REV	DESCRIPTION OF CHANGE	ECN NO DATE
	NEW PART RELEASE	14564 8-26-85

NOTES:

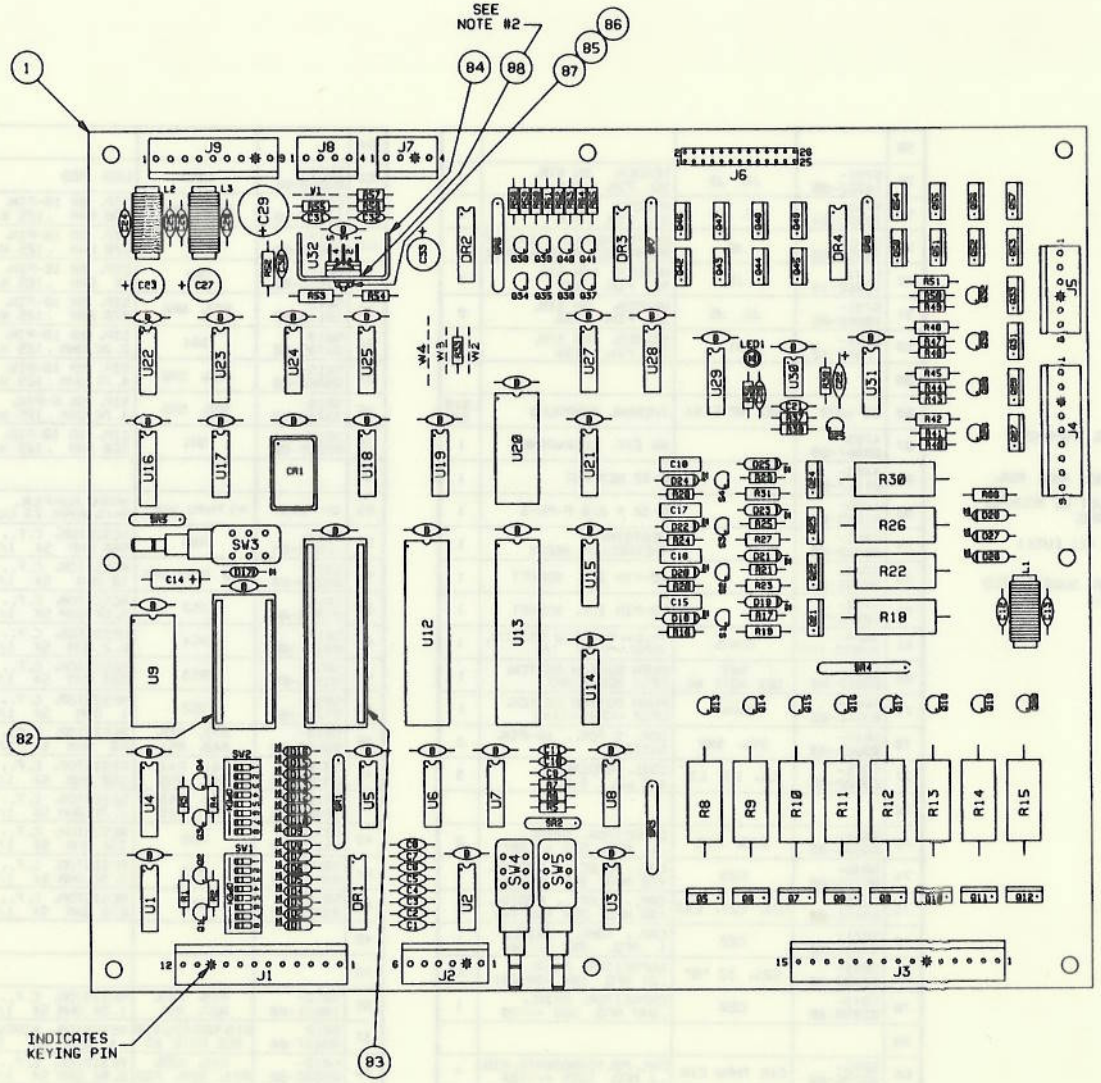
1. FOR SCHEMATIC, REFER TO DRAWING NO. 16-8925.
2. 1.0K OHM RESISTOR: R5, R6, R7, R17, R21, R25, R29, R33, R55, R56.
3. FOR ITEMS #35 AND #37 RESISTORS MUST BE MOUNTED 1/8 INCH ABOVE SURFACE OF P.C. BOARD.
4. USE THERMAL COMPOUND BETWEEN ITEM #21 (U32) AND ITEM #84.
5. ITEM #80, PT. #5641-09653-00 CAN BE SUBSTITUTED BY PT. #5641-09312-00. (ITEM #79).

ITEM	PART NO.	PART DESIGNATION	DESCRIPTION	QTY.
96				
95	5791-10862-09	J4, J9	HEADER, 9H STR. SQ. PIN, .156	2
94	5791-10862-04	J7, J8	HEADER, 4H STR. SQ. PIN, .156	2
93	5791-10850-00	J6	26-PIN HEADER, STRAIGHT UNSHROUDED RIBBON CABLE	1
92	5791-10862-15	J3	HEADER, 15H STR. SQ. PIN, .156	1
91	5791-10862-06	J2, J5	HEADER, 6H STR. SQ. PIN, .156	2
90	5791-10862-12	J1	HEADER, 12H STR. SQ. PIN, .156	1
89				
88	20-9229	SEE NOTE #4	THERMAL COMPOUND	.010 OZ.
87	4703-00007-00		#6 EXT. LOCKWASHER	1
86	4406-01117-00		6-32 HEX NUT	1
85	4006-01003-06		6-32 X 3/8 P-PH-S	1
84	5705-09199-00		HEATSINK THERMALLOY #6030	1
83	5700-08985-00		40-PIN I.C. SOCKET	1
82	5700-10176-00		28-PIN I.C. SOCKET	1
81	5641-10870-00	SW5	PUSH BUTTON SWITCH, DPDT 30V 1A.	1
80	5641-09653-00	SW3 SEE NOTE #5	PUSH BUTTON SWITCH, SPST MOMENTARY	1
79	5641-09312-00	SW4	PUSH BUTTON SWITCH, DPDT MOMENTARY	1
78	5645-09025-00	SW1, SW2	DIP, 8-POS., 16-PIN, SWITCH	2
77	5551-09822-00	L1, L2, L3	COIL, RADIAL, 4.7 µH, 3 A.	3
76				
75	5043-08996-00	C30, C32	CAPACITOR, AXIAL, .1 MFD. 50V +/-20%	2
74	5040-09776-00	C29	CAP., ELECT., RADIAL, 470 MFD. 16V +50-10%	1
73	5040-09421-00	C23, C27, C33	CAP., ELECT., RADIAL, 100 MFD. 25V +50-10%	3
72	5041-09031-00	C22	CAP., TANT., AXIAL, 1 MFD. 25V +/-20%	1
71	5043-08980-00	C21, 32 "B"	CAPACITOR, AXIAL, .01 MFD. 50V +80-20%	33
70	5043-09030-00	C20	CAPACITOR, AXIAL, .047 MFD. 50V +/-20	1
69				
68	5045-09796-00	C15 THRU C18	CAP., POLYCARBONATE, RID. .1 MFD. 100V +/-10%	4
67	5040-09545-00	C14	CAP., ELECT., AXIAL, 22 MFD. 10V +50-10%	1
66	5043-09845-00	C12, C13, C24, C25, C26, C28, C31	CAPACITOR, AXIAL, 1K PFD. 50V +/-20%	7
65	5043-09065-00	C1 THRU C11	CAPACITOR, AXIAL, 470 PFD. 50V +/-20%	11
64				
63	5671-09019-00	LED1	LED, RED	1
62	5019-10849-00	DR3, DR4	DIP, 8R 16-PIN, 100 OHM .125 W/R 5%	2
61	5019-10501-00	DR2	DIP, 8R 16-PIN, 270 OHM .125 W/R 5%	1
60	5019-10458-00	DR1	DIP, 8R 16-PIN, 1K OHM .125 W/R 5%	1
59	5019-10143-00	SR7, SR8	SIP, 9R 10-PIN, 470 OHM .125 W/R 5%	2
58	5019-09705-00	SR4	SIP, 9R 10-PIN, 2.2K OHM .125 W/R 5%	1
57	5019-09362-00	SR3, SR6	SIP, 9R 10-PIN, 4.7K OHM .125 W/R 5%	2
56	5019-09706-00	SR2, SR5	SIP, 5R 6-PIN, 4.7K OHM .125 W/R 5%	2
55	5019-09808-00	SR1	SIP, 9R 10-PIN, 560 OHM .125 W/R 5%	1
54				
53	20-9491	W1 THRU W4	WIRE JUMPER, BUS WIRE 22 GUAGE	4"
52	5010-10859-00	R66	RESISTOR, C.F., 560 OHM 5% 1/2 WATT	1
51	5010-09039-00	R58 THRU R65	RESISTOR, C.F., 10 OHM 5% 1/4 WATT	8
50	5010-09363-00	R57	RESISTOR, C.F., 5.6K OHM 5% 1/4 WATT	1
49	5010-09161-00	R54	RESISTOR, C.F., 2.2 OHM 5% 1/4 WATT	1
48	5010-09361-00	R53	RESISTOR, C.F., 220 OHM 5% 1/2 WATT	1
47	5010-09181-00	R52	RESISTOR, C.F., 1 OHM 5% 1/2 WATT	1
46	5010-08993-00	R42, R45, R48, R51	RESISTOR, C.F., 68 OHM 5% 1/2 WATT	4
45	5010-08992-00	R41, R44, R47, R50	RESISTOR, C.F., 560 OHM 5% 1/4 WATT	4
44	5010-08997-00	R40, R43, R46, R49	RESISTOR, C.F., 2.7K OHM 5% 1/4 WATT	4
43	5010-09113-00	R39	RESISTOR, C.F., 33K OHM 5% 1/4 WATT	1
42	5010-08983-00	R37	RESISTOR, C.F., 3.3K OHM 5% 1/4 WATT	1
41	5010-09224-00	R36	RESISTOR, C.F., 270 OHM 5% 1/4 WATT	1
40				
39				
38	5010-10631-00	R19, R23, R27, R31	RESISTOR, C.F., 1.2K OHM 5% 1/2 WATT	4
37	5012 09037-00	R18, R22, R26, R30 SEE NOTE #3	RESISTOR, WIREWOUND .4 OHM 5% 3 WATT	4
36	5010-09086-00	R16, R20, R24, R28, R38	RESISTOR, C.F., 6.8K OHM 5% 1/4 WATT	5
35	5012-10860-00	R8 THRU R15 SEE NOTE #3	RESISTOR, C.F., 27 OHM 5% 5 WATT	8
34	5010-09358-00	SEE NOTE #2	RESISTOR, C.F., 1.0K OHM 5% 1/4 WATT	10
33	5010-09999-00	R1 THRU R4	RESISTOR, C.F., 2K OHM 5% 1/4 WATT	4
32				
31	5070 0625			
30	5070 0891			
29	5130 0901			
28	5190 0901			
27	5162 0941			
26	5162 0897			
25	5191 0892			
24	5166 0893			
23				
22	5521 1054			
21	5370 0915			
20	5431 0944			
19	5280 0900			
18				
17	528 0972			
16	528 0941			
15	5280 0930			
14	5280 0900			
13	528 1000			
12	5310 0920			
11	5280 0890			
10	528 0970			
9	5370 1030			
8	5430 0890			
7	5340 0980			
6	528 0940			
5	528 0920			
4	528 0920			
3	5310 0890			
2	528 0920			
1	5760 1070			

BILL OF MATERIALS

PROJ ENGR MARK LOFFREDO	DO NOT SCALE WORK TO DIMENSIONS SHOWN	REMOVE BURRS – BREAK SHARP EDGES	
DWN BY R. GAY DATE 5/9/85		TOLERANCES UNLESS OTHERWISE SPECIFIED	
CHECKED BY DATE 5/23/85	FIRST PROJECT NO 543-N	FRACTIONAL ±1/64 ANGULAR ±1°	DECIMAL ±.005 FILLETS .020 MAX
APPROVAL DATE	FIRST USAGE D-10538	QTY 1	MATERIAL NONE

REV	DESCRIPTION OF CHANGE	ECN NO DATE
	NEW PART RELEASE	19564 8-26-87

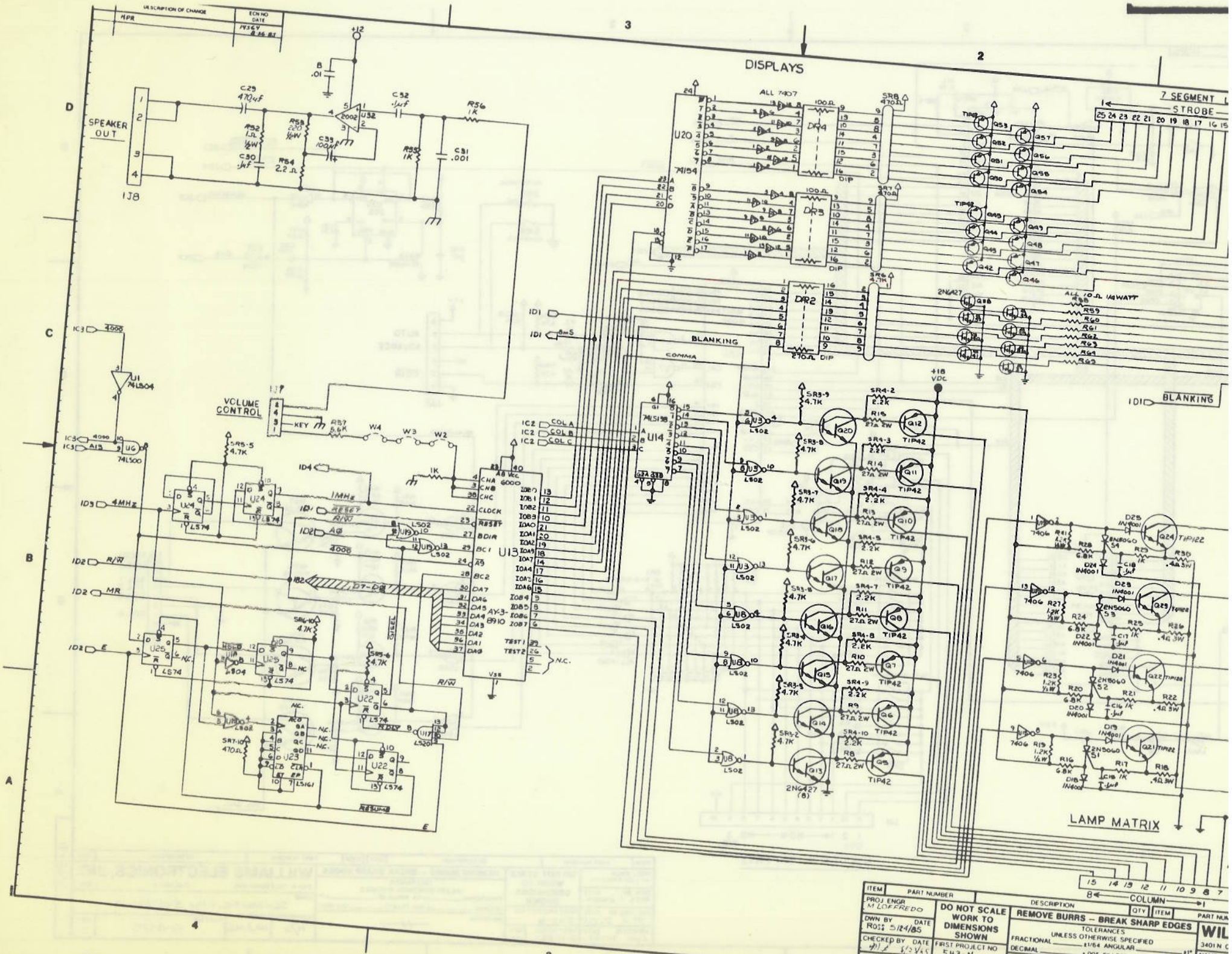


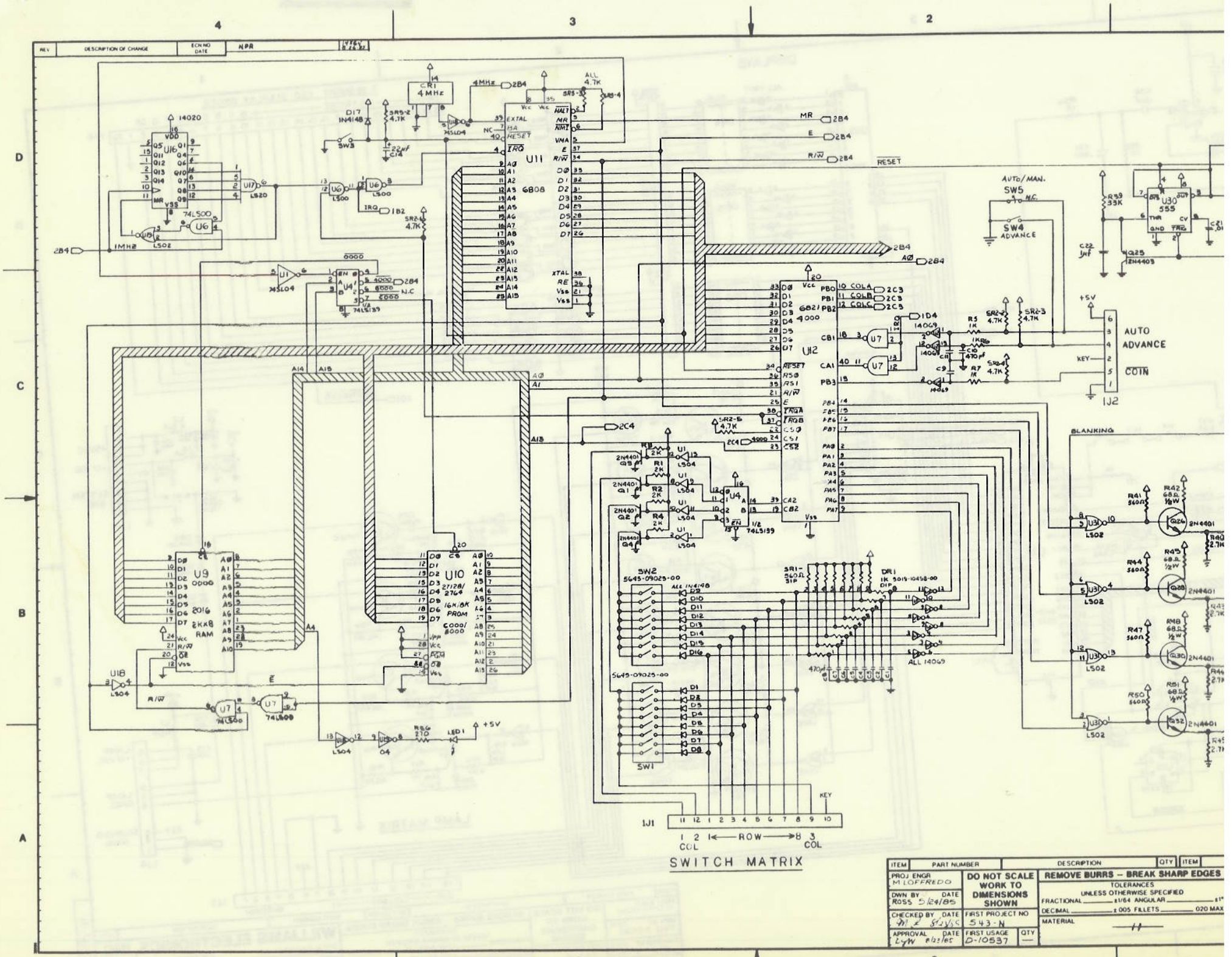
NOTES:

1. FOR SCHEMATIC, REFER TO DRAWING NO. 16-8925.
2. USE THERMAL COMPOUND BETWEEN ITEM #21 (U32) AND ITEM #84.

ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM

PROJ ENGR MARK LOFFREDO	DO NOT SCALE WORK TO DIMENSIONS SHOWN	REMOVE BURRS – BREAK SHARP E
DWN BY R. GAY DATE 5-9-85		TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONAL ±1/64 ANGULAR DECIMAL ±.005 FILLETS
CHECKED BY DATE 5/13/85	FIRST PROJECT NO 543-N	MATERIAL NONE
APPROVAL DATE 5/13/85	FIRST USAGE D-1053B QTY 1	


DESCRIPTION OF CHANGE
ECN NO DATE
MPR
DISPLAYS
7 SEGMENT
STROBE
SPEAKER OUT
VOLUME CONTROL
BLANKING
COMMA
LAMP MATRIX
COLUMN
ALL 7407
ALL 10Ω 1/4WATT
AY-3-8910
6000
74154
74LS138
74LS00
74LS04
74LS74
74LS161
74LS02
74LS20
74LS04
74LS06
2002
DR4
DR3
DR2
TIP42
TIP122
2N6027
2N5060
1N4001
+12
+18 VDC
4MHz
1MHz
RESET
R/W
MR
E
A8
D7-D0
ID1
ID2
ID3
ID4
IC2
IC3
COL A
COL B
COL C
N.C.
ITEM
PART NUMBER
DESCRIPTION
QTY
PROJ ENGR
M LOFFREDO
DWN BY
ROSS 5/24/85
CHECKED BY
DATE
APPROVAL
DO NOT SCALE WORK TO DIMENSIONS SHOWN
REMOVE BURRS -- BREAK SHARP EDGES
TOLERANCES
UNLESS OTHERWISE SPECIFIED
FRACTIONAL ±1/64 ANGULAR ±1°
DECIMAL ±.005 FILLETS
FIRST PROJECT NO
543-N
WIL
3401 N C
NAME


REV
DESCRIPTION OF CHANGE
ECN NO
DATE
NPR
U11
6808
U12
6821
4000
U9
2016
2KX8
RAM
U10
27128/
2764
16K/8K
PROM
U4
74LS139
U16
74LS00
U17
LS20
U6
LS00
U1
74LS04
U3
LS02
U7
74LS00
U30
555
SW1
SW2
5645-09025-00
SW4
ADVANCE
SW5
AUTO/MAN.
J2
AUTO
ADVANCE
COIN
KEY
BLANKING
J1
SWITCH MATRIX
COL
ROW
COL
ITEM
PART NUMBER
DESCRIPTION
QTY
PROJ ENGR
M LOFFREDO
DO NOT SCALE
WORK TO
DIMENSIONS
SHOWN
REMOVE BURRS – BREAK SHARP EDGES
TOLERANCES
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DWN BY
ROSS
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5/24/85
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543-N
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DATE
FIRST USAGE
D-10537
QTY
MATERIAL