FOR USE W/S30	42050-12671	1	SWITCH CAP WHITE FOR 8125A	0024	8018-1
C01,02,032,042,05,06,07,702,802 91,92,93,96	20128-10006	13	CAP FXD CER .1UF 80% -20% 50VDCW	0106	1C20Z5U104Z050B
C031,041	21018-10008	2	CAP FXD ELECT 10UF 75% -10% 16VDCW	0025	NLW10-16
C071,072,073,171,172,173,174,271 272,37,571,572,701	21528-10003	13	CAP FXD MICA 100PF 5% 500VDCW	0012	DM5FY101J
C23	21528-20002	1	CAP FXD MICA 20PF 5% 500VDCW	0025	CD6CA200J03
C573	20128-10005	1	CAP FXD CER .01UF 80% -20% 50VDCW	0106	1C25Z5U103M050B
C60	25028-20002	1	CAP VAR CER 2.3-20PF	0057	9308
C61	21528-10004	1	CAP FXD MICA 1000PF 5% 100VDCW	0012	DM-15-102J
C801	21528-20003	1	CAP FXD MICA 200PF 5% 500VDCW	0012	DM-15-201J
C81	21018-15009	1	CAP FXD ELECT 150UF 75% -10% 16VDCW	0025	NLW 150-16
C87	20128-47006	1	CAP FXD CER .47UF 20% 50VDCW	0075	RPE122Z5U474M50V
DS01	32000-00103	1	DIODE LIGHT EMITTING RED 50MA	0039	550-0103
DS010,011,012,013,110,111,112 113,114,115,116,117,210,211,212 213,214,310,311,312	32000-02003	20	DIODE LIGHT EMITTING RED WITH RESISTOR	0039	547-2003
E1	40401-00171	1	EJECTOR STAMP 53A-171 STYLE B BLACK	0026	40401-00171
E2	40401-10009	1	EJECTOR STAMP CONTROL STYLE D BLACK	0026	40401-10009
E3	45050-03223	1	DCL LED 23POS DRW 00000-00458 6-78	0026	45050-03223
E4	45050-03224	1	DCL LED 23POS BLK DRW 0000 0-00459 6-78	0026	45050-03224
F07	42202-52001	1	FUSE SUB-MIN 2AMP	0061	251002

REFERENCE DESIGNATOR	CDS PART NUMBER	QTY.	PART DESCRIPTION	MFG. NUM.	MFG. PART NUMBER
PCB	41530-17100	1	P.C. BOARD VERSION 8705	0026	41530-17100
R02,30,40,51,54,64,70	10117-10005	7	10K RES COMP 1-4W 5%	0087	R25J-10K-5%
R03,07,24,26,80	10117-10004	5	1K RES COMP 1-4W 5%	0087	R25J-1K-5%
R04	10117-20005	1	20K RES COMP 1-4W 5%	0087	R25J-20K-5%
R17,36,473	10117-27003	3	270 OHM RES COMP 1-4W 5%	0087	R25J-270-5%
R21	10117-33003	1	330 OHM RES COMP 1-4W 5%	0087	R25J-330-5%
R34	10117-22005	1	22K RES COMP 1-4W 5%	0087	R25J-22K-5%
R371,374,471	12006-22004	3	2.2K RES NETWORK SIP 5% .7W 7-PKG	0027	750-81-R2.2K
R60	10117-22003	1	220 OHM RES COMP 1-4W 5%	0087	R25J-220-5%
R701,702,703	10117-51003	3	510 OHM RES COMP 1-4W 5%	0087	R25J-510-5%
R704,705,706	10117-82003	3	820 OHM RES COMP 1-4W 5%	0087	R25J-820-5%
R771,774	12006-22003	2	220 OHM RES NETWORK SIP 5% .7W 7-PKG	0027	750-81-R220
R772,773	12006-33003	2	330 OHM RES NETWORK SIP 5% .7W 7-PKG	0027	750-81-R330
S10,20	42050-12370	2	SWITCH ALT SPDT PC BRD MNT	0024	7101P4D9AB
S30	42050-12670	1	SWITCH MOM SPDT PC BRD MNT	0024	8125A
S88	42050-10010	1	SWITCH 10POS.	0101	C42315-A61-A11
U02,06,36,46,51,95,96	73301-07404	7	IC TTL LS HEX INVERTER	0107	74LS04
U03	78400-07413	1	IC TTL DUAL 4-INPUT NAND SCHMITT TRIGGER	0107	7413
U04,14,64,75,76	76601-07438	5	IC TTL QUAD 2-INPUT NAND BUFFER W-OC	0107	7438
U05,12,15,22,32,62,71,81,83,91	76500-07400	10	IC TTL LS QUAD 2-INPUT NAND GATE	0107	74LS00
U07	71400-74177	1	IC TTL 4-BIT BINARY COUNTER-LATCH	0107	74177
U10	73000-07474	1	IC TTL DUAL D-TYPE EDGE-TRIG FLIP-FLOP	0107	7474

REFERENCE DESIGNATOR	CDS PART NUMBER	QTY.	PART DESCRIPTION	MFG. NUM.	MFG. PART NUMBER
U13,40,43,63,82,92	76500-07410	6	IC TTL LS TRIPLE 3-INPUT NAND GATE	0107	74LS10
U16	71251-07483	1	IC TTL LS 4-BIT BINARY FULL ADDER	0107	74LS83
U17,57	79000-09311	2	IC TTL 1-OF-16 DIGITAL DECODER	0107	9311 OR 74154
U23,42,72,73	76901-07402	4	IC TTL LS QUAD 2-INPUT NOR GATE	0107	74LS02
U24,80	74200-09602	2	IC TTL DUAL RETRIGGERABLE MONOSTABLE	0041	9602
U25	73002-07474	1	IC TTL S DUAL D-TYPE EDGE TRIG FLIP-FLOP	0107	74S74
U26	71200-74161	1	IC TTL LS SYNCH 4-BIT COUNTER	0107	74LS161A
U30	76600-07400	1	IC TTL QUAD 2-INPUT NAND GATE	0107	7400
U33,93	76500-07420	2	IC TTL LS DUAL 4-INPUT NAND GATE	0107	74LS20
U34,41,44,66	78402-07414	4	IC TTL LS HEX SCHMITT INVERTING BUFFER	0107	74LS14
U35,45	79911-74157	2	IC TTL LS QUAD 2-TO-1 LINE DATA SEL-MUX	0107	74LS157
U50,52,53	73000-07473	3	IC TTL DUAL J-K MASTER-SLAVE FLIP-FLOP	0107	7473
U54,56	79500-74180	2	IC TTL 8-BIT ODD-EVEN PARITY GEN-CHECKER	0107	74180
U55	73600-07475	1	IC TTL QUAD BISTABLE LATCH	0107	7475
U60	71200-07490	1	IC TTL DECADE COUNTER	0107	7490
U61	73001-07473	1	IC TTL LS DUAL J-K MASTER-SLAVE FLIP-FLOP	0107	74LS73
U65,85,86	77815-07432	3	IC TTL LS QUAD 2-INPUT OR GATE	0107	74LS32
U701	73300-07406	1	IC TTL HEX INVERTER BUFFER-DRIVER	0107	7406
U702	79605-07209	1	IC TTL OSCILLATOR	0055	1CM 7209 1PA
U74	76500-07430	1	IC TTL LS 8-INPUT NAND GATE	0107	74LS30

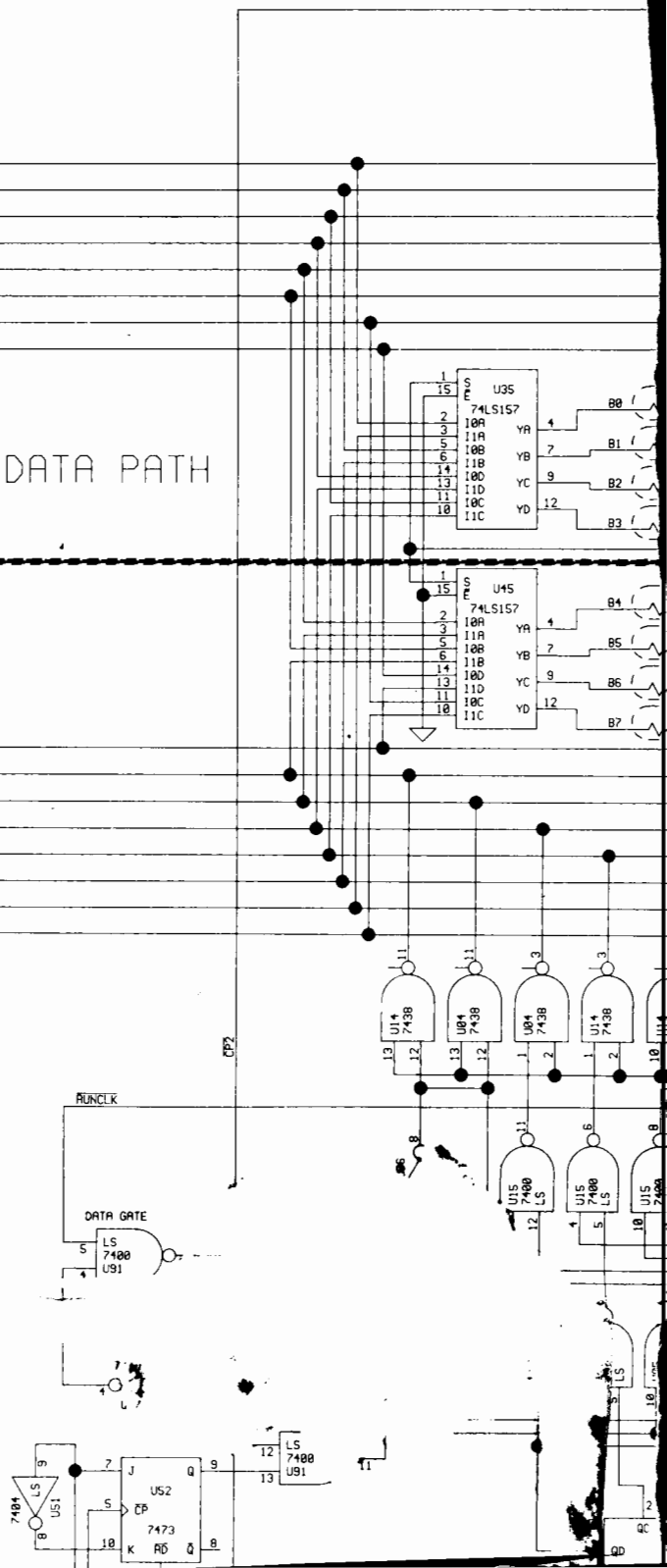
REFERENCE DESIGNATOR	CDS PART NUMBER	QTY.	PART DESCRIPTION	MFG. NUM.	MFG. PART NUMBER
U84,94	75401-07496	2	IC LS 5-BIT SERIAL-PARALLEL SHIFT REGISTER	0107	74LS96
U87	78401-07414	1	IC TTL HEX SCHMITT INVERTING BUFFER	0107	7414
U97	79000-07442	1	IC TTL BCD-TO-DECIMAL DECODER	0107	7442
W1,2,3,4,5,6	93517-75397	6	BUS BAR P.75 F.3 X9 L7.2	0090	M-833 9.75.3
W7	90000-06022	1	WIRE 22 GA UNINSULATED	0017	QQ-W-3430
X01,02	45010-14100	2	SOCKET SIP 14 PIN	0026	45010-14100
X31,32	45001-12100	2	CONNECTOR SIP 12 PIN	0026	45001-12100
X40	45010-00002	1	SOCKET CRYSTAL HC25 HOLDER	0014	8000-AG36
Y40	89500-20006	1	CRYSTAL 2.00MHZ .001% 10PF HC6U HLDR	0056	432311 CS-1 10PF



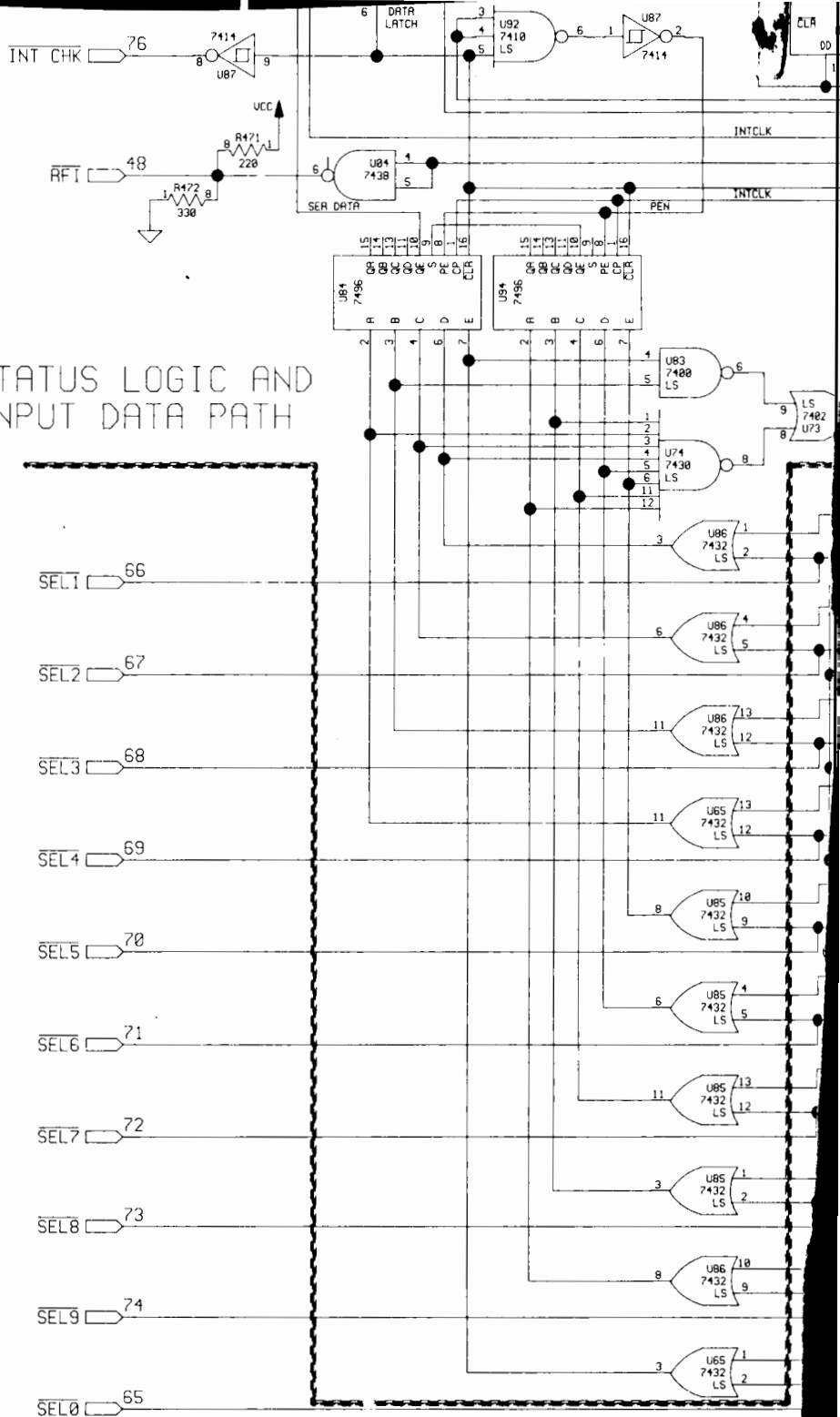
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 OB3 31
 OB4 33
 OB5 35
 OB6 37
 OB7 39

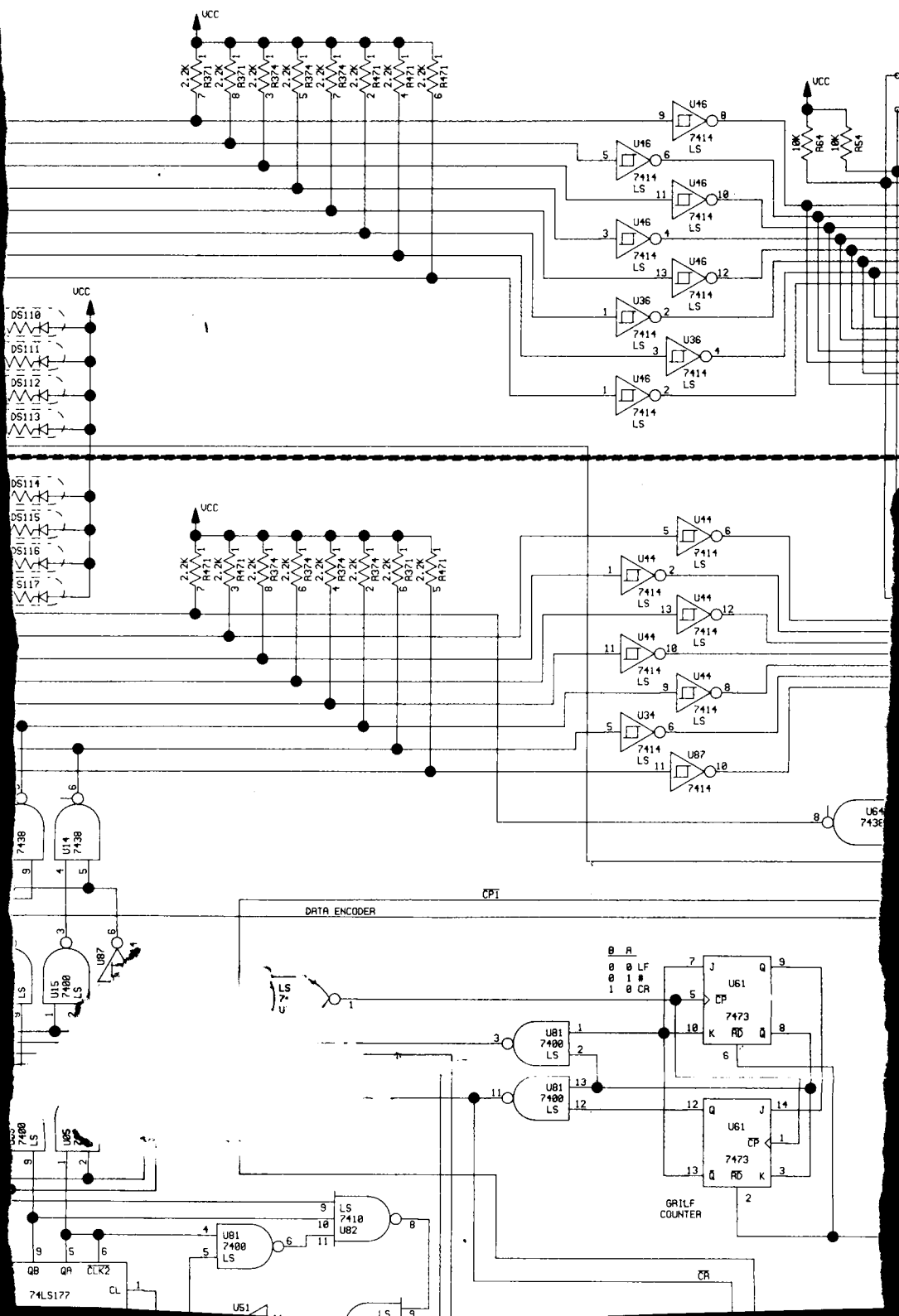
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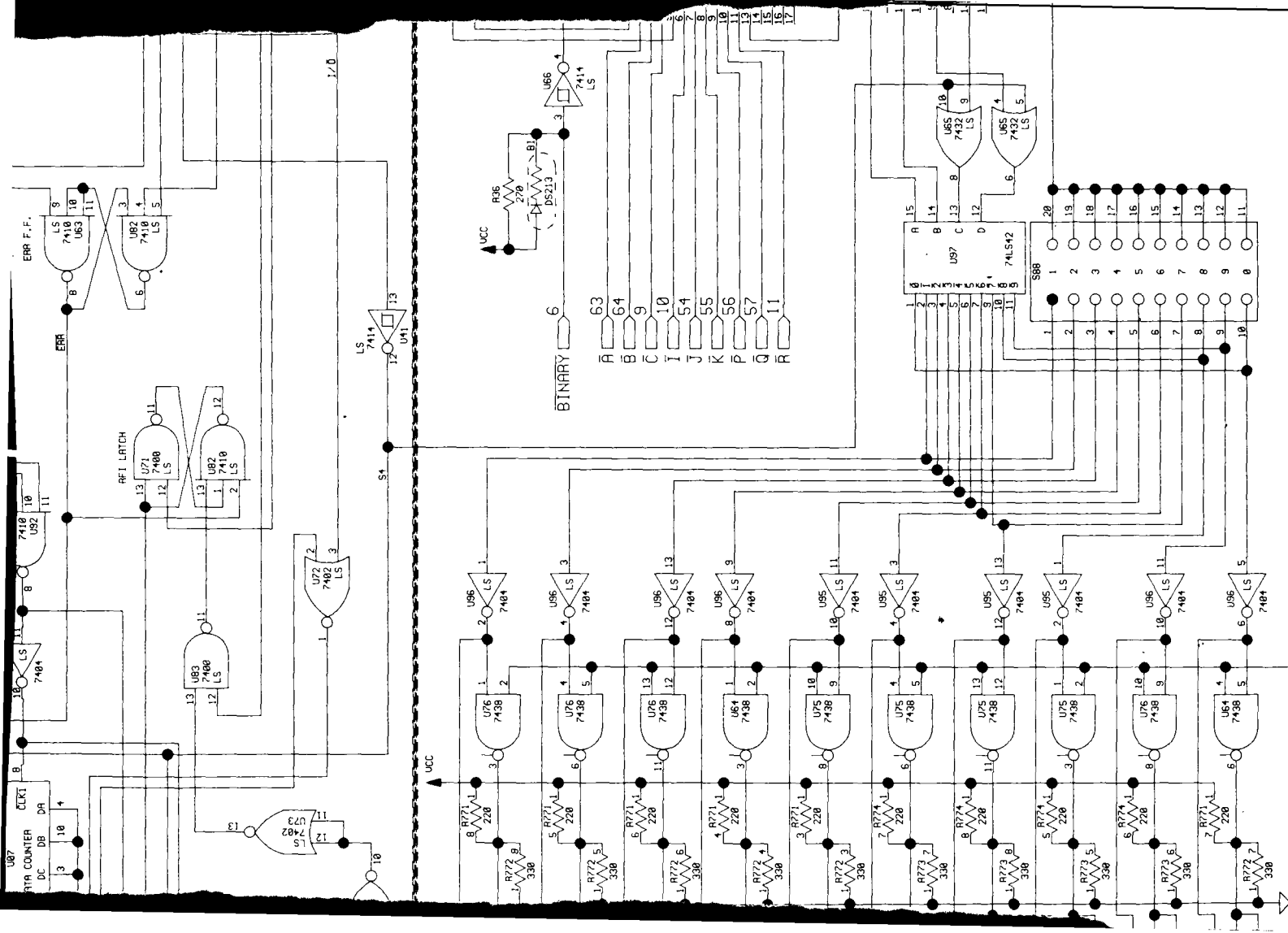
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 IB4 34
 IB3 32
 IB2 30
 IB1 28
 IB0 26
 IB6 38

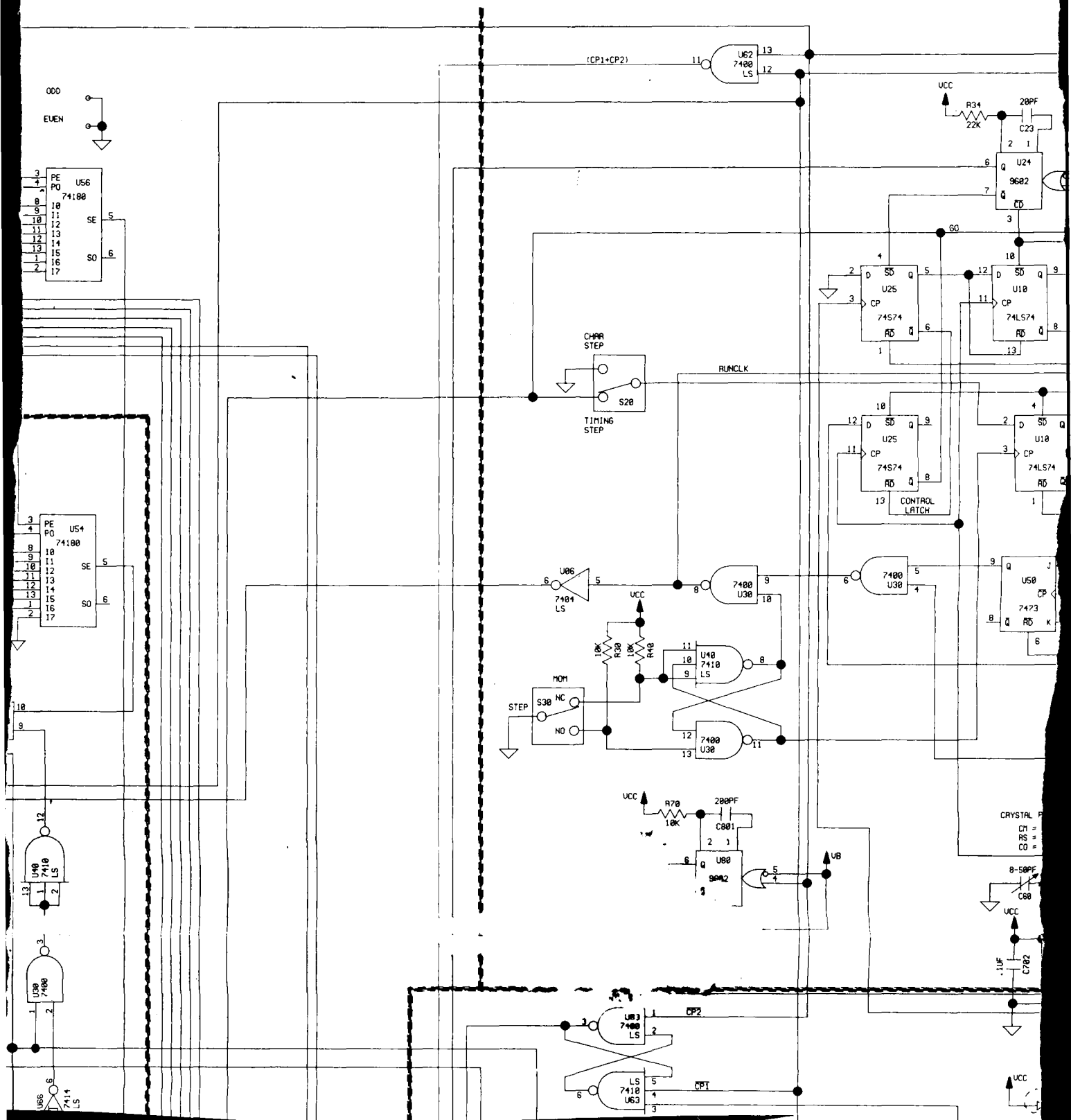


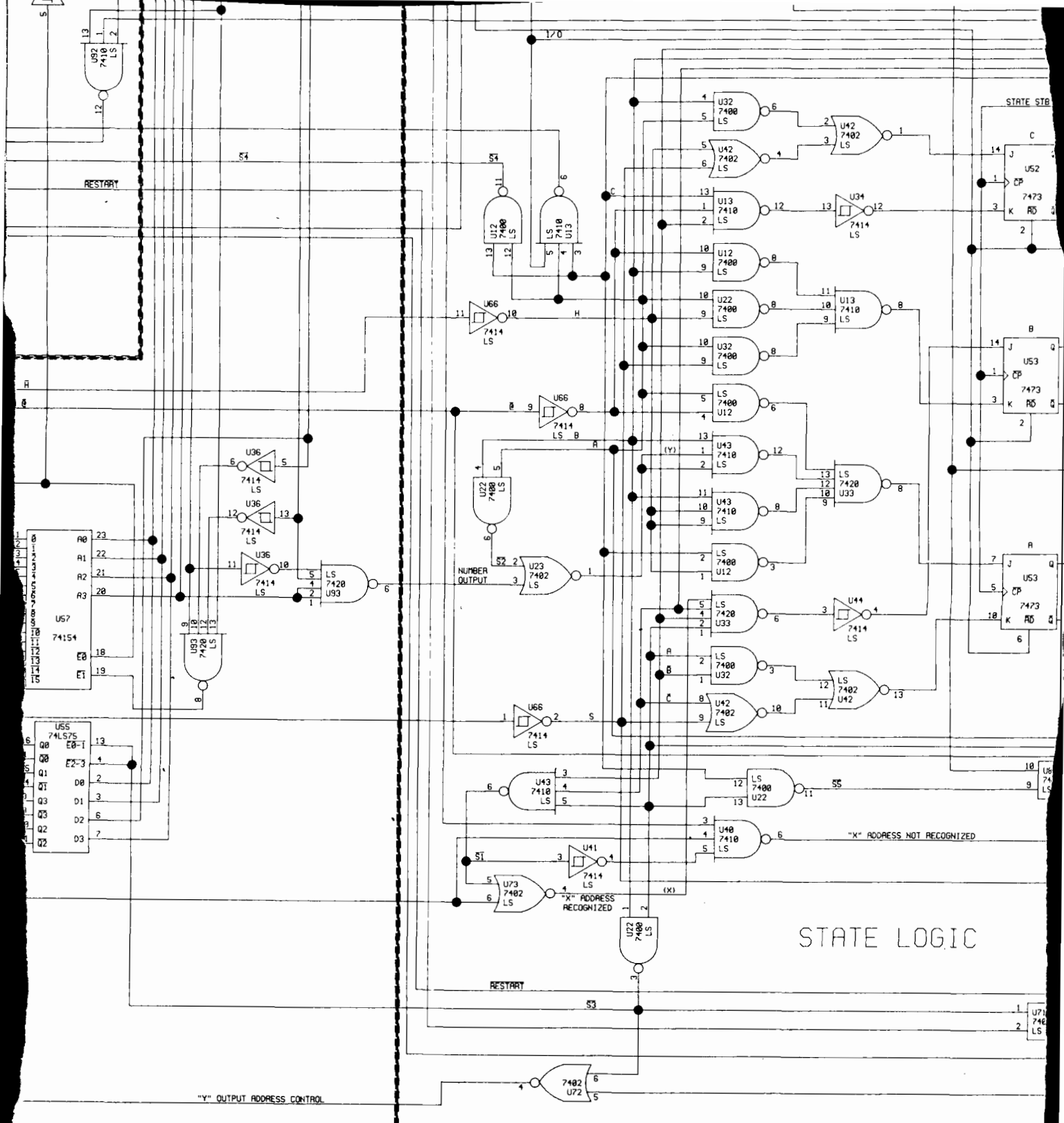
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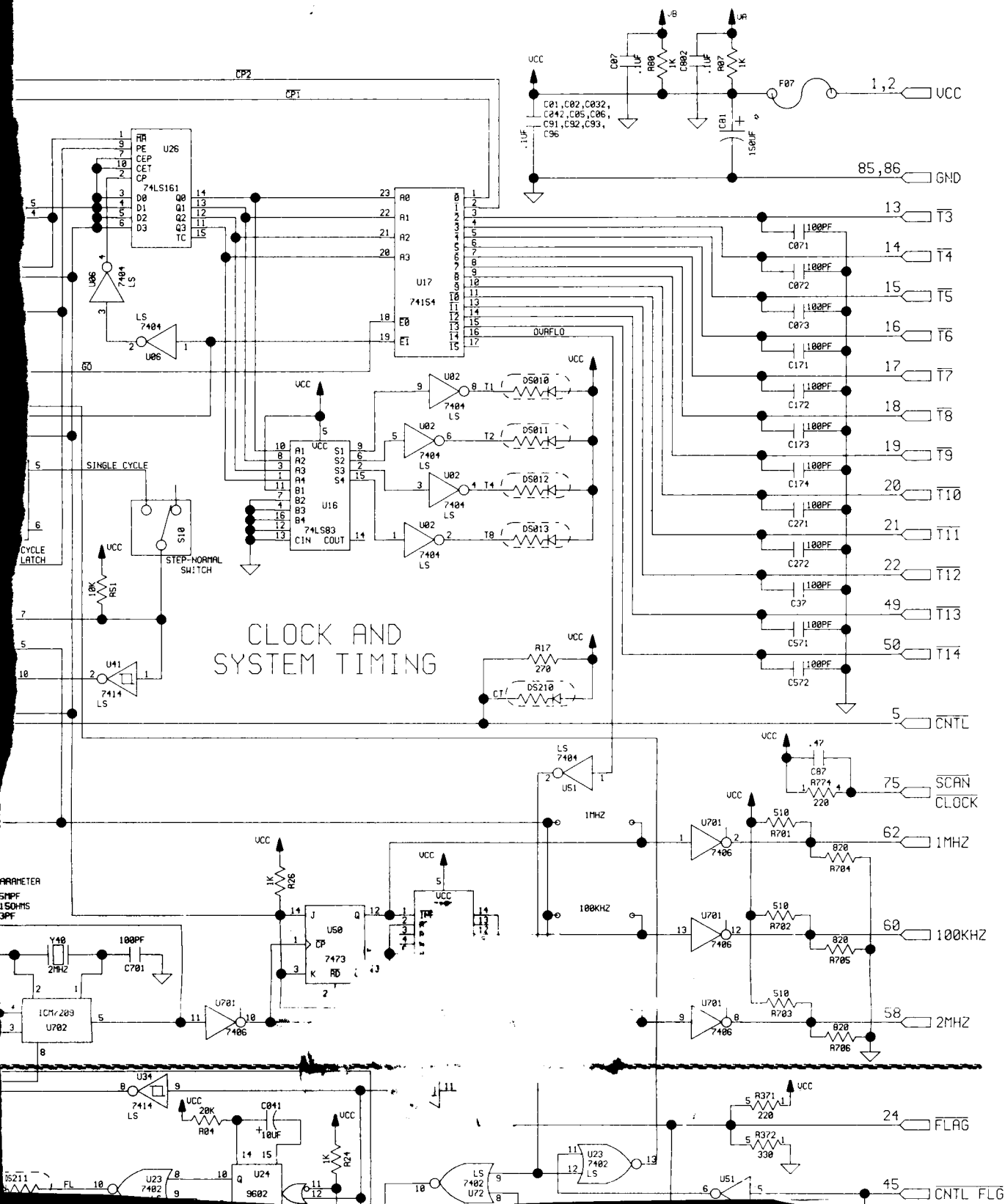


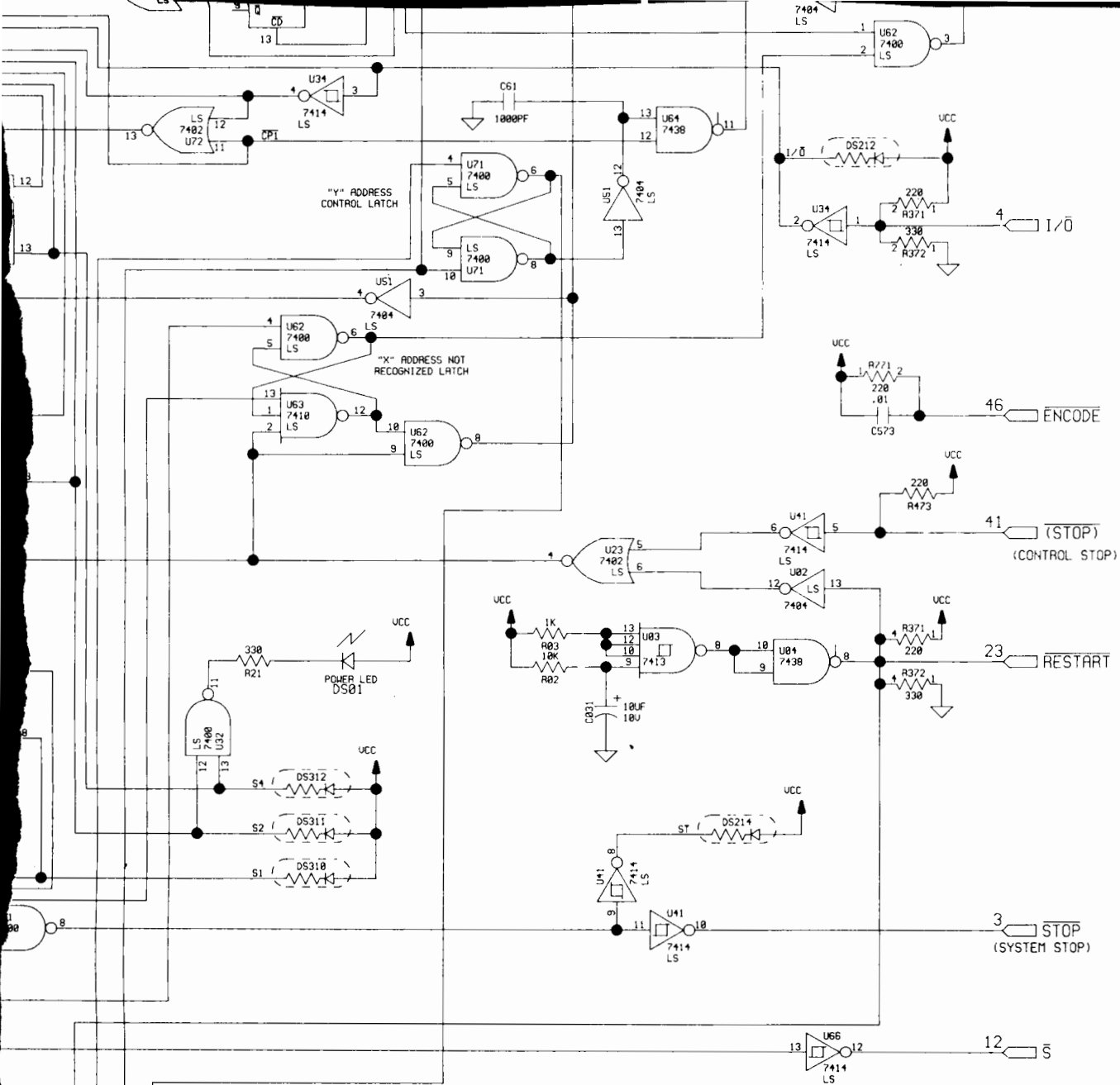












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8705-06-C

REVISION LEVEL	ECO #
8605-06-B	498
8705-06-C	552

COLORADO
DATA
SYSTEMS

PART NO.:	53A-171
DESCRIPTION:	CONTROL CARD
P.C.B. NUMBER:	41530-17100

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