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J.C. AIR

SERVICE MANUAL

53A-332

REED RELAY SCANNER CARD WITH READBACK

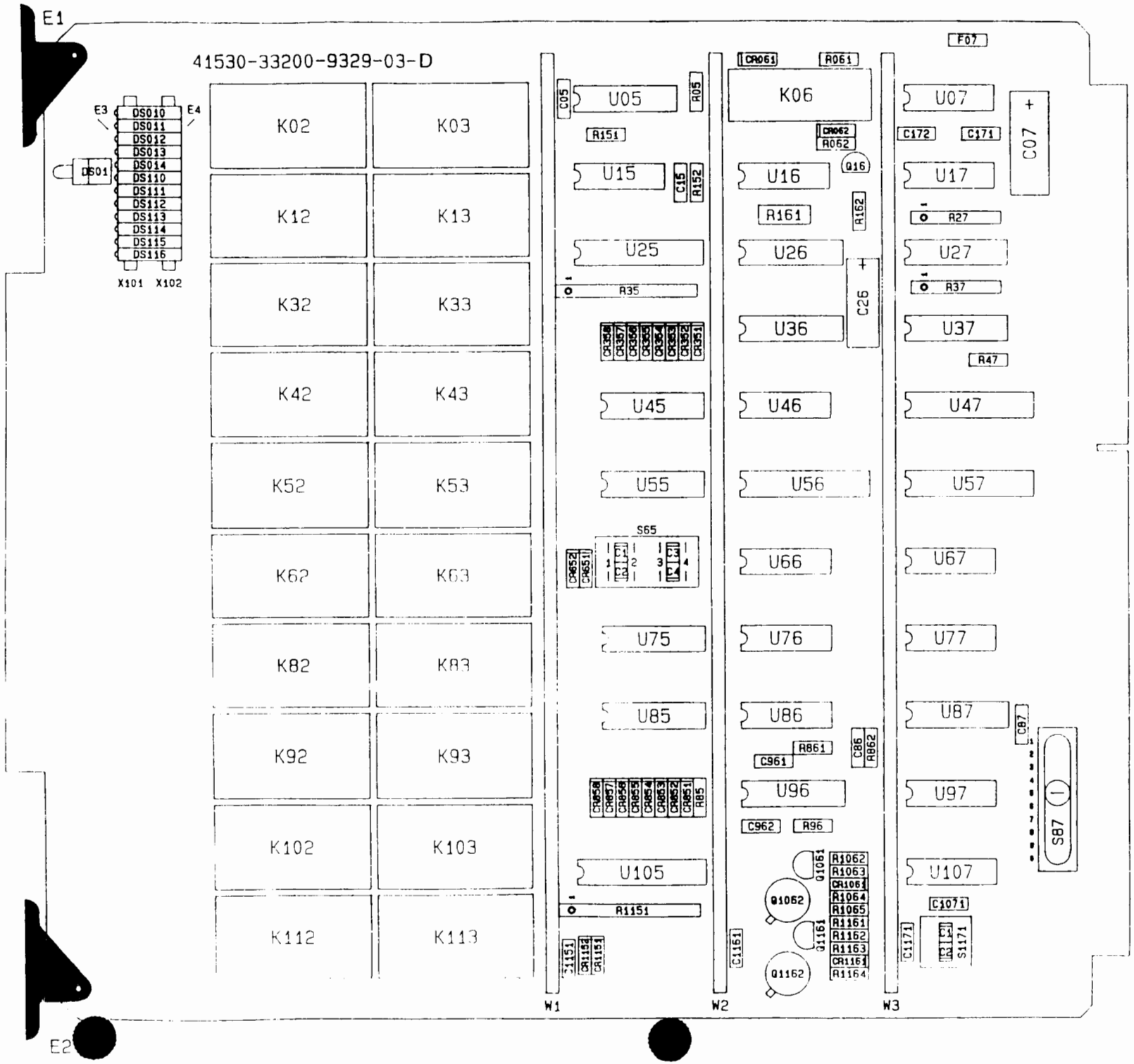
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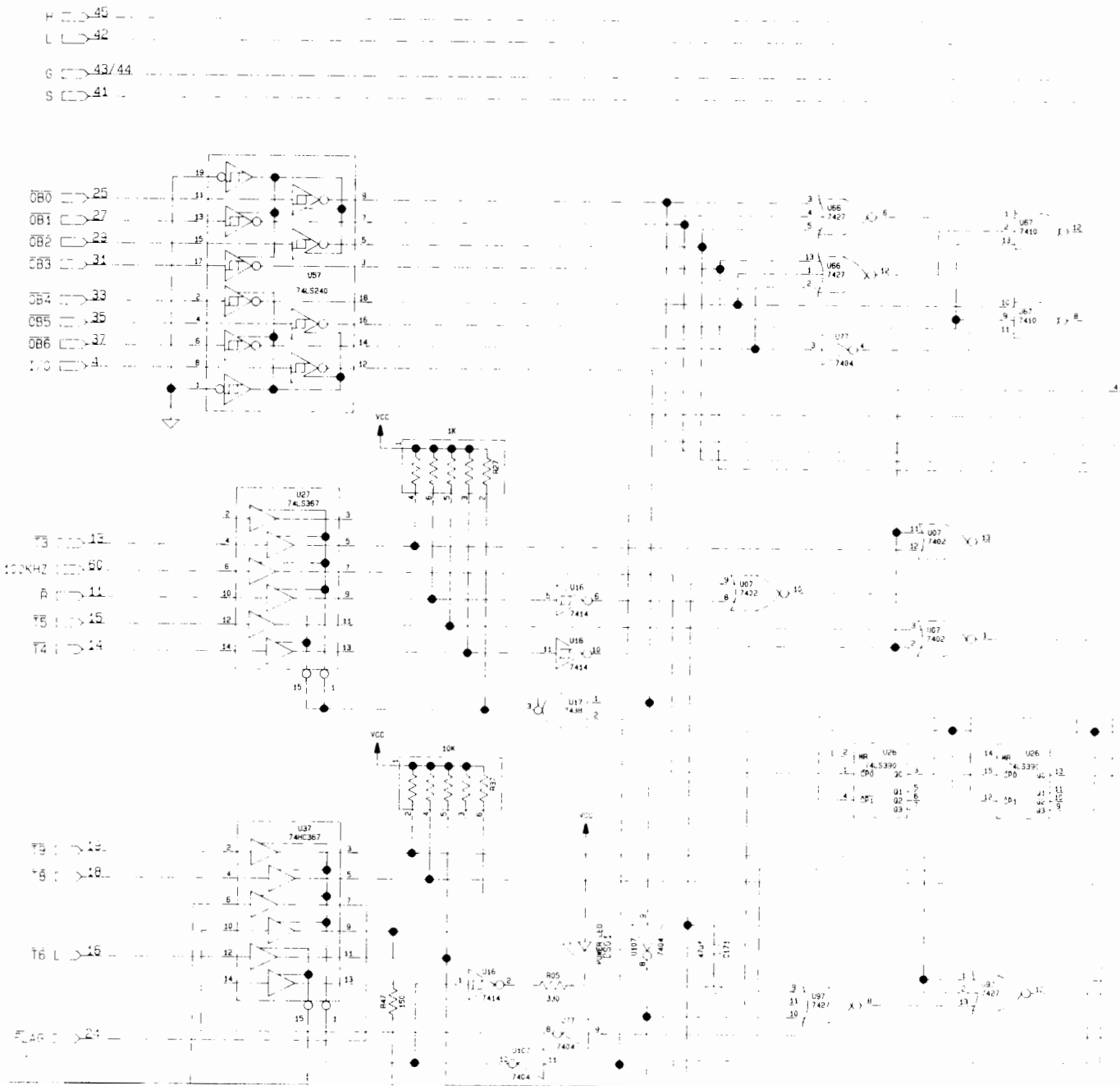
REFERENCE DESIGNATOR	CDS PART NUMBER	QTY	PART DESCRIPTION	MFG NUM	MFG PART NUMBER
C05,1151,1161,1171,15,172,86	20128-10006	7	CAP FXD CER .1UF 20% 50VDCW	0058	C322C104M5U5CA
C07	21018-15009	1	CAP FXD ELECT 150UF 75% -10% 16VDCW	0025	NLW150-16
C1071,87	20128-15004	2	CAP FXD CER .0015UF 10% STABLE 100VDCW	0106	1C10X7R152M050B
C171	20128-47006	1	CAP FXD CER .47UF 20% 50VDCW	0106	1C20Z5U474M050B
C26	21018-30008	1	CAP FXD ELECT 30UF 75% -10% 16VDCW	0025	NLW30-16
C961,962	20128-47005	2	CAP FXD CER .047UF 10% STABLE 100VDCW	0058	CK06BX473K
CR061,062,1061,1151,1152,1161 351,352,353,354,355,356,357,358 651,652,851,852,853,854,855,856 857,858	32000-04148	24	DIODE SILICON 75V 1A 5%	0078	1N4148
DS01	32000-00103	1	DIODE LIGHT EMITTING RED 50MA	0039	550-0406
DS010,011,012,013,014,110,111 112,113,114,115,116	32000-02003	12	DIODE LIGHT EMITTING RED WITH RESISTOR 0	0039	547-2003
E1	40401-00332	1	STAMP 53A-332 STYLE B BLUE	0026	40401-00332
E2	40401-10015	1	STAMP SCANNER STYLE D BLUE	0026	40401-10015
E3	45050-03275	1	DCL LED 12POS DRW 00000-00514	0026	45050-03275
E4	45050-03279	1	DCL LED 12POS BLK DRW 00000 -03279	0026	45050-03279
F07	42202-52001	1	FUSE SUB-MIN 2AMP	0061	251002
K02,03,102,103,112,113,12,13,32 33,42,43,52,53,62,63,82,83,92,93	83000-00092	20	RELAY REED 3PST 350 OHMS 5V	0138	3600-0031
K06	83000-20006	1	RELAY REED SPDT 500OHMS 3.8V	0111	220-001-5M

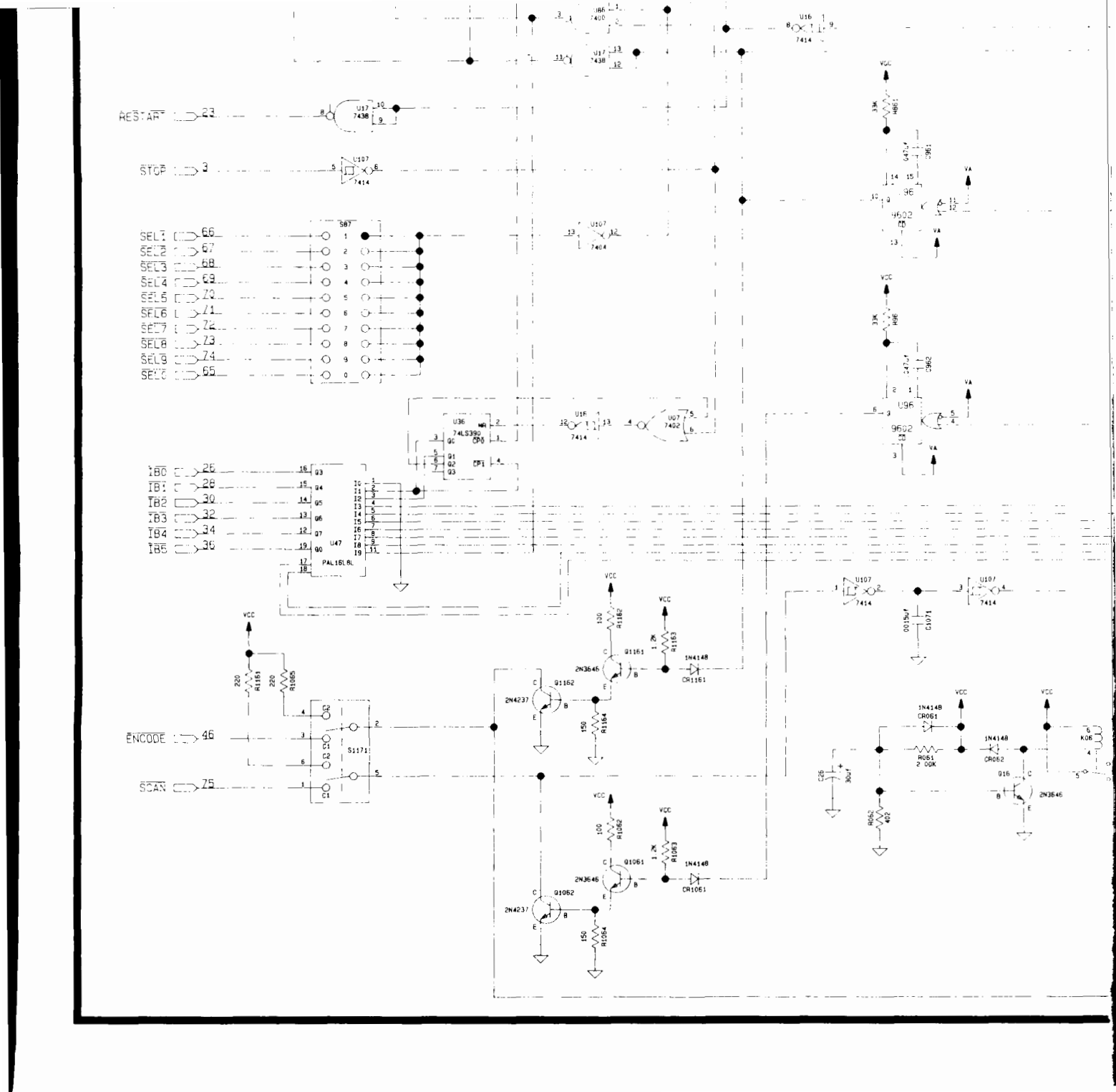
REFERENCE DESIGNATOR	CDS PART NUMBER	QTY	PART DESCRIPTION	MFG NUM	MFG PART NUMBER
PCB	41530-33200	1	P.C. BOARD VERSION 2S 8806	0498	41530-33200
Q1061,1161,16	51100-03646	3	TRANSISTOR NPN HIGH SPEED SWITCH	0074	MPS3646
Q1062,1162	51100-04237	2	TRANSISTOR NPN SWITCH	0074	2N4237
R05	10117-33003	1	330 OHM RES COMP 1-4W 5%	0087	.R25JE-330-5%
R061	14014-20004	1	2K RES FILM 1-4W 1% 50PPM	0069	RN55C2001F
R062	14024-40203	1	402 OHM RES FILM 1-4W 1% 100PPM	0069	RN55D4020F
R1062,1162	10117-10003	2	100 OHM RES COMP1-4W 5%	0087	R25JE-100-5%
R1063,1163	10117-12004	2	1.2K RES COMP 1-4W 5%	0087	R25JE-1.2K-5%
R1064,1164,47	10117-15003	3	150 OHM RES COMP 1-4W 5%	0087	R25JE-150-5%
R1065,1161	10117-22003	2	220 OHM RES COMP 1-4W 5%	0087	R25JE-220-5%
R1151,35	12008-33004	2	3.3K RES NETWORK SIP 5% 1.5W 9-PKG	0027	750-101-R3.3K
R151,162,862	10117-10004	3	1K RES COMP 1-4W 5%	0087	R25JE-1K-5%
R152,85	10117-33004	2	3.3K RES COMP 1-4W 5%	0087	R25JE-3.3K-5%
R161	14054-51102	1	51.1 OHM RES FILM 1-2W 1% 100PPM	0069	RN60D51R1F
R27	12004-10004	1	1K OHM RES NETWORK SIP 5% .9W 5-PKG	0027	750-61-R1K
R37	12006-10005	1	10K OHM RES NETWORK SIP 5% .9W 5-PKG	0027	750-61-R10K
R861,96	14024-33205	2	33.2K RES FILM 1-4W 1% 100PPM	0069	RN55D3322F
S1171	42050-10121	1	SWITCH DIP 1POS DPDT	0048	76SD01S
S65	42050-10122	1	SWITCH DIP 2POS DPDT	0048	76SD02S

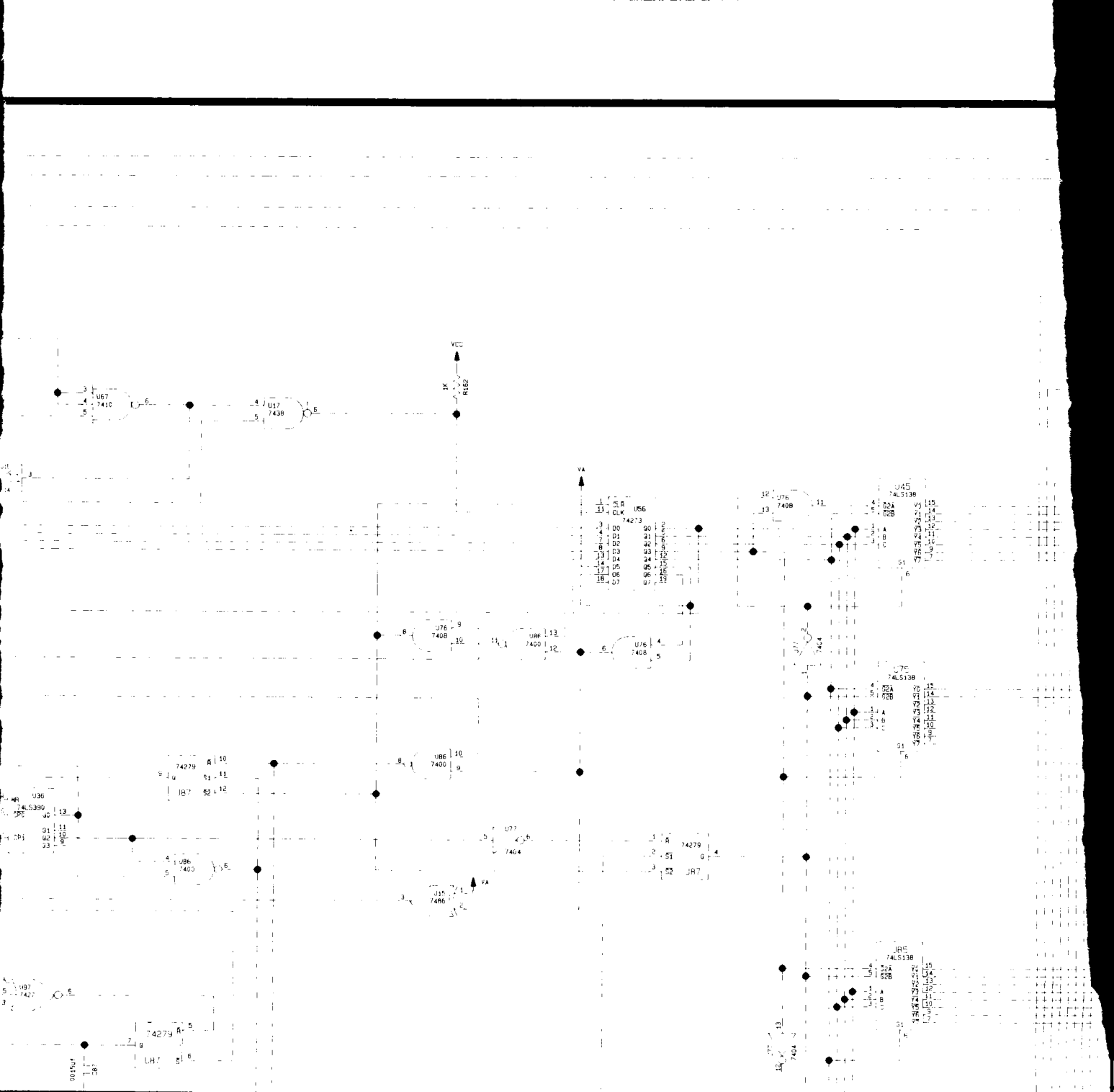
REFERENCE DESIGNATOR	CDS PART NUMBER	QTY	PART DESCRIPTION	MFG NUM	MFG PART NUMBER
S87	42050-10010	1	SWITCH 10POS.	0101	C42315-A61-A11
U05	79000-07442	1	IC TTL BCD-TO-DECIMAL DECODER	0107	7442
U07	76900-07402	1	IC TTL QUAD 2-INPUT NOR GATE	0107	7402
U105,25	79814-00017	2	PAL PROGRAMMED 16L8L REV A 53A-332 AND 333	0026	79814-00017
U107,16	78401-07414	2	IC TTL HEX SCHMITT INVERTING BUFFER	0107	7414
U15	77800-07486	1	IC TTL QUAD 2-INPUT EXCLUSIVE OR GATE	0107	7486
U17	76601-07438	1	IC TTL QUAD 2-INPUT NAND BUFFER W-OC	0107	7438
U26,36	71204-74390	2	IC TTL LS DUAL DECADE COUNTER	0078	74LS390
U27	73310-74367	1	IC TTL LS HEX BUS DRIVER NON-INVERTING	0107	SN74LS367AN
U37	73306-74367	1	IC HC HEX BUFFER DRIVER 3STATE	0092	74HC367N
U45,55,75,85	79002-74138	4	IC TTL S 3-TO-8 LINE DECODER-MULTIPLEXER	0107	74S138
U46,76	77200-07408	2	IC TTL QUAD 2-INPUT AND GATE	0107	7408
U47	79814-00018	1	PAL PROGRAMMED 16L8L REV B 53A-332 AND 333	0026	79814-00018
U56	73000-74273	1	IC TTL OCTAL D-TYPE FLIP-FLOP	0107	74273
U57	73310-74240	1	IC TTL LS OCTAL BUFFER	0107	74LS240
U66,97	76900-07427	2	IC TTL TRIPLE 3-INPUT NOR GATE	0107	7427
U67	76600-07410	1	IC TTL TRIPLE 3-INPUT NAND GATE	0107	7410
U77	73300-07404	1	IC TTL HEX INVERTER	0107	7404
U86	76600-07400	1	IC TTL QUAD 2-INPUT NAND GATE	0107	7400
U87	73200-74279	1	IC TTL QUAD R-S LATCH	0107	74279

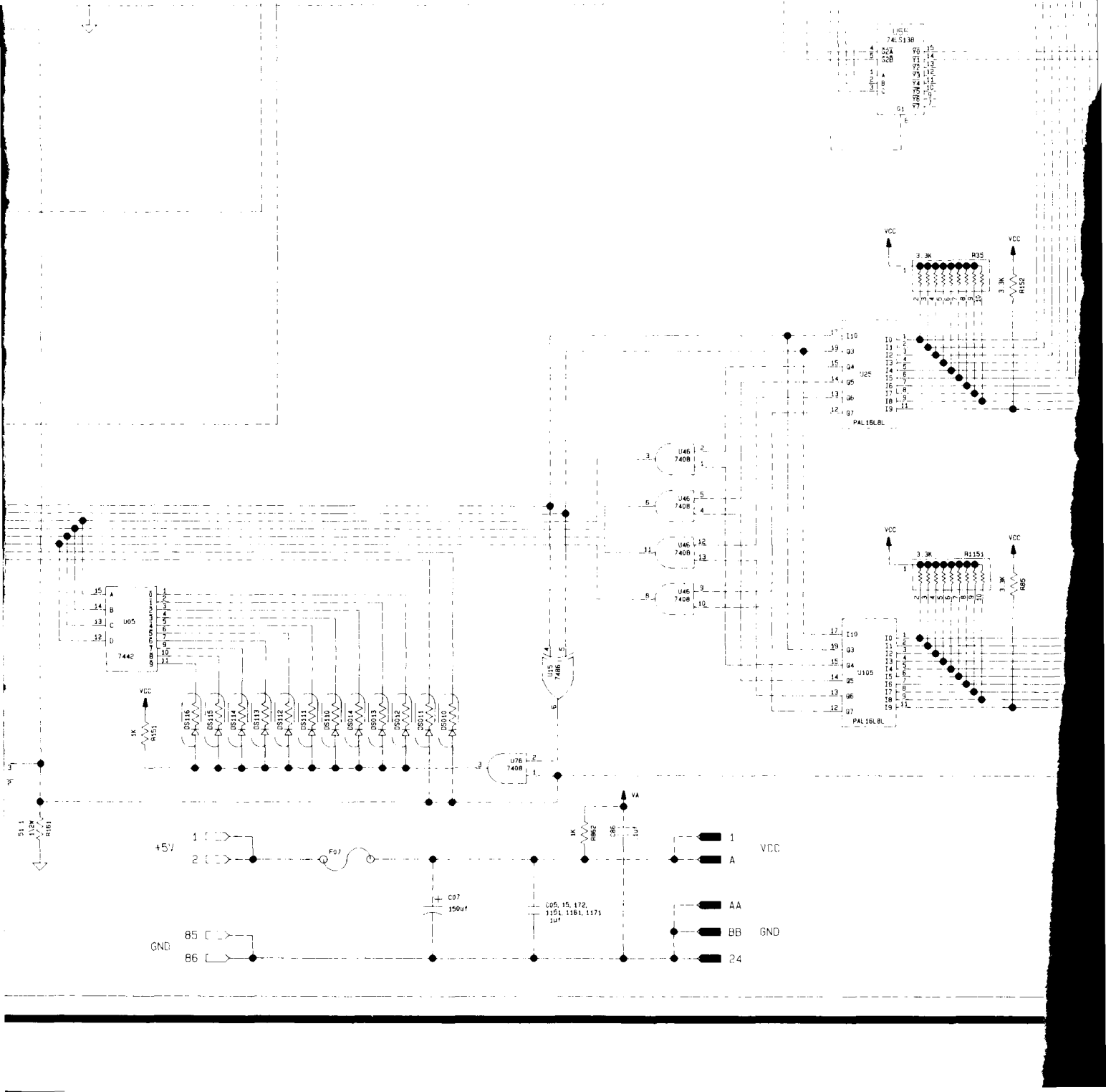
REFERENCE DESIGNATOR	CDS PART NUMBER	QTY	PART DESCRIPTION	MFG NUM	MFG PART NUMBER
U96	74200-09602	1	IC TTL DUAL RETRIGGERABLE MONOSTABLE	0078	9602
W1,2,3	93517-75398	3	BUS BAR P.6 F.3 X11 L7.05	0090	M-833 11.6.3
X101,102	45001-12100	2	CONNECTOR SIP 12 PIN	0026	45001-12100

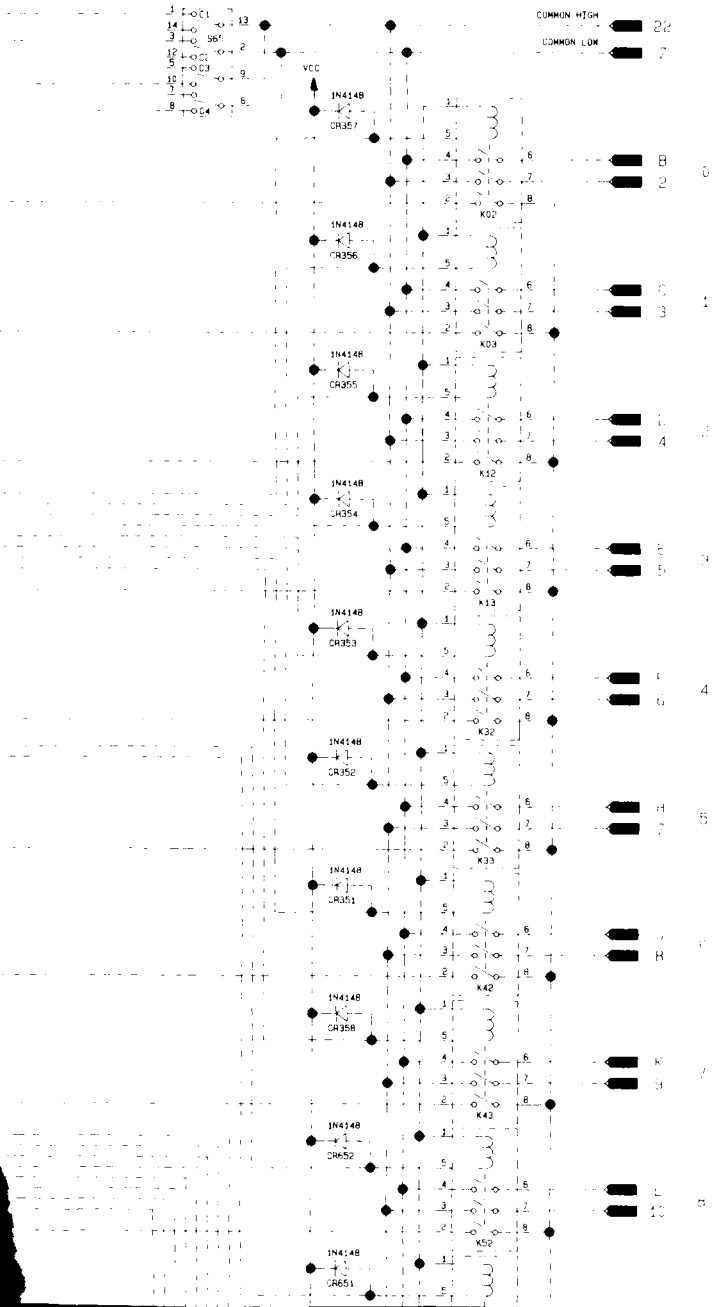

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E2
E3
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DS012
DS013
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DS115
DS116
DS01
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X102
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U85
U105
K06
U16
U26
U36
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U76
U86
U96
U1151
U07
U17
U27
U37
U47
U57
U67
U77
U87
U97
U107
C07
C26
C86
C87
C961
C962
C1161
C1171
C1071
R161
R162
R27
R37
R47
R861
R96
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W1
W2
W3

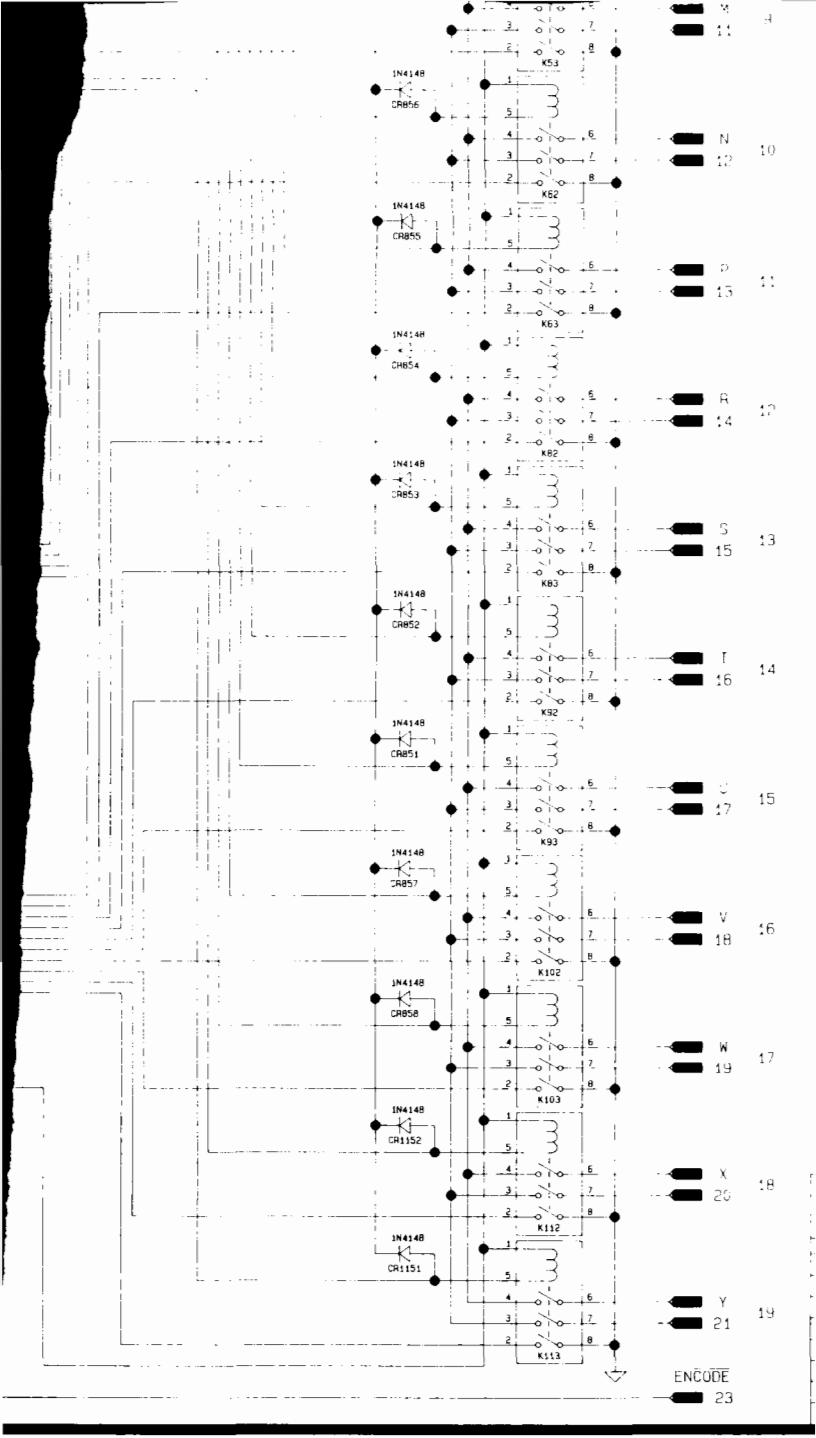

P
L
G
S
OB0
OB1
OB2
OB3
OB4
OB5
OB6
I/O
U57
74LS240
VCC
1K
R27
U27
74LS367
T3
100KHZ
A
T5
T4
U16
7414
U17
74H
U07
7402
U66
7427
U67
7410
U77
7404
10K
R33
U37
74HC367
T7
T8
T6 L
FLAG
R47
150
R05
330
POWER LED
LS0.1
U107
U97
U26
74LS390


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STOP 3
SEL1 66
SEL2 67
SEL3 68
SEL4 69
SEL5 70
SEL6 71
SEL7 72
SEL8 73
SEL9 74
SEL0 65
IB0 25
IB1 28
IB2 30
IB3 32
IB4 34
IB5 36
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SCAN 75
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U76
7408
R161
5.1
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45V
F07
C07
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C05, 15, 172,
1151, 1161, 1171
1uf
R862
C86
1uf
VA
GND
VCC
AA
BB
24


COMMON HIGH
COMMON LOW
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7
VCC
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CR357
CR356
CR355
CR354
CR353
CR352
CR351
CR358
CR652
CR651
K02
K03
K12
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1N4148
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9329-03-D

REVISION LEVEL	ECO #
8603-02-A	402
8702-03-A	
8806-03-B	687
8806-03-C	2290
9329-03-D	2410

COLORADO DATA SYSTEMS

PART NO.: 53A-332

DESCRIPTION: REED RELAY SCANNER

P.C.B. NUMBER: 41530-33200

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