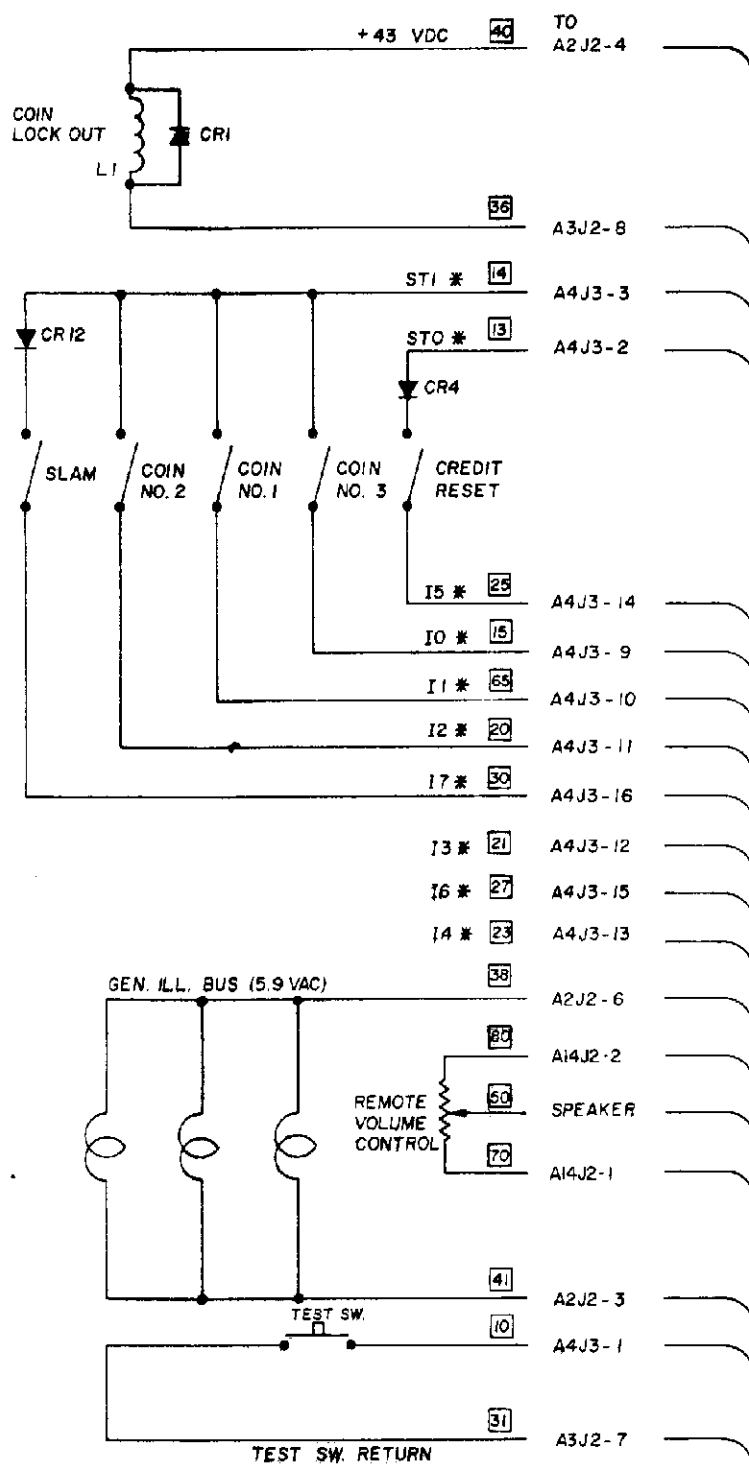
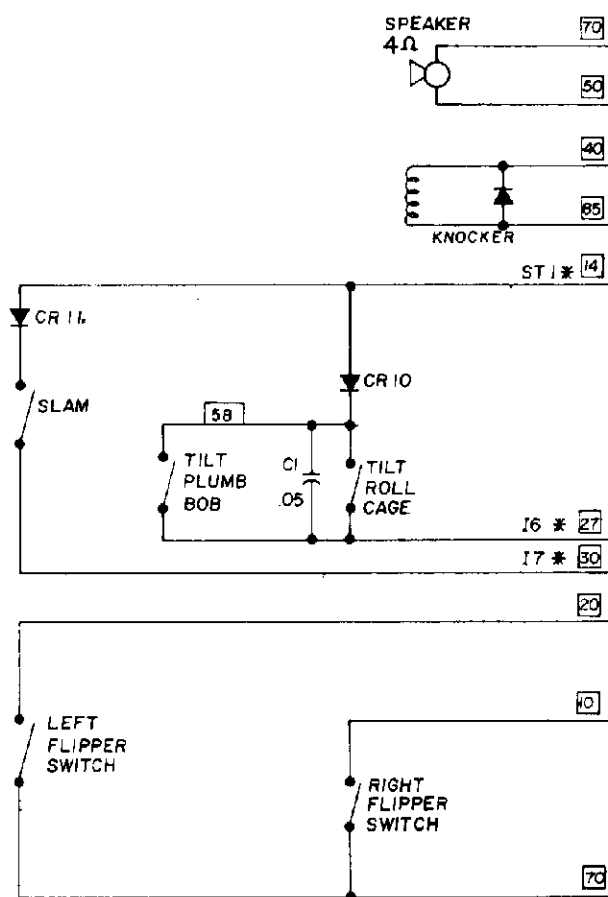




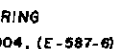
NOTES: (CAUTION)

1. USE BALLY PART NO. E-713 FOR 115-120 VAC.
2. USE BALLY PART NO. E-713-1 FOR 220-240 VAC.
3. * INDICATES AID TEST POINT.

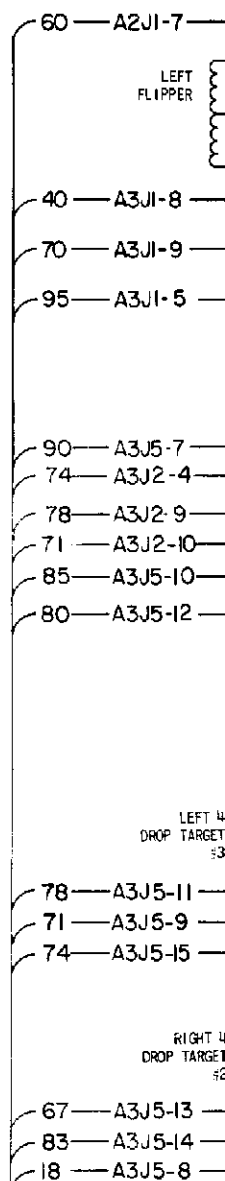
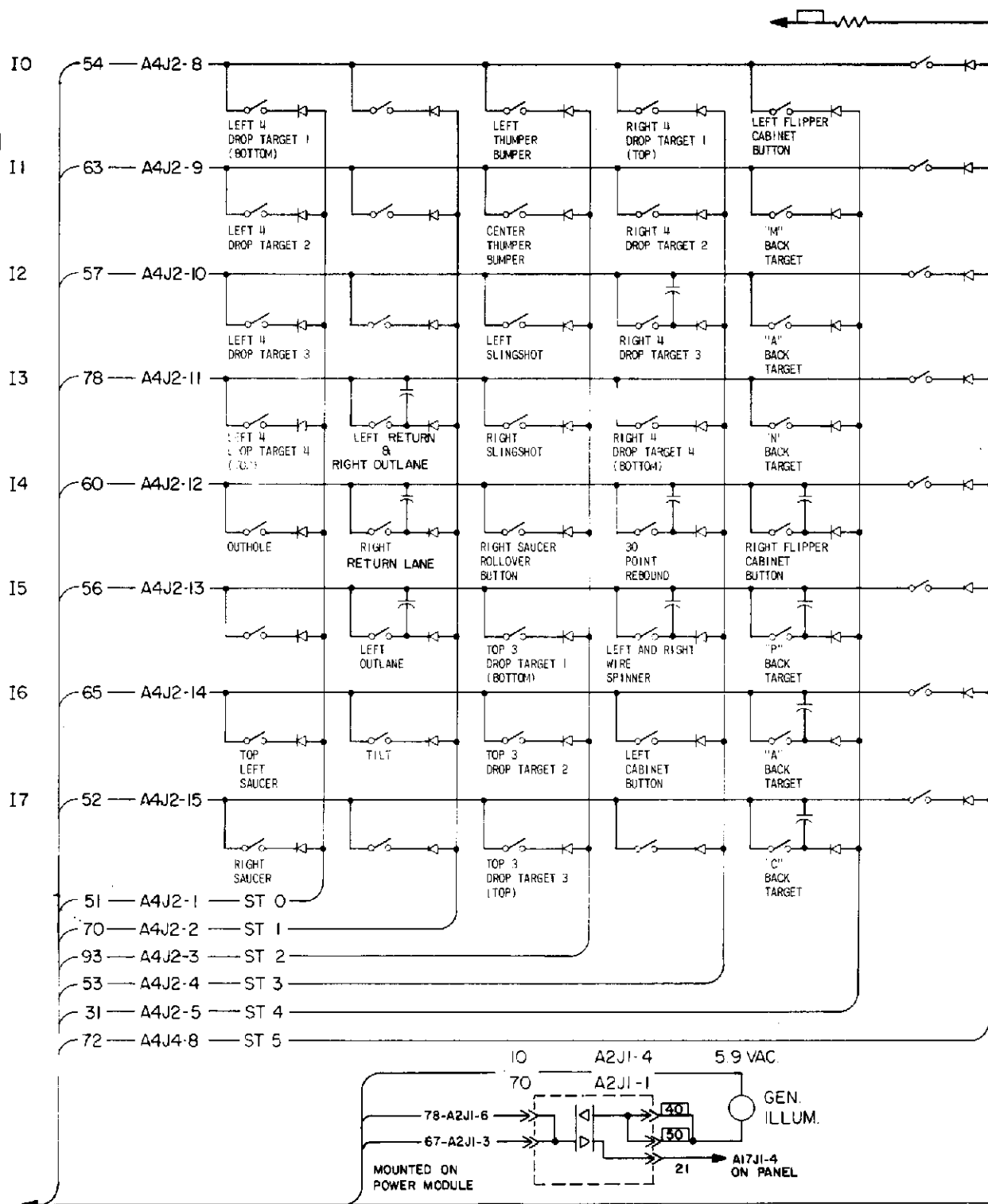


TO	J1 PIN	TO	J1 PIN
A4J3-9	1	A4J3-3	11
A4J3-10	2	A2J2-4	15
A4J3-11	3	A3J2-8	16
A4J3-12	4	A2J2-6	17
A4J3-13	5	A2J2-3	18
A4J3-14	6	A4J3-1	19
A4J3-15	7	A3J2-7	20
A4J3-16	8	SPEAKER	9
A4J3-2	10	A14J2-1	12
DOOR PLUG		A14J2-2	13

A7 CABINET ASS'Y. WIRING
NOTE: DIODES ARE IN4004.



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				ALL DIMENSION OPERATIONAL AND FINISHES DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CO. (PACIFIC) INC. THIS INFORMATION IS UNCLASSIFIED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED, OR DISSEMINATED BY OTHERS WITHOUT THE WRITTEN PERMISSION OF BALLY MFG. CO. (PACIFIC) INC. IN PART OR IN WHOLE WITHOUT THE EXPRESS CONSENT OF THE ORIGINATOR. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF THE LENDERS AND MUST BE RETURNED ON DEMAND.			
REMOVE ALL BURRS				DR BY REC DATE 3-82		Bally MANUFACTURING CORP.	
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED				DATE 5-25-82		2640 BELMONT AVENUE #1283	
FRACTIONS - 1/16 DECIMALS - .001 EXCEPT HOLE DIA S ANGLES				APPROV BY W DATE 6-1-82		CHICAGO ILLINOIS	
DO NOT SCALE DRAWING				ADD BY W DATE 6-1-82		DIE SIZE " C.C. FT PERM .LS PER M	
FINISH				MATERIAL		ASSEM NO USED	
HARDENING				PAC MAN		SC	
NO LET CHANGE DATE BY				WIRING DIAGRAM - CABINET		PART NO	
W-1186-20c				W-1186-20c		W-1186-20c	



PLAYFIELD A6

NOTES

1. INDICATES NOT USED
2. N/U = NOT USED ON PLAYFIELD
3. * INDICATES AID TEST POINT
4. COIL DIODES ARE IN4004 (E-587-6) SWITCH DIODES ARE IN4148 (E-587-14)
ALL CAPACITORS ARE .05 MFD. (E-586-80)
5. GERMANY ONLY - CAPACITOR .01 MFD. @ 500 V. (E-586-65)

A| INSERT

		(PLAYER 1) 1A1	(PLAYER 2) 2A1	(PLAYER 3) 3A1	(PLAYER 4) 4A1	CREDIT DISPLAY 5A1			SWITCH ILL. BU 5
TO		J1	J1	J1	J1	J1	TO		
10 - A3J3-8	1	1	1	1	1	1	12	A5J2-14	☐
N/U	2	2	2	2	2	2	23	A5J2-15	☐
N/U	3	3	3	3	3	3	20	A5J2-2	☐
80 - A4J1-1	4	4	4	4	4	4	60	A5J2-1	☐
20 - A4J1-2	5	5	5	5	5	5	47	A5J2-21 SHOOT AGAIN	☐
30 - A4J1-3	6	6	6	6	6	6	95	A5J2-11 GAME OVER	☐
40 - A4J1-4	7	7	7	7	7	7	35	A5J2-10 TILT	☐
50 - A4J1-5	8	8	8	8	8	8	34	A5J2-16	☐
58 - A4J1-6	9	9	9	9	9	9	98	A5J2-20	☐
70 - A4J1-10	10	10	10	10	10	10	85	A5J2-6	☐
N/U	11	11	11	11	11	11	91	A5J2-7	☐
84 - A4J1-7	12	12	12	12	12	12	97	A5J2-23 HIGH SCORE	☐
60 - A3J3-20	13	13	13	13	13	13	70	A5J2-8 MATCH	☐
KEY	14	14	14	14	14	14	62	A5J2-22 BALL IN PLAY	☐
85 - A4J1-20	15	15	15	15	15	15	84	A5J2-3	☐
54 - A4J1-28	16	16	16	16	16	16	72	A5J2-4	☐
38 - A4J1-27	17	17	17	17	17	17		A5J2-5 NOTE 1	☐
25 - A4J1-26	18	18	18	18	18	18		A5J2-9 NOTE 1	☐
51 - A4J1-25	19	19	19	19	19	19	61	A5J2-12	☐
45 - A3J3-17	20	20	20	20	20	20	53	A5J2-13	☐
		A4J1-21	A4J1-22	A4J1-23	A4J1-24				A2
						AIJ2 SEE TABLE A			

LAMP DRIVER A5

J4	TO	J2	TO	J1	TO	J3	TO
51	1 A2J3-3	60	1 N RIGHT DROP TARGET	4	1 +3 YEL. PAC MAZE	10	1 +1 YEL. PAC MAZE
8	2 A2J3-2	20	2 A RIGHT DROP TARGET	52	2 +13 YEL. PAC MAZE	95	2 +0 LEFT DROP TARGET
84	3 A3J3-16	84	3 N U	45	3 +5 YEL. PAC MAZE	8	3 +23 YEL. PAC MAZE
74	4 A4J1-19	72	4 N U	35	4 N U	14	4 +25 YEL. PAC MAZE
71	5 A4J1-18	5	5 N U	48	5 L & R LANE 50K ARROW	5	5 N/U
23	6 A4J1-17	85	6 PAC MAN	25	6 LEFT DROP TARGET	6	6 N/U
63	7 A4J1-16	91	7 PAC MAN	34	7 DROP TARGET 50M	7	7 N/U
8	8 KEY	70	8 MATCH	51	8 +1 YEL. PAC MAZE	8	8 KEY
9	9 N/U	9	9 N U	43	9 +7 YEL. PAC MAZE	15	9 +12 YEL. PAC MAZE
10	10 N/U	35	10 TILT	23	10 +23 YEL. PAC MAZE	91	10 L & R LANE 40K ARROW
58	11 A2J3-4	95	11 GAME OVER	65	11 RT. SAU. 10 MOVES AR	20	11 +12 YEL. PAC MAZE
12	12 SPARE GND	63	12 N U	81	12 RIGHT DIRECTION ARROW	21	12 +5 YEL. PAC MAZE
75	13 A4J1-II	53	13 N U	96	13 +1 LEFT DROP TARGET	35	13 CREDIT INDICATOR
32	14 A4J1-15	12	14 +5 PAC MAN	67	14 +20 YEL. PAC MAZE	84	14 LEFT DIRECTION ARROW
13	15 A4J1-14	23	15 N RIGHT DROP TARGET	18	15 +24 YEL. PAC MAZE	53	15 +6 YEL. PAC MAZE
45	16 A4J1-13	34	16 PAC MAN	90	16 3 DROP TARGET 20K	25	16 +18 YEL. PAC MAZE
48	17 A4J1-12	17	17 N U	57	17 +12 YEL. PAC MAZE	13	17 +14 YEL. PAC MAZE
		18	18 KEY	58	18 +4 YEL. PAC MAZE	56	18 LEFT GATE ARROW
		19	19 N U	60	19 +2 YEL. PAC MAZE	67	19 +10 YEL. PAC MAZE
		98	20 PAC MAN	20	20 KEY	78	20 L & R LANE 50K ARROW
		47	21 SHOOT AGAIN	21	21 N/U	84	21 L & R LANE 50K ARROW
		62	22 BALL IN PLAY	22	22 N/U	23	22 SAME PLAYER S.A.
		97	23 HIGH SCORE TO DATE	12	23 +16 YEL. PAC MAZE	98	23 +22 YEL. PAC MAZE
				50	24 L & R LANE 10K ARROW	72	24 DOWN DIRECTION ARROW
				75	25 L & R LANE 5 BALL	36	25 +6 YEL. PAC MAZE
				91	26 N U	38	26 +2 YEL. PAC MAZE
				53	27 UP DIRECTION ARROW	40	27 3 DROP TAR. PAC MAN
				78	28 PAC MAN WAZE	28	28 N/U
					AGGRESSIVE		

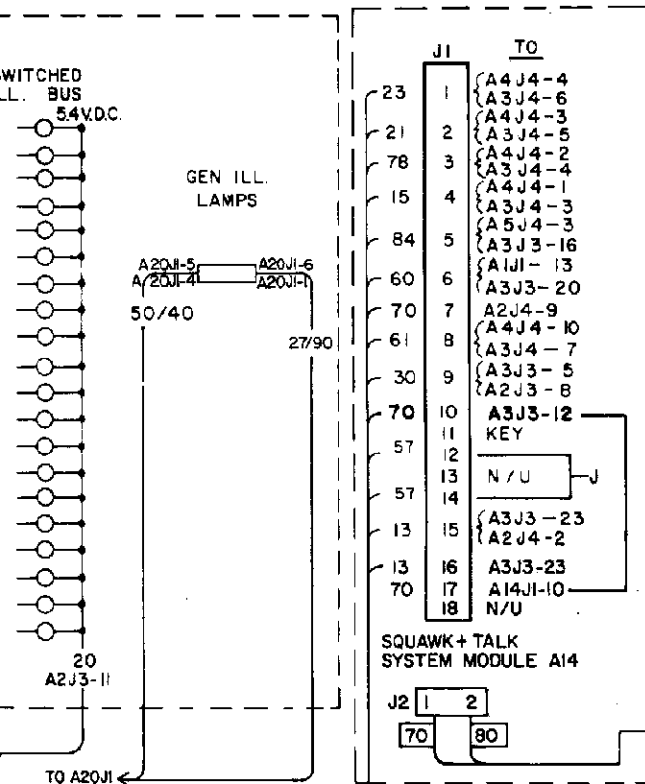
MPU A4

J5	J1	J4	J2
1 D7	80 1 AIJ1-4	15 1 A3J4-3	51 1
2 D6	20 2 AIJ1-5	78 2 A3J4-4	70 2
3 D5	30 3 AIJ1-6	21 3 A3J4-5	93 3
4 D4	40 4 AIJ1-7	23 4 A3J4-6	53 4
5 D3	50 5 AIJ1-8	72 5 A3J4-11	31 5
6 D2	58 6 AIJ1-9	27 6 A3J4-9	7 6
7 D1	84 7 AIJ1-12	25 7 A3J4-8	7 7
8 D0	90 8 A3J1-3	36 8 A3J1-15	54 8
9 AI3	9 KEY	9 N/U	63 9
10 AI2	70 10 AIJ1-10	61 10 A3J4-7	57 10
11 AI1	75 11 A5J4-13	11 N/C	78 11
12 AI0	43 12 A5J4-17	14 12 A3J3-11	60 12
13 A9	45 13 A5J4-16	13 N/C	56 13
14 A8	13 14 A5J4-15	14 KEY	65 14
15 A7	32 15 A5J4-14	90 15 A2J3-9	52 15
16 A6	63 16 A5J4-7	96 16 A3J3-14	
17 A5	23 17 A5J4-6	54 17 A3J3-15	
18 A4	71 18 A5J4-5	94 18 A3J3-18	
19 A3	74 19 A5J4-4	81 19 A3J3-19	
20 A2	85 20 AIJ1-15		
21 A1	31 21 2AIJ1-15		
22 A0	72 22 3AIJ1-15		
23 R/W	67 23 4AIJ1-15		
24 HLT	18 24 5AIJ1-15		
25 RES	51 25 AIJ1-19		
26 VMA	25 26 AIJ1-18		
27 0 2	38 27 AIJ1-17		
28 EX MEM	54 28 AIJ1-16		
29 KEY			
30 +5VDC			
31 GND			
32 A4J11-18			

NOTES:

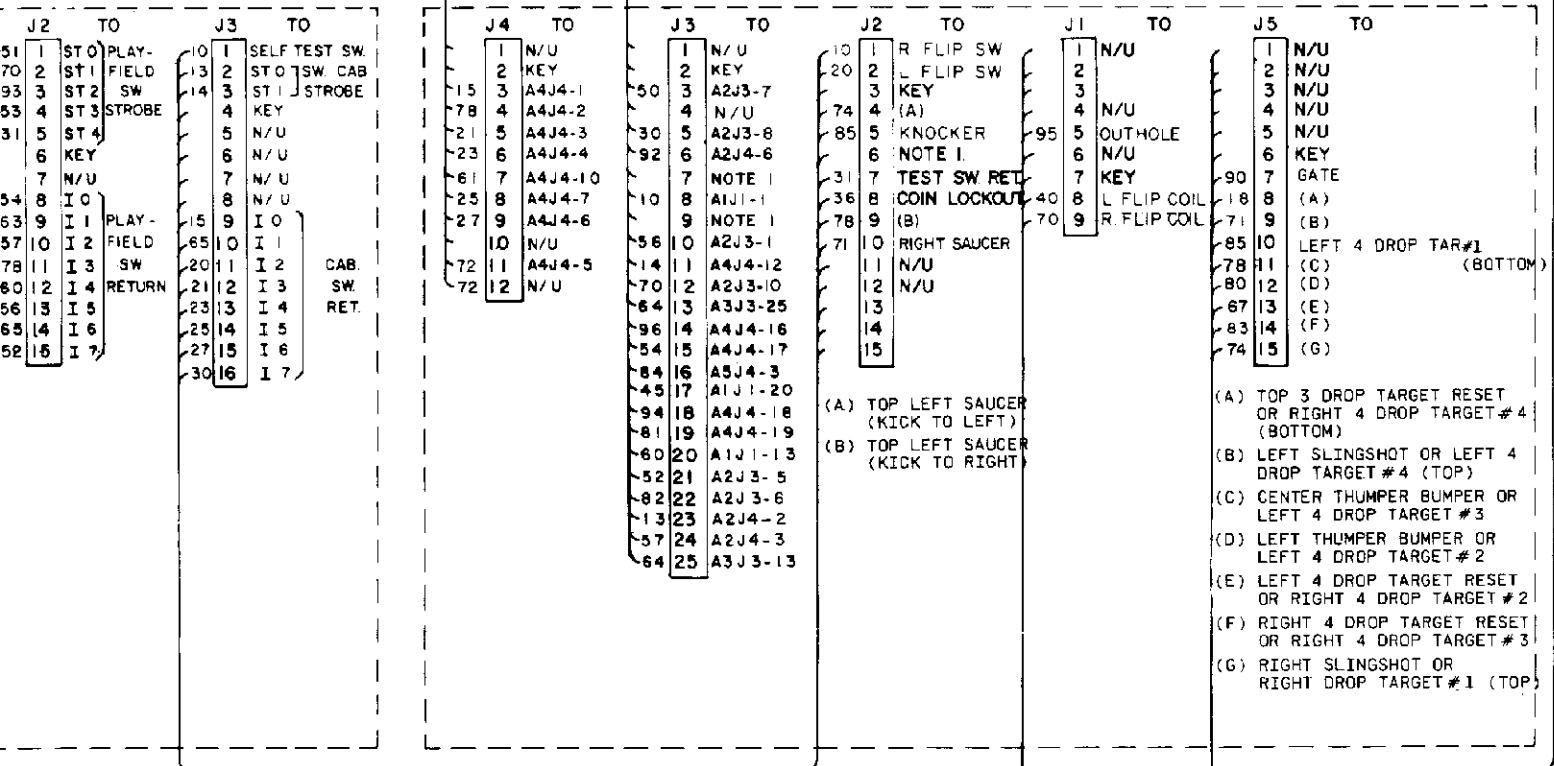
1. THESE PINS ARE RESERVED FOR FUTURE USE.
2. WIRE COLOR ARE SHOWN FOR ALL CONNECTOR PINS, SOME WIRE MAY NOT BE USED IN ALL GAMES.
3. * INDICATES AID TEST POINT.

1-	
2-	
3-	
4-	
5-	



9 PIN PLUG		
FROM	PIN	WIRE
A2J4-18	1	10
A5J2-10	2	35
A2J3-11	3	20
A5J2-8	4	70
A2J4-1	5	50
A5J2-11	6	95
A5J2-23	7	97
A4J4-8	8	36
	9	

VOLTAGE REGULATOR / SOLENOID DRIVER A3



WIRE COLOR CODE

1-RED	6-BROWN
2-BLUE	7-ORANGE
3-YELLOW	8-BLACK
4-GREEN	9-GRAY
5-WHITE	0-NO TRACE

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REMOVE ALL BURRS

TOLERANCES ON
DIMENSIONS UNLESS
OTHERWISE SPECIFIED
FRACTIONS - 1/64
DECIMALS - .005
ANGLES - °

DO NOT SCALE DRAWING

DR BY DATE
E.V. 3-27-82
CL BY DATE
5-2 4-5-82
APP BY DATE
4/1/82
FINISH
HARDENING

Bally MANUFACTURING CORP.
2640 BELMONT AVENUE
CHICAGO, ILLINOIS

#283

NAME WIRING DIAGRAM BACKBOX

ASSEMBLY NO. USED ON W

MATERIAL PAC MAN

PART NO

W-1187-37

PART NO.
W-1255-7

6

PANEL FEATURE DISPLAY
6A1

TO J1

10	A3J3-8	1
	N/U	2
	N/U	3
80	A4J1-1	4
20	A4J1-2	5
30	A4J1-3	6
40	A4J1-4	7
50	A4J1-5	8
58	A4J1-6	9
70	A4J1-10	10
	N/U	11
	N/U	12
60	A3J3-20	13
	KEY	14
36	A4J4-8	15
54	A4J1-28	16
38	A4J1-27	17
25	A4J1-26	18
51	A4J1-25	19
45	A3J3-17	20

TO
A2J1-8

75

10 AMP

20

TO
W-1187-37

5.4 VDC

TERMINAL
LUG

30

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REMOVE ALL BURRS

TOLERANCES ON
DIMENSIONS UNLESS
OTHERWISE SPECIFIED
FRACTIONS ± 1/16
DECIMALS ± .001
EXCEPT HOLE DIA'S
ANGLES ± 1°

DO NOT SCALE DRAWING

DR. BY
FFC

DATE
3-82

CK. BY
JH

DATE
3-23-82

AP'D BY
JH

DATE
4-15-82

AP'D BY
JH

DATE
4-15-82

FINISH:

HARDENING:

PRINT
CONTROL

Bally MANUFACTURING CORP.

2640 BELMONT AVENUE
CHICAGO, ILLINOIS

#1283

DIE SIZE: C.C. FT. PER M. LBS. PER M.

NAME
WIRING DIAGRAM
PLAYFIELD

ASSEM. NO. USED

SCALE

MATERIAL
PAC-MAN

PART NO.

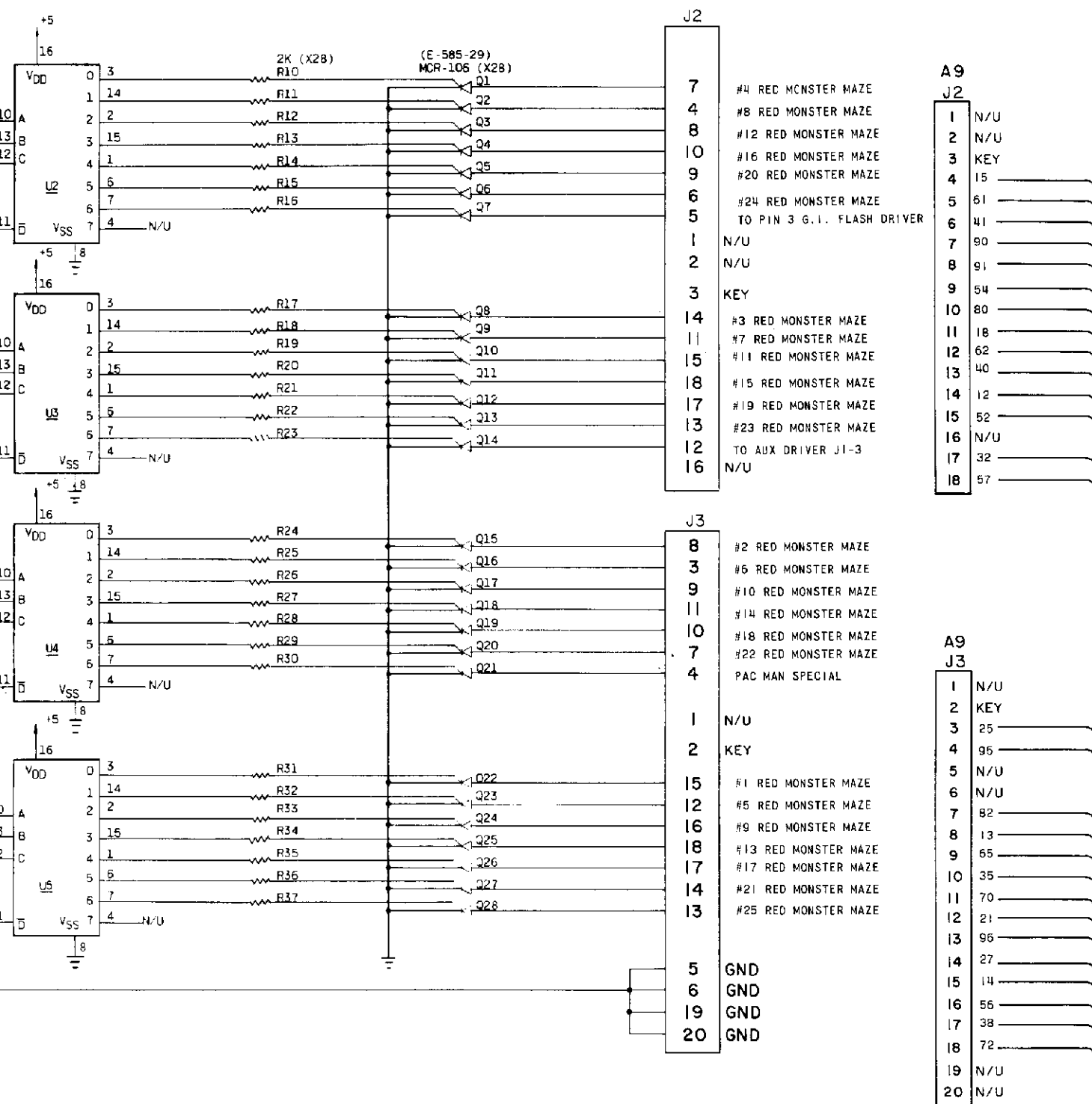
W-1255-7

6

CHANGE

DATE

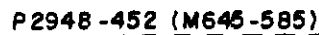
BY

E-620-108)
C14028B (X4)

TO PANEL W-1192-37

TO INSERT

REMOVE ALL BURRS TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED DECIMALS - FRACTIONS - HOLE DIA - ANGLES - DO NOT SCALE DRAWING				DR. BY DATE A.V. 2-22-82 CR. BY DATE J.D. 5-22-82 APD BY DATE J.D. 4-22-82 FINISH DATE 4-27-82		Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS #1283	
DIE SIZE - CC - FT PER M - LBS PER M -				NAME AUXILIARY LAMP DRIVER A9		ASSEMBLY NO. USED SCALE	
MATERIAL PAC-MAN				PART NO. W-1207-14		CODE	



NO.	LET.	CHANGE	DATE	BY

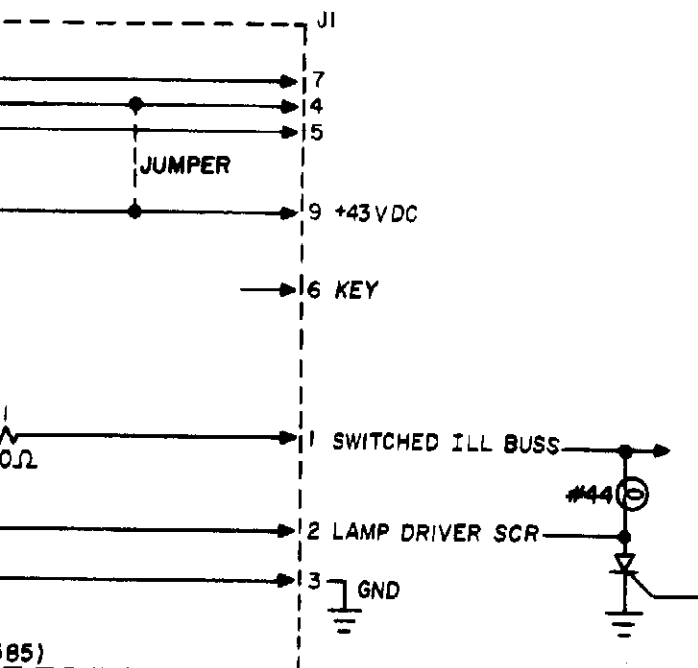
REMOVE

TOLERANCE
DIMENSION
OTHERWISE
FRACTIONS
DECIMALS
EXCEPT MD
ANGLES ±

DO NOT

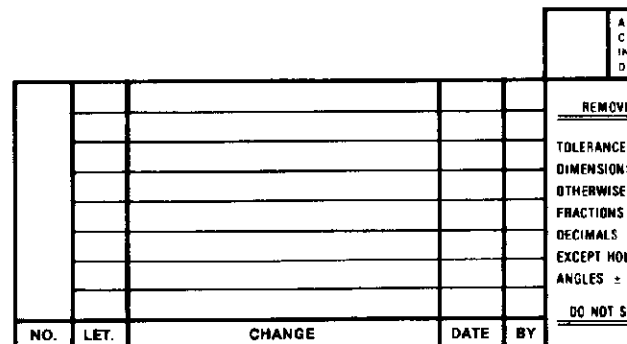
PART NO.

W-1251 b



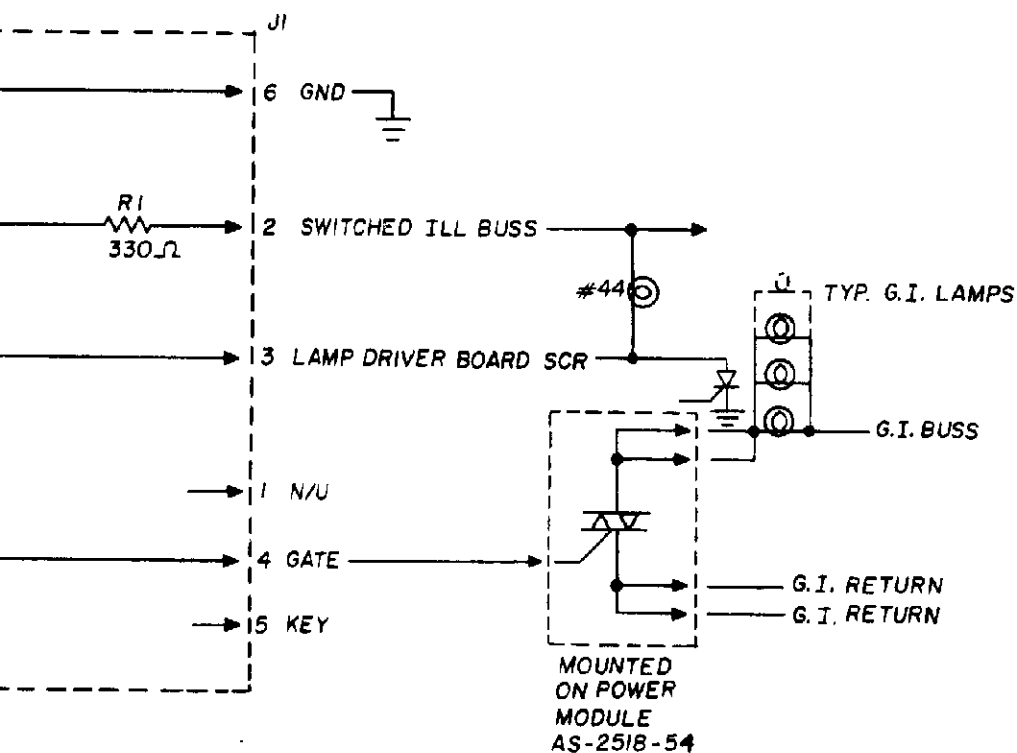
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REMOVE ALL BURRS		DR. BY FFC		DATE 1-21-81		Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS				# 1220						
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		CK. BY		DATE						PRINT CONTROL		DIE SIZE		C.C.		FT. PER M.
FRACTIONS ± .008		AP'D BY WDM		DATE 1-23-81		NAME		SOLENOID EXPANDER (SCHEMATIC)				ASSEM. NO. USED AS-2518 -66		SCALE X		
DECIMALS ± .003		AP'D BY WDM		DATE 1-23-81		FINISH:		MATERIAL				PART NO.		W-1251 b		
EXCEPT HOLE DIA'S		HARDENING:		CODE												
ANGLES ± 1/2°		DO NOT SCALE DRAWING														
D.	LET.	CHANGE	DATE	BY												



PART NO.

W-1253 b

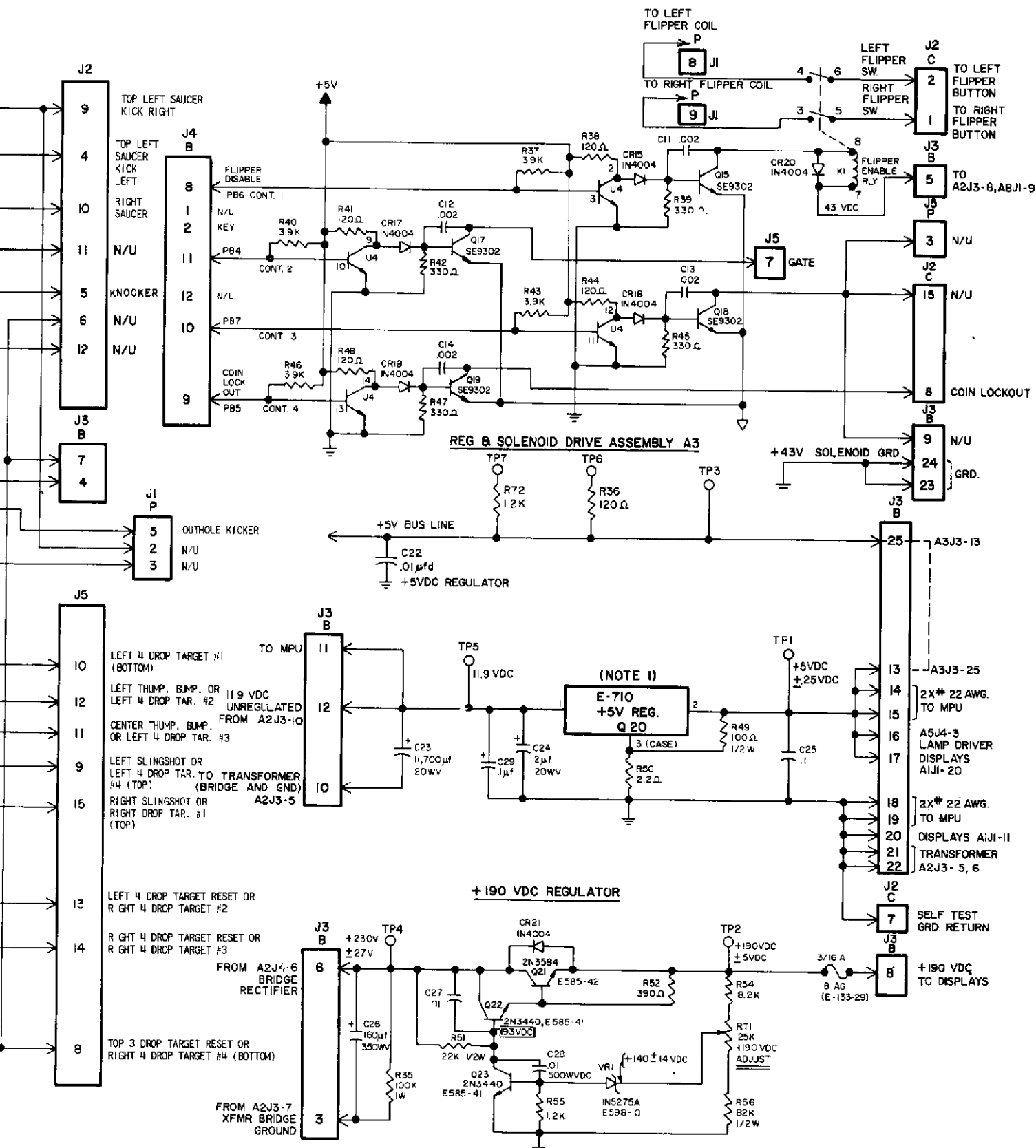


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REMOVE ALL BURRS				DR. BY FFC		DATE 1-22-81		Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS				#1219							
				CK. BY		DATE													
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS ± .008 DECIMALS ± .003 EXCEPT HOLE DIA'S ANGLES ± 1/2°				AP'D BY 2811		DATE 1-22-81		PRINT CONTROL		DIE SIZE		C.C.		FT. PER M.		LBS. PER M.			
				AP'D BY SK		DATE 1-23-81													
				FINISH:				NAME		G.I. FLASHER (SCHEMATIC)						ASSEM. NO. USED		SCALE	
				HARDENING:				MATERIAL								AS-2518-68		X	
DO NOT SCALE DRAWING								CODE		X						PART NO.		W-1253 b	
CHANGE				DATE		BY													

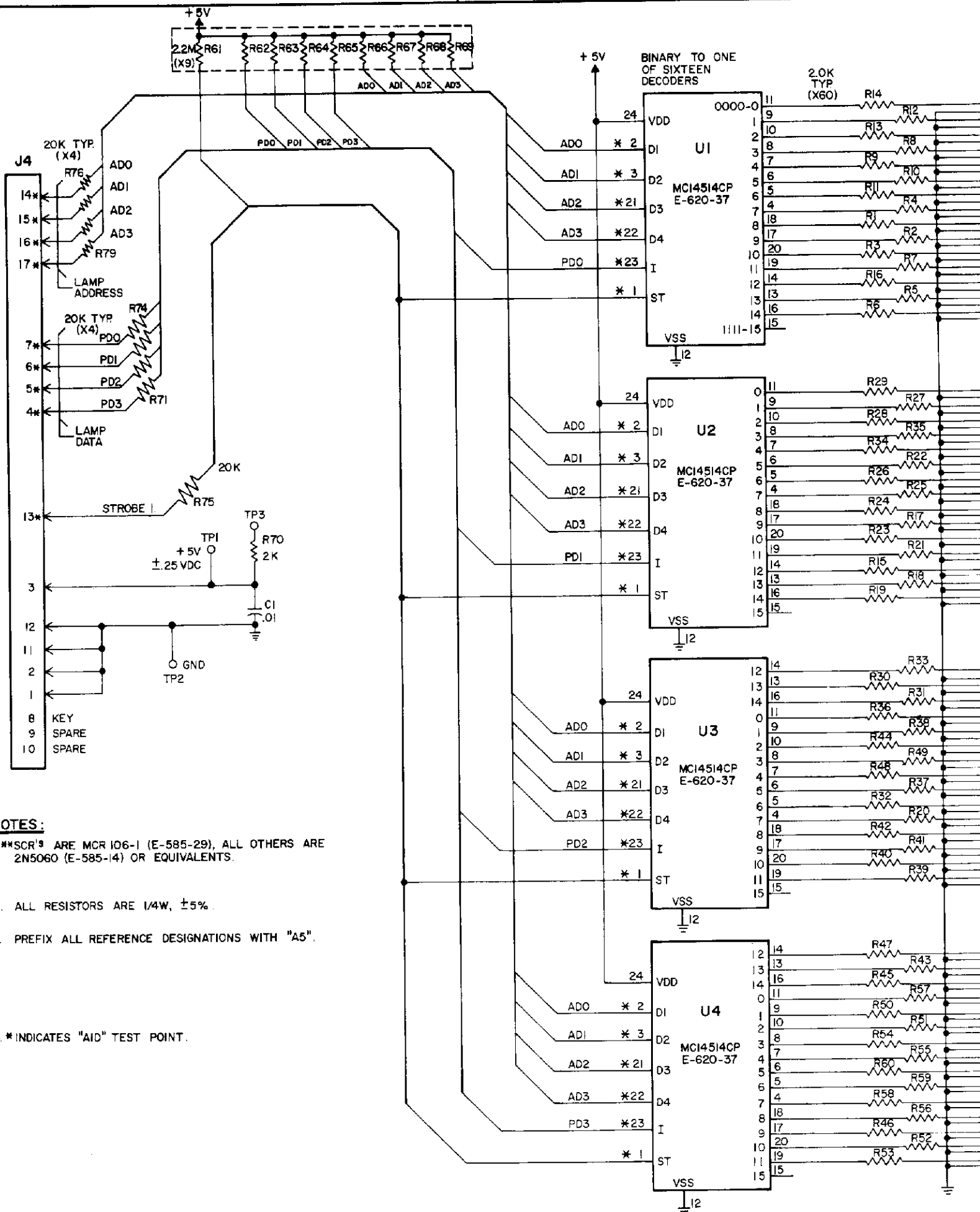


TO LEFT
FLIPPER COIL

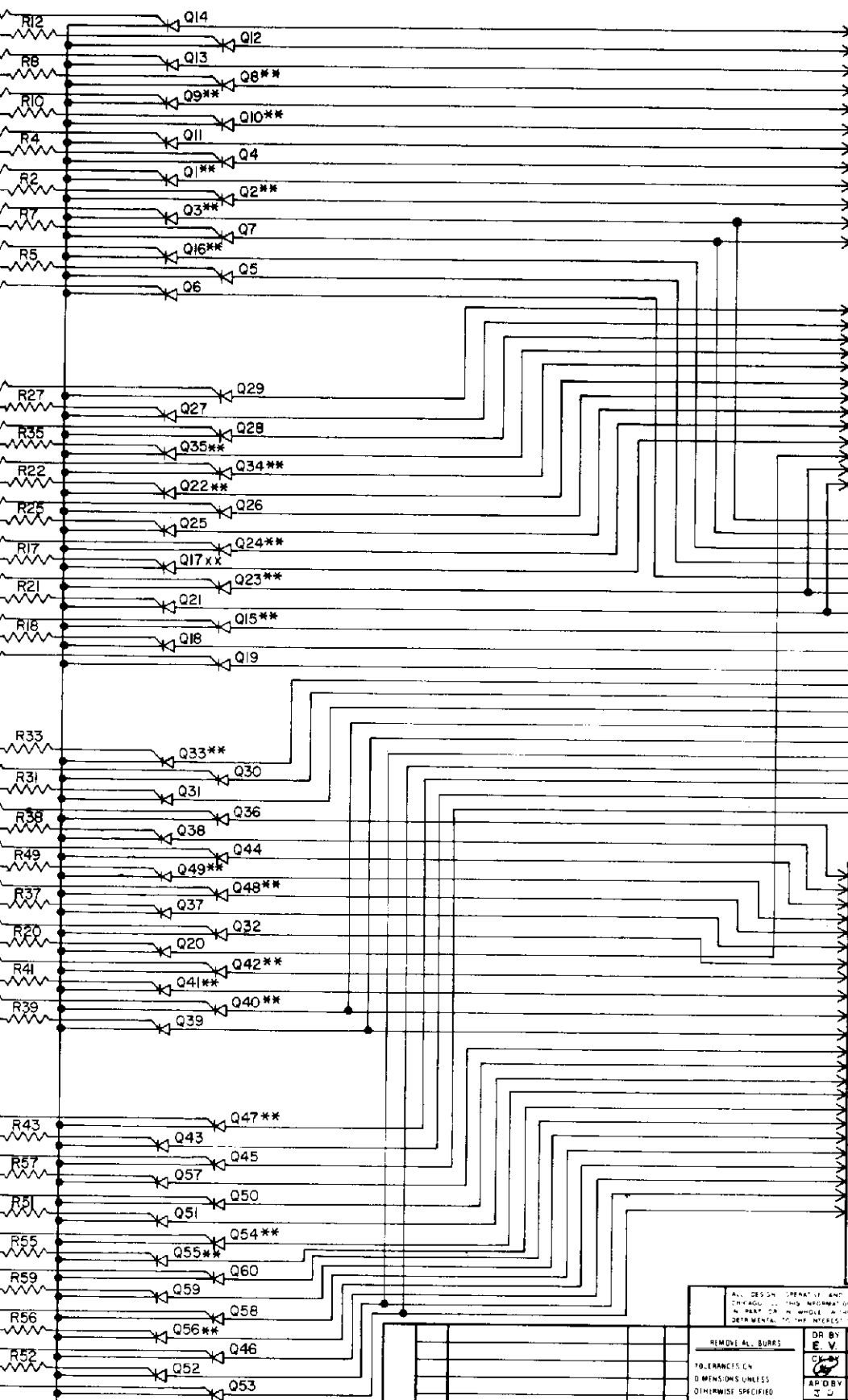


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				DETIMENTAL TO THE INTEREST OF THE OWNERS, AND MUST BE RETURNED ON DEMAND			
				DR. BY 2.1 DATE 5-22-82		Bally MANUFACTURING CORP. 3640 BELMONT AVENUE CHICAGO, ILLINOIS #1283	
				REMOVE ALL BURRS TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED. FRACTIONS = 1/32 DECIMALS = .003 HOLE DIA S ANGLES = 7° DO NOT SCALE DRAWING		PRINT COATROL DIE SIZE: C.G. FT. PER M. LBS. PER M.	
				DR. BY 3.0 DATE 5-8-82		NAME SOLENOID DRIVER VOLTAGE REGULATOR SCHEMATIC	
				DR. BY 4.0 DATE 6-17-82		ASSEMB. NO. USED SC	
				FINISH:		MATERIAL PAC-MAN	
				HARDENING:		PART NO W-1183-41	
NO.	LET.	CHANGE	DATE	BY			



SCR'S



- J1
- 22 N/U
 - 21 N/U
 - 20 KEY
 - 18 #4 YELLOW PAC MAZE
 - 19 #8 YELLOW PAC MAZE
 - 17 #12 YELLOW PAC MAZE
 - 23 #16 YELLOW PAC MAZE
 - 14 #20 YELLOW PAC MAZE
 - 15 #24 YELLOW PAC MAZE
 - 16 3 DROP TARGET 20K
 - 28 PAC MAN MAZE AGGRESSIVE
 - 24 LEFT & RIGHT LANE 10K ARROW
 - 25 LEFT & RIGHT LANE X BALL
 - 26 N/U
 - 27 "UP" DIRECTION ARROW
 - 1 #3 YELLOW PAC MAZE
 - 9 #7 YELLOW PAC MAZE
 - 8 #11 YELLOW PAC MAZE
 - 3 #15 YELLOW PAC MAZE
 - 2 #19 YELLOW PAC MAZE
 - 10 #23 YELLOW PAC MAZE
 - 7 3 DROP TARGET 30K
 - 6 "P" LEFT DROP TARGET
 - 5 LEFT & RIGHT LANE 20K ARROW
 - 11 RIGHT SAUCER 10 MOVES ARROW
 - 13 "A" LEFT DROP TARGET
 - 4 N/U
 - 12 (RIGHT) DIRECTION ARROW

- J2
- 21 SHOOT AGAIN
 - 13 N/U
 - 22 BALL IN PLAY
 - 16 #1 PAC-MAN
 - 14 #5 PAC-MAN
 - 8 MATCH
 - 12 N/U
 - 23 HIGH SCORE TO DATE
 - 20 #2 PAC-MAN
 - 15 "H" RIGHT DROP TARGET
 - 11 GAME OVER
 - 6 #3 PAC-MAN
 - 2 "A" RIGHT DROP TARGET
 - 9 N/U
 - 4 N/U
 - 5 N/U
 - 3 N/U
 - 10 TILT
 - 7 #4 PAC-MAN
 - 1 "N" RIGHT DROP TARGET
 - 17 N/U
 - 18 KEY
 - 19 N/U

- J3
- 26 #2 YELLOW PAC MAZE
 - 25 #6 YELLOW PAC MAZE
 - 19 #10 YELLOW PAC MAZE
 - 17 #14 YELLOW PAC MAZE
 - 16 #18 YELLOW PAC MAZE
 - 23 #22 YELLOW PAC MAZE
 - 27 3 DROP TARGET PAC-MAN
 - 21 LEFT & RIGHT LANE 30K ARROW
 - 20 LEFT & RIGHT SAUCER MAZE ARROW
 - 22 SAME PLAYER SHOOT AGAIN
 - 24 "DOWN" DIRECTION ARROW
 - 1 #1 YELLOW PAC MAZE
 - 12 #5 YELLOW PAC MAZE
 - 15 #9 YELLOW PAC MAZE
 - 11 #13 YELLOW PAC MAZE
 - 9 #17 YELLOW PAC MAZE
 - 3 #21 YELLOW PAC MAZE
 - 4 #25 YELLOW PAC MAZE
 - 2 "C" LEFT DROP TARGET
 - 10 LEFT & RIGHT LANE 40K ARROW
 - 18 LEFT GATE ARROW
 - 13 CREDIT INDICATOR
 - 14 "LEFT" DIRECTION ARROW
 - 20 N/U
 - 21 N/U
 - 22 N/U
 - 23 KEY
 - 28 N/U

TO PLAYFIELD

TO BACK BOX

TO PLAYFIELD

ALL DESIGN, DRAWING AND PRINTING DATA PERTAINING TO THIS ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MANUFACTURING CORP. ANY REPRODUCTION OF THIS INFORMATION IN ANY FORM OR BY ANY MEANS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE OWNER IS PROHIBITED AND WILL BE CONSIDERED A VIOLATION OF THE PATENT RIGHTS OF BALLY MANUFACTURING CORP. IN THE UNITED STATES AND IN OTHER COUNTRIES.

REMOVE ALL BURRS

POLARITIES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

FRACTIONS -

DECIMALS -

EXCEPT HALF DIA. S

ANGLES -

DO NOT SCALE DRAWING

DR BY DATE 3-25-82

CHK BY DATE 3-25-82

APP'D BY DATE 9-15-82

APP'D BY DATE 4-11-85

FINISH

HARDENING

Bally MANUFACTURING CORP.

2640 BELMONT AVENUE

CHICAGO, ILLINOIS 60648

#1283

NAME

ASSEMBLY NO. USED

SCALE

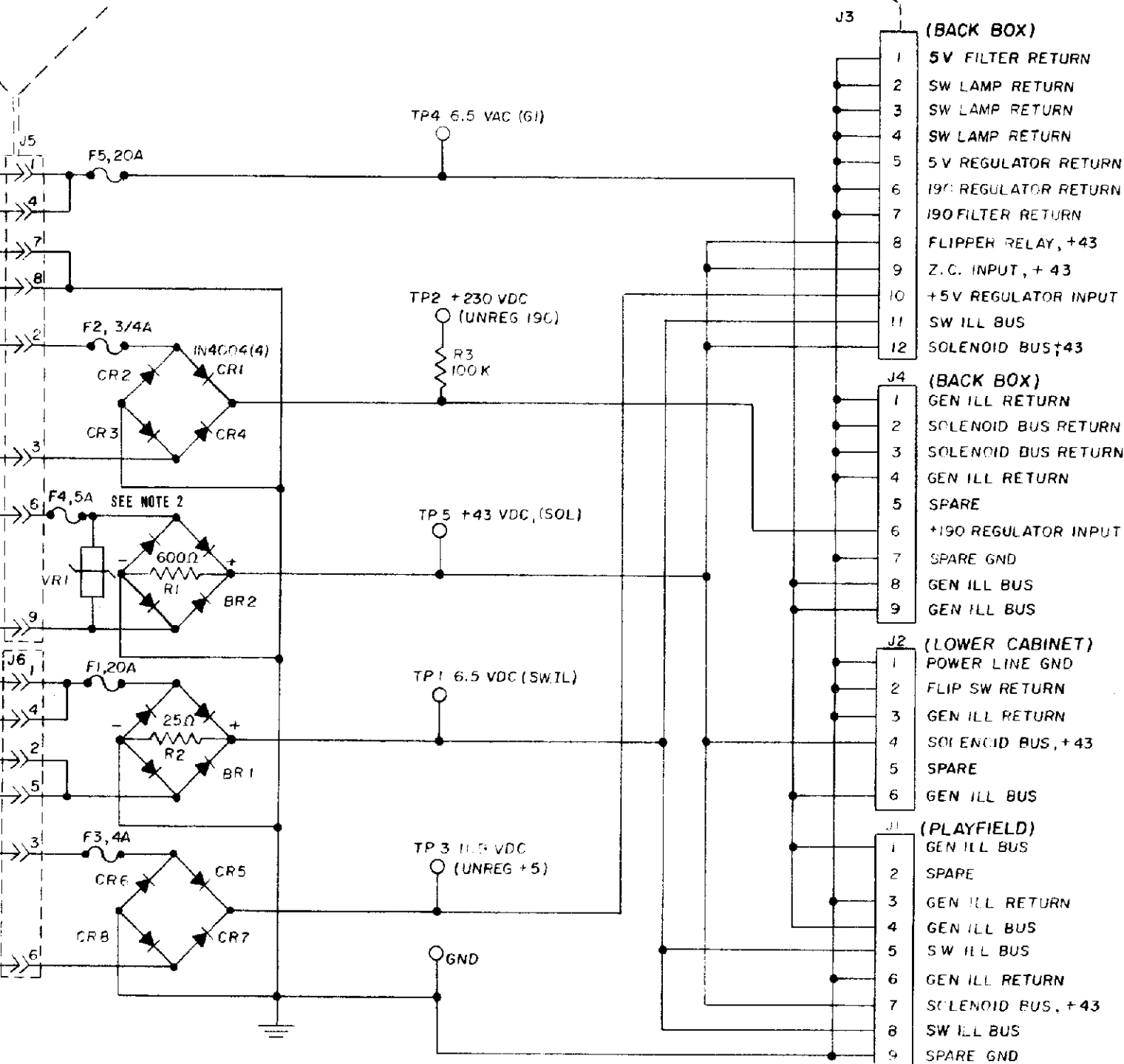
A5 LAMP DRIVER SCHEMATIC

MATERIAL

PAC-MAN

PART NO. W-1182-42

AS-2518-54, POWER MODULE



ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP. CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS. IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE OWNERS, AND MUST BE RETURNED ON DEMAND.

REMOVE ALL BURRS

TOLERANCES ON
DIMENSIONS UNLESS
OTHERWISE SPECIFIED
FRACTIONS $\pm .008$
DECIMALS $\pm .003$
EXCEPT HOLE DIA'S
ANGLES $\pm 1/2^\circ$

DO NOT SCALE DRAWING

DR. BY
FFCDATE
7-10-80CK. BY
AMCRDATE
7-11-80

AP'D BY

DATE

AP'D BY

DATE

FINISH:

HARDENING:

Bally MANUFACTURING CORP.
2640 BELMONT AVENUE
CHICAGO, ILLINOIS # 1196

PRINT CONTROL FEB 20 1981

DIE SIZE: C.C. FT. PER M. LBS. PER M.

NAME POWER SUPPLY SCHEMATIC

MATERIAL

CODE

ASSEM. NO. USED

SCALE

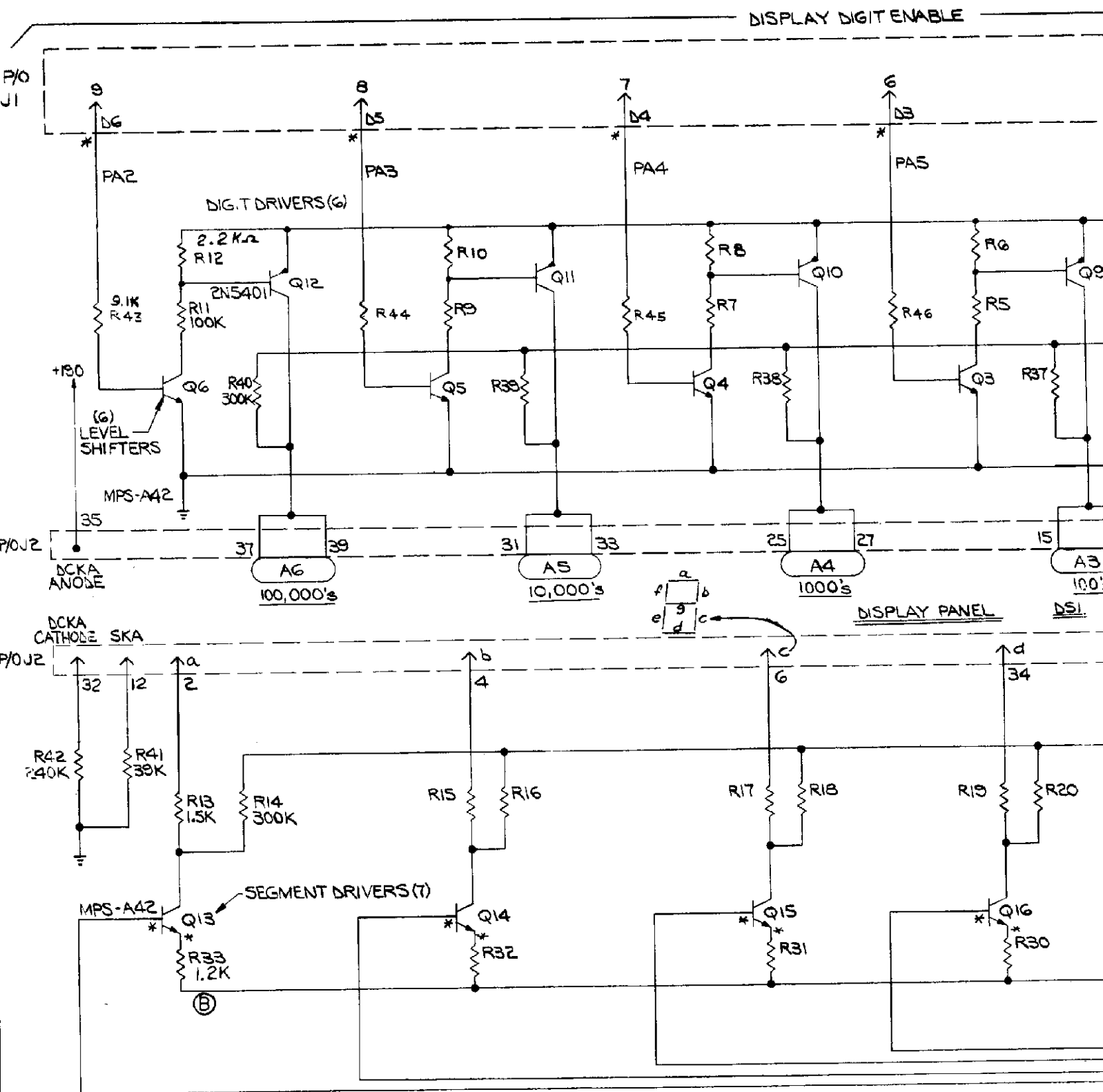
PART NO.

W-1233 *h*

CHANGE

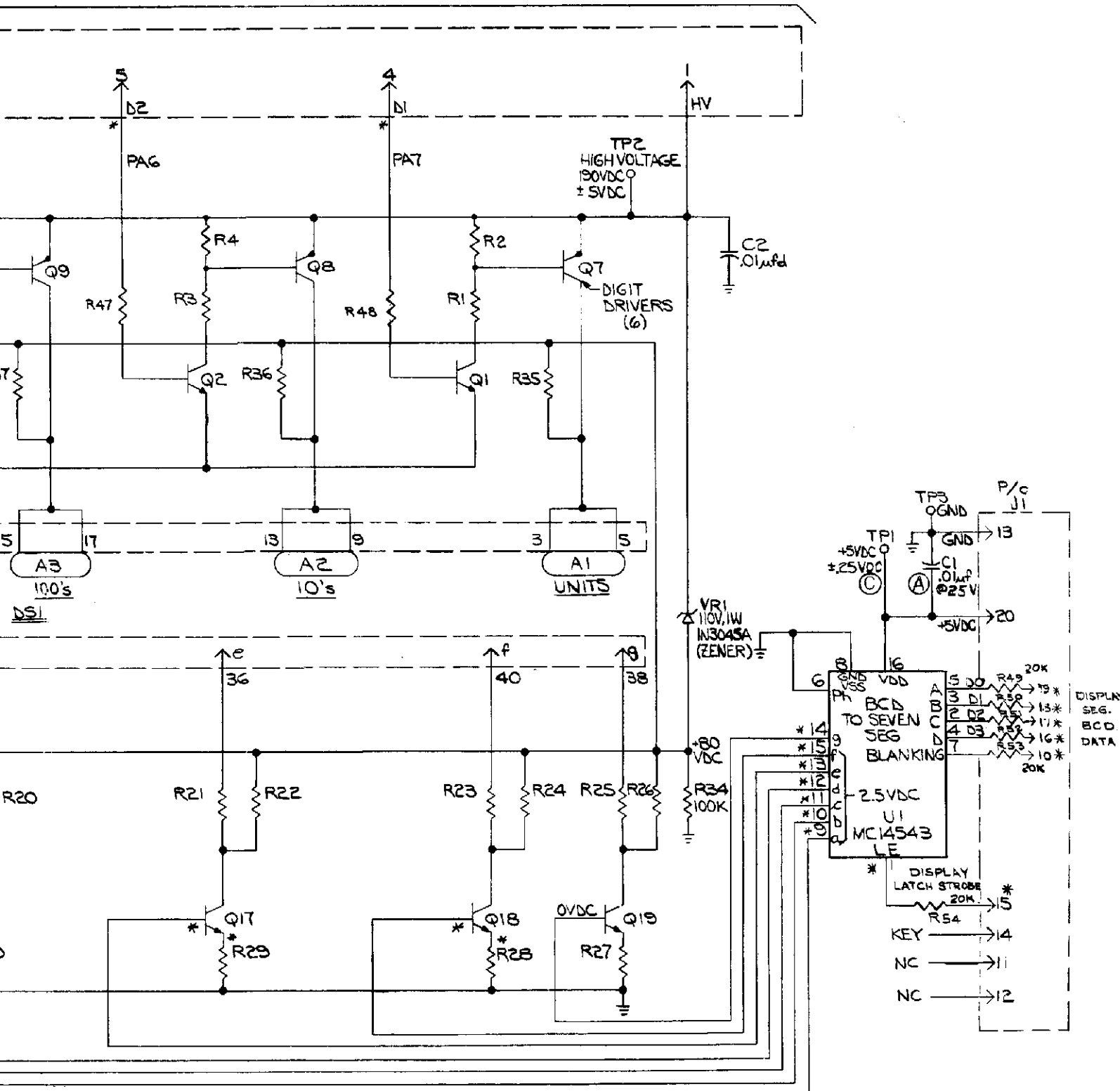
DATE

BY



NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE $\pm 5\%$, $1/4W$.
2. PREFIX ALL REFERENCE DESIG. WITH ASSEMBLY REFERENCE DESIG. "A1"
3. * INDICATES 'AID' TEST POINT.



DIE SIZE — C.C. — FT. PER M — LBS. PER M —

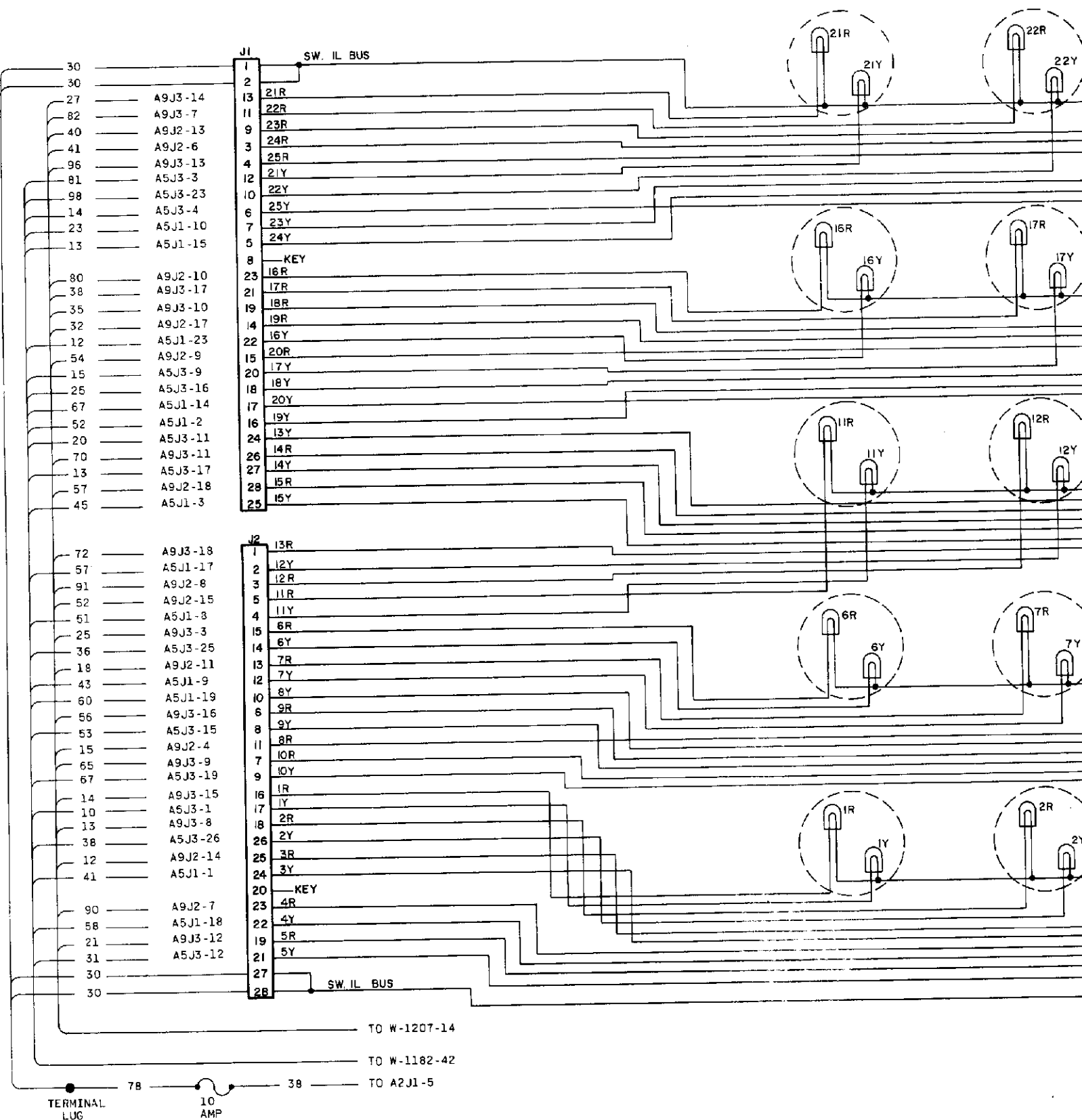
ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP., CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE COMPANY. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE COMPANY, AND MUST BE RETURNED ON DEMAND.

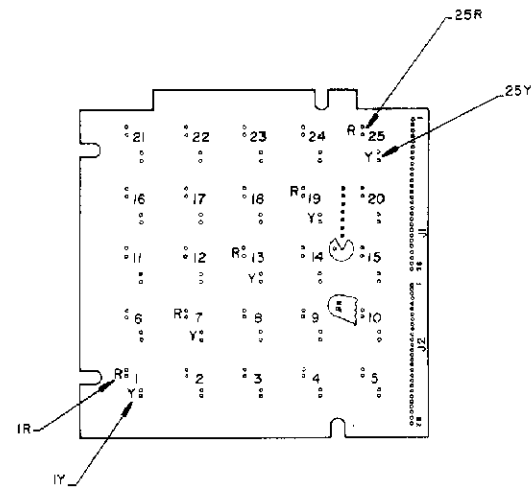
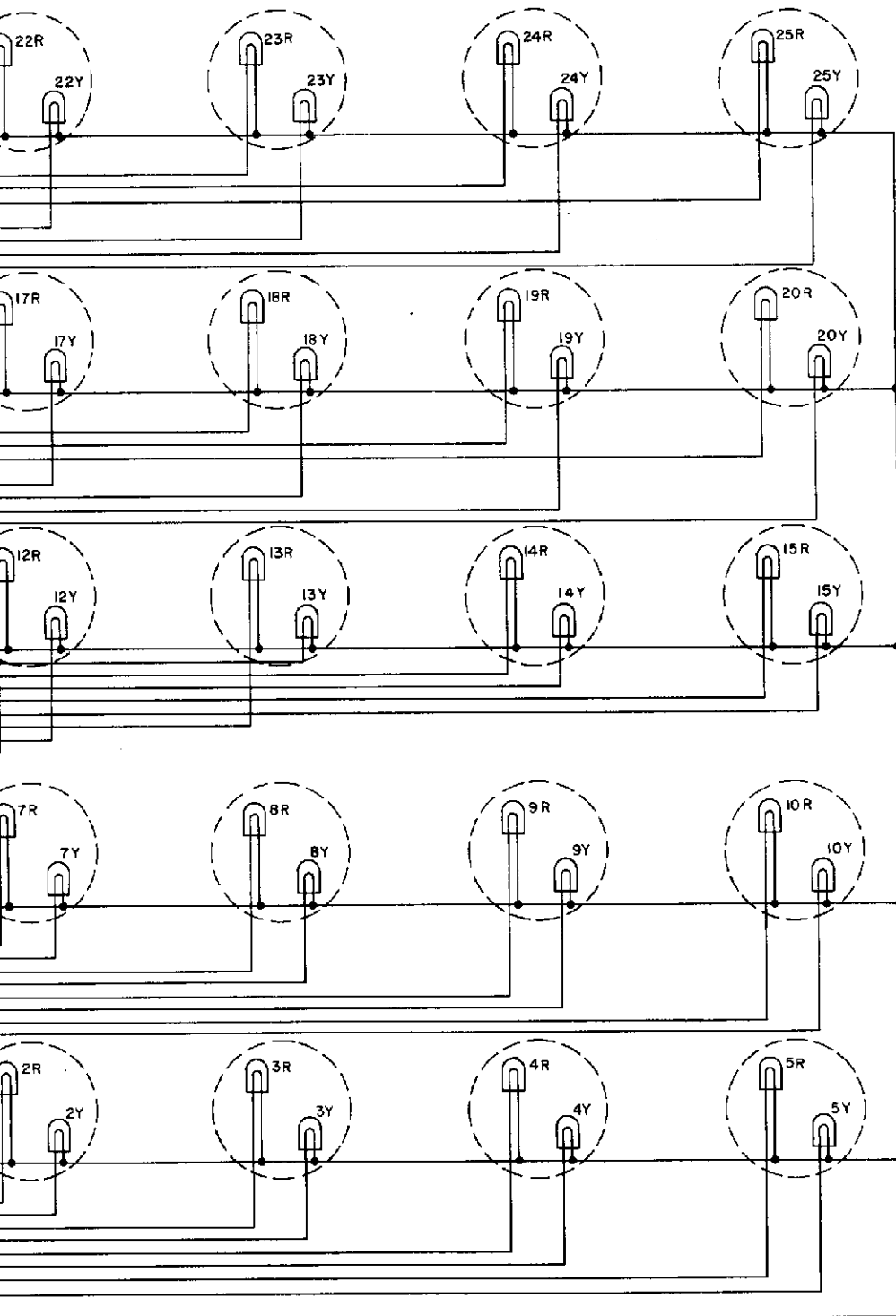
REMOVE ALL BURS

TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
FRACTIONS:
DECIMALS:
ANGLES:
DO NOT SCALE DRAWING

3	C	WAS VAC	620-80	J.D.
2	B	WAS 1K	328-80	J.D.
1	A	WAS 500 V	4-679	J.D.
NO.	LET.	CHANGE	DATE	BY

DESIGNED BY: DATE: 12/22/77		BALLY MANUFACTURING CORP. #1120-E	
CHECKED BY: DATE: 1/14/78		2640 BELMONT AVENUE	
APPROVED BY: DATE: 1/14/78		CHICAGO, ILLINOIS	
PRINT CONTROL	2000	2000	2000
NAME	6 DIGIT	ASSEMB. NO. USED ON/IN	SCALE
DISPLAY BOARD SCHEMATIC		A5-2518-21	1/16"
MATERIAL		PART NO.	SCALE
HARDENING		W-1184-1c	1/16"

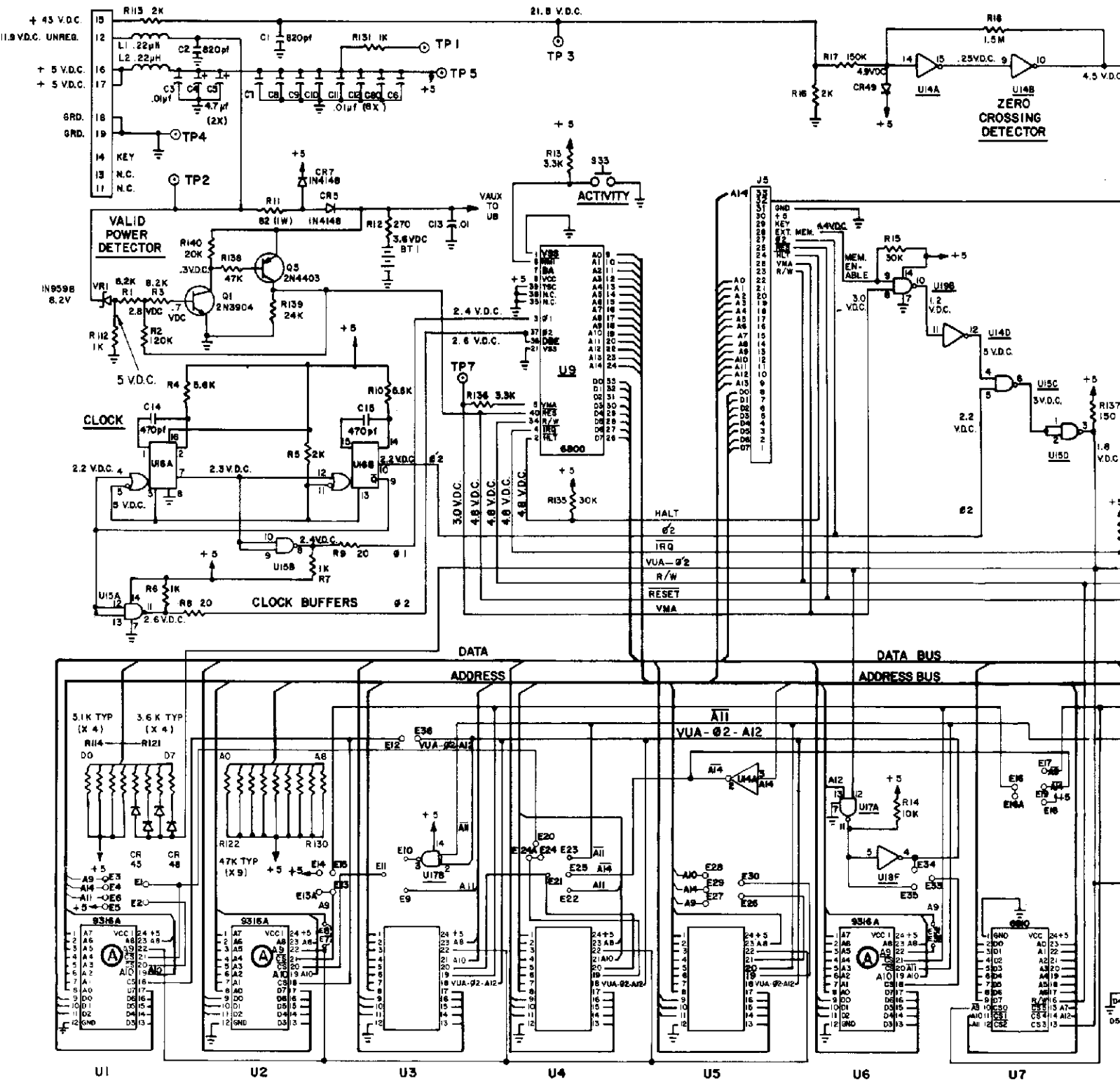




BOTTOM SIDE OF PAC-LITE MATRIX
(as seen from underside of playfield)

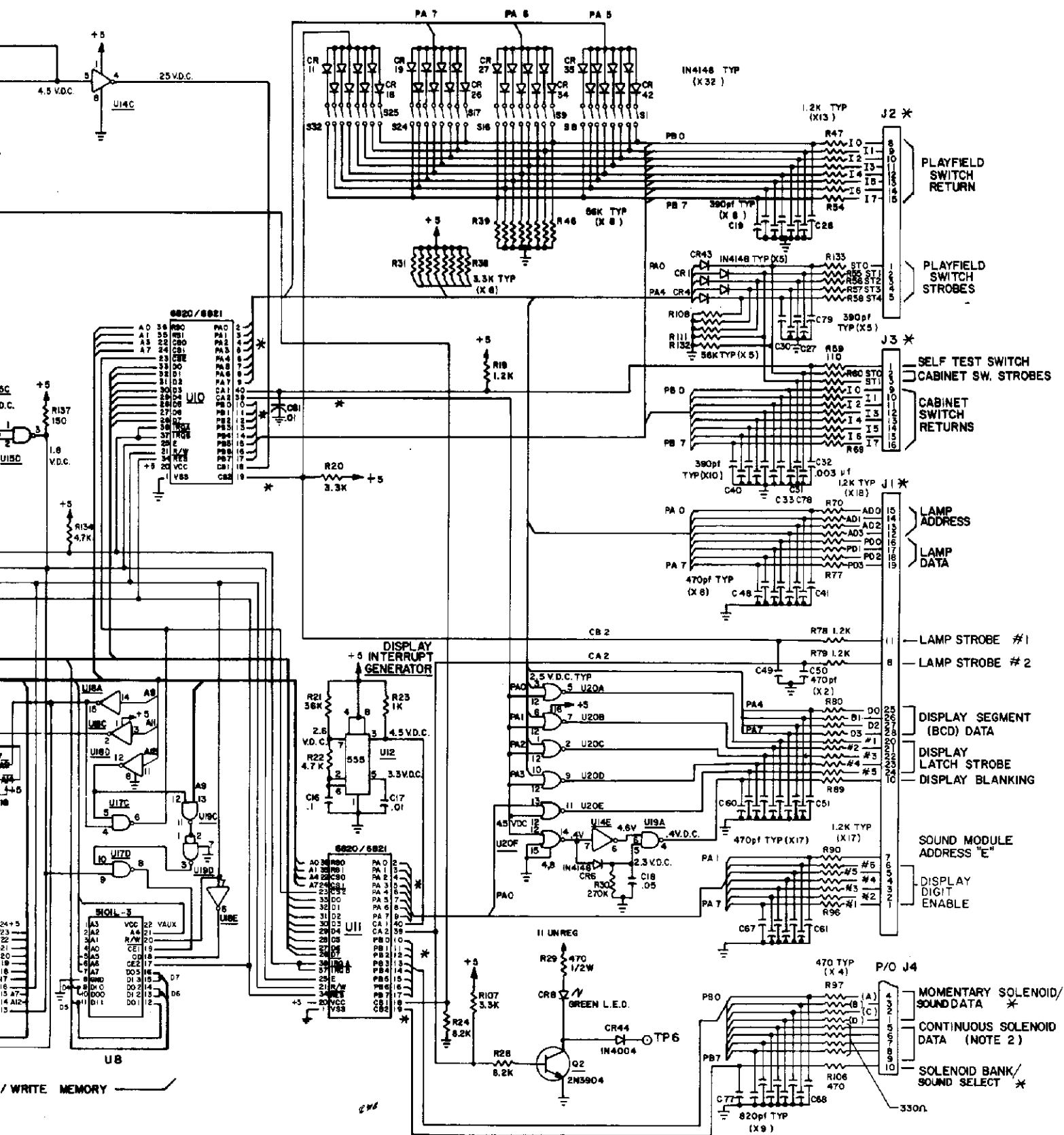
REMOVE ALL BURRS TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS = 1/32 DECIMALS = .003 EXCEPT HOLE DIA. S ANGLES = 1/2"				DR. BY <u>FFC</u> DATE <u>2-28-82</u> CK. BY <u>AMCR</u> DATE <u>3-2-82</u> AP. BY <u>DATE</u> DATE <u>4-15-82</u> FINISH: <u>DATE</u> DATE <u>2-25-82</u> HARDENING: <u>DATE</u> DATE <u>2-25-82</u>				Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS # 1283			
NO. LET. CHANGE DATE BY				DIE SIZE: C.C. FT. PER M. LBS. PER M.				NAME: PAC-LITE MATRIX (SCHEMATIC) ASSEM NO USED AS-2518-98 SCALE <u>X</u>			
MATERIAL:				PART NO. W-1262				CODE			

P/O J4



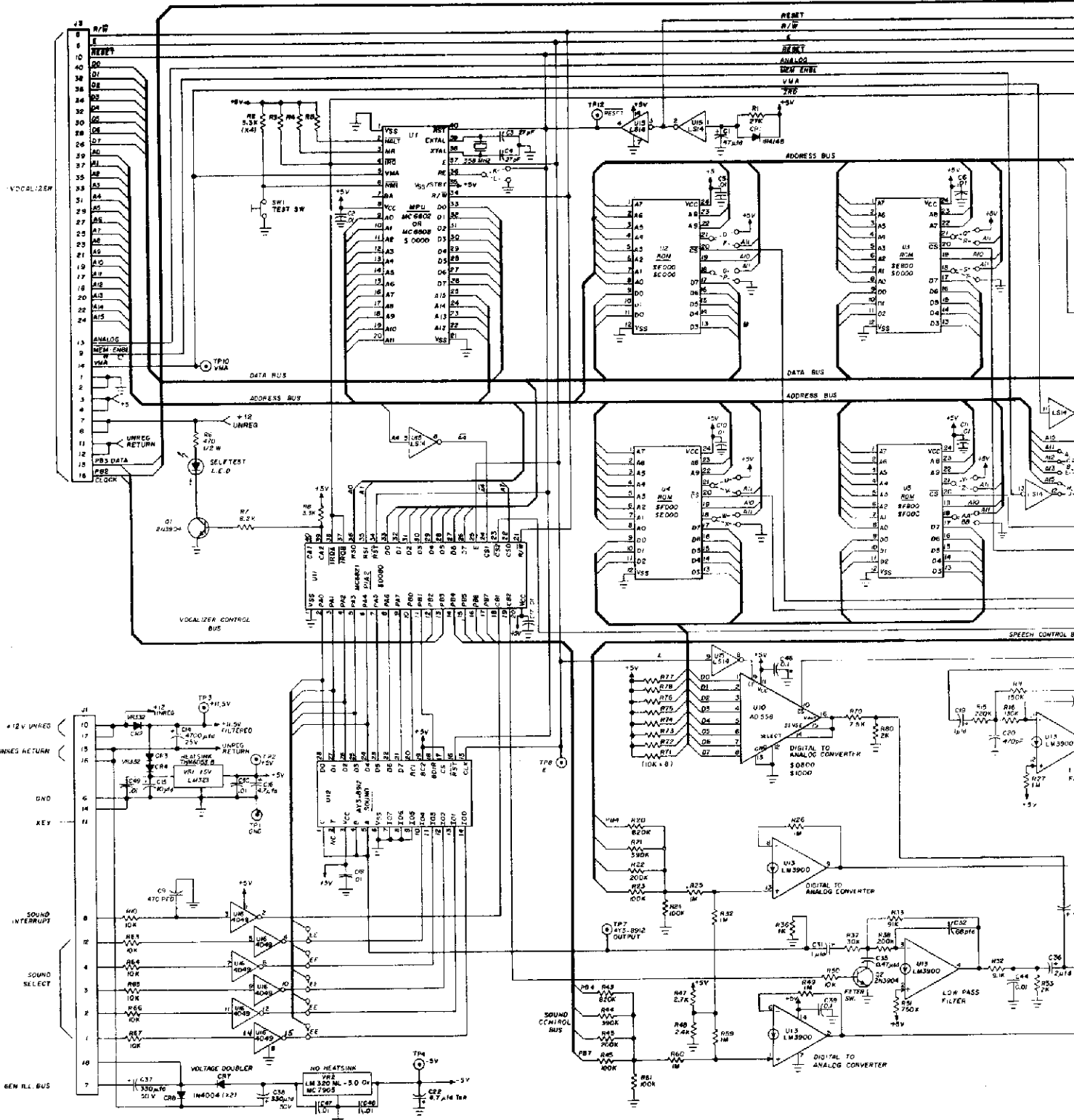
NOTES

1. * INDICATES "AID" TEST POINT.
2. REMOVE A3J4 BEFORE USING AS AID TEST POINT
3. PREFIX ALL REFERENCE DESIGNATIONS WITH "A4"
4. EXACT CHIP COMPLEMENT USED IN SOCKETS U1 THRU U6 CAN VARY FOR DIFFERENT GAMES AND PRODUCTION LOTS. TABLES OF MEMORY CHIPS AND CORRESPONDING JUMPERS FOR DIFFERENT GAMES AVAILABLE FROM BALLY FIELD SERVICE DEPARTMENT.



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REMOVE ALL DIMS TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS - 1/64 DECIMALS - .005 ANGLES - ° DO NOT SCALE DRAWING DR. BY DATE EV 5-11-78 CR. BY DATE EGM 5-15-78 APP'D BY DATE [Signature] 7-10-78 APPROVED BY DATE [Signature] 5-15-78 FINISH: HARDENING: Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS 1119-E <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>UNIT</th><th>INCH</th><th>FEET</th><th>INCH</th><th>FEET</th><th>INCH</th><th>FEET</th><th>INCH</th><th>FEET</th><th>INCH</th><th>FEET</th><th>TOTAL</th><th>SCALE</th></tr> <tr> <td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> NAME M.P.U. CONTROL BOARD SCHEMATIC MATERIAL ASSEM NO USED OR W PART NO W-1181-3 c										UNIT	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	TOTAL	SCALE														ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. COMPANY, CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF THE OWNERS AND MUST BE RETURNED ON DEMAND.									
										UNIT	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	TOTAL	SCALE																							
1	A	A3 WAS VCC2 ON U1,U2, U3 A10 WAS CS								12-78	GT																																		
No	LET	CHANGE								DATE	BY	CR.																																	



NOTES:

1. UNLESS OTHERWISE INDICATED ALL RESISTOR VALUES ARE IN OHMS.

LAST NUMBERS USED

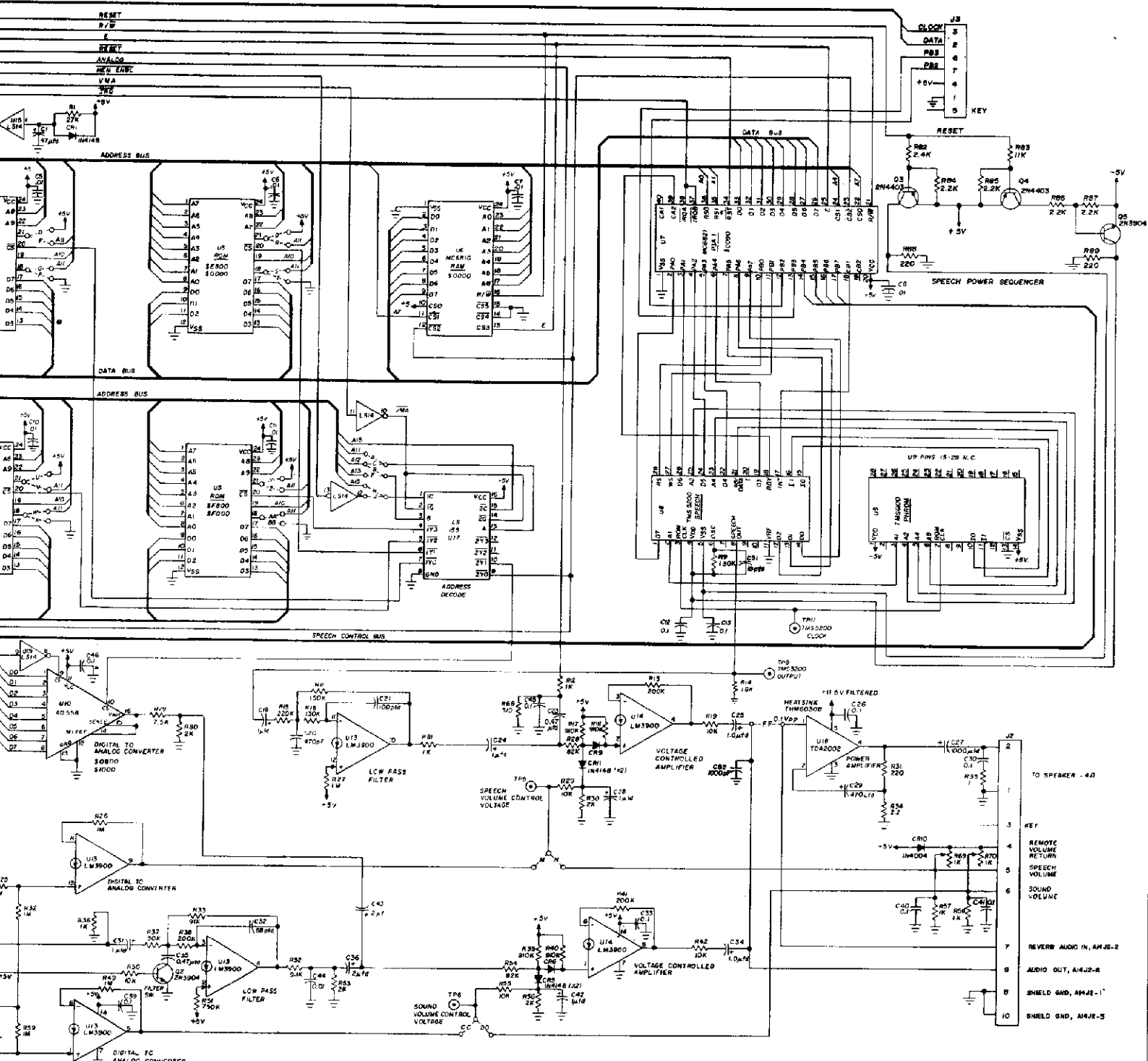
- R89
- C81
- CR10
- CR18
- VR 2
- OS
- TP12
- FF

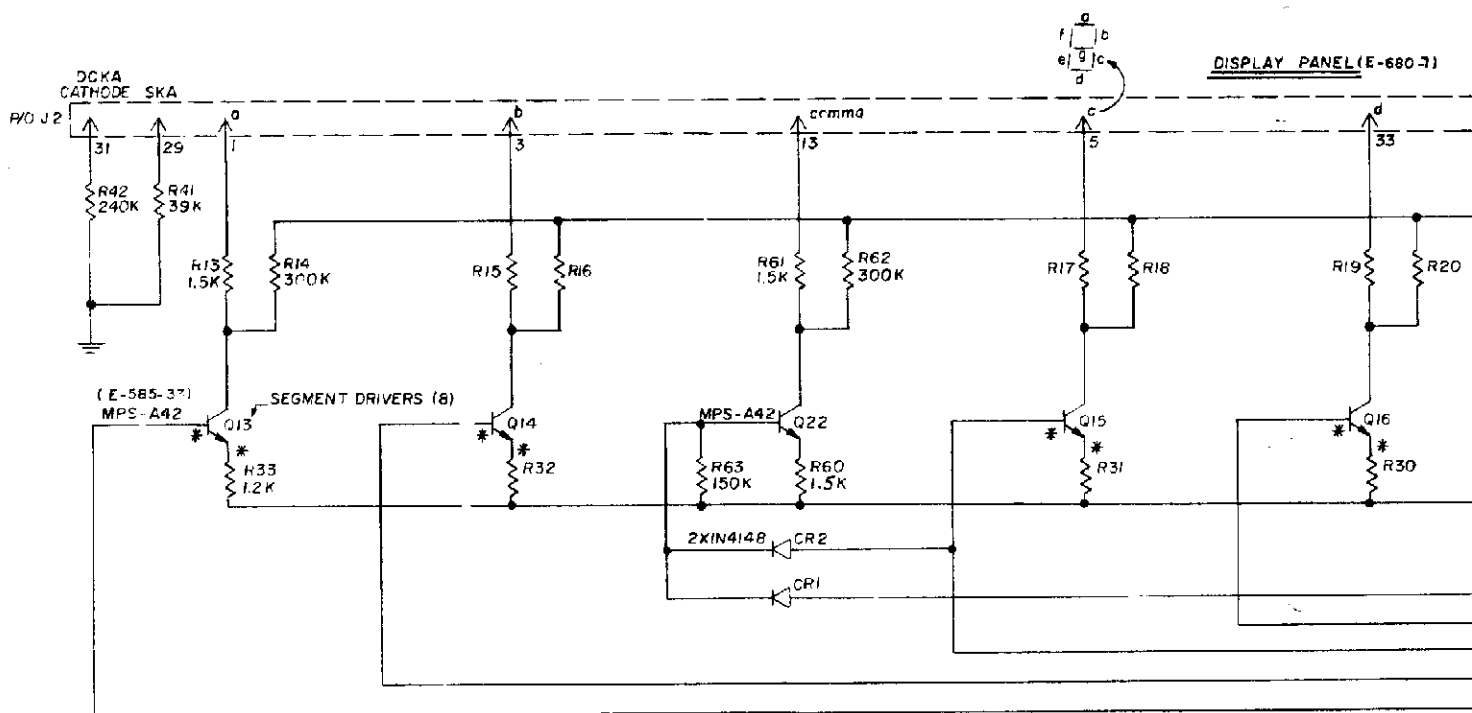
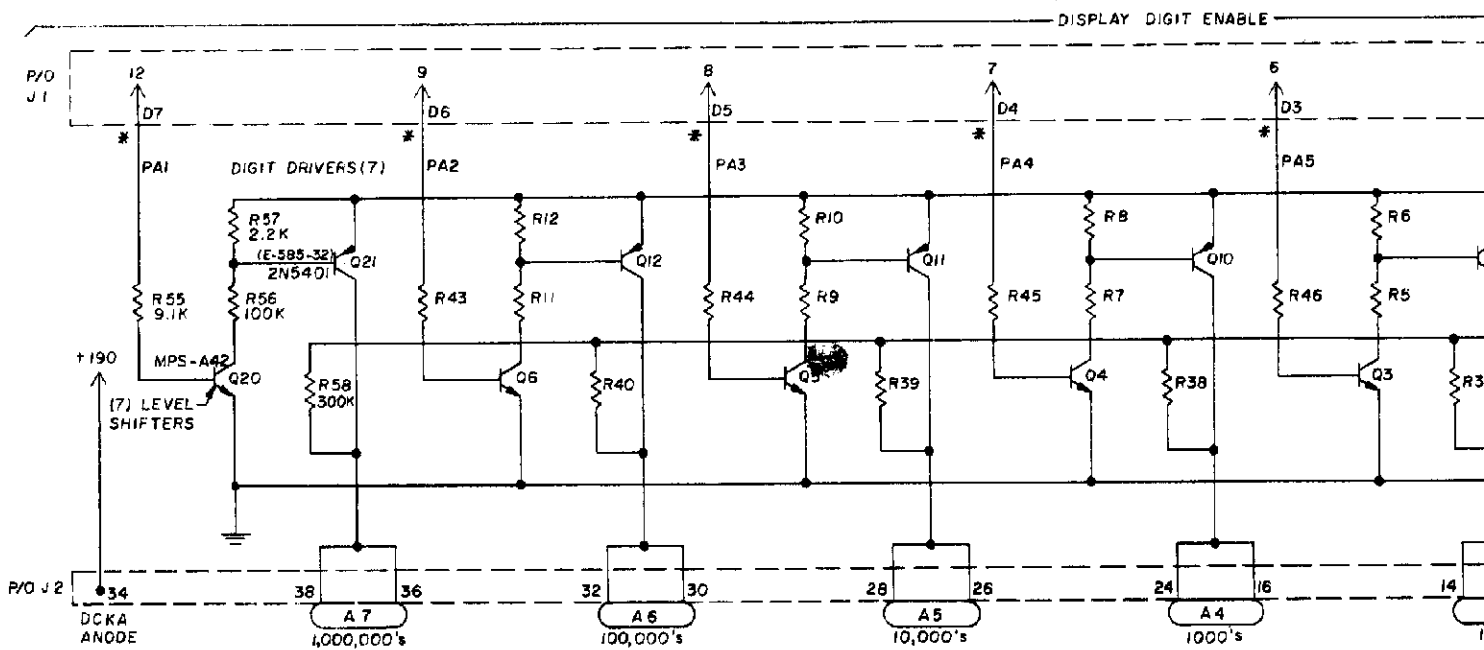
SQUANK & TALK TEST POINTS

- TP1 - GND
- TP2 - +5VDC
- TP3 - +11.5VDC
- TP4 - +5VDC
- TP5 - SPEECH VOLUME
- TP6 - SPEECH VOLUME
- TP7 - +5VDC
- TP8 - E PULSE
- TP9 - +5VDC
- TP10 - +5VDC
- TP11 - +5VDC
- TP12 - RESET

SQUANK & TALK JUMPER

- FROM - ROM
- 276 3316
- 2532 9332
- NO VOCALIZER
- 6808 MPU
- 6802 MPU
- NO 'SAY IT AGAIN'
- JUMPER
- A.B.O.H.Q.T.U.Y.X.BB
- C.E.G.G.S.U.W.X.AA
- L (WITH 6808 RAM)
- K (NO 6808 RAM)
- EE
- FF

[illegible]

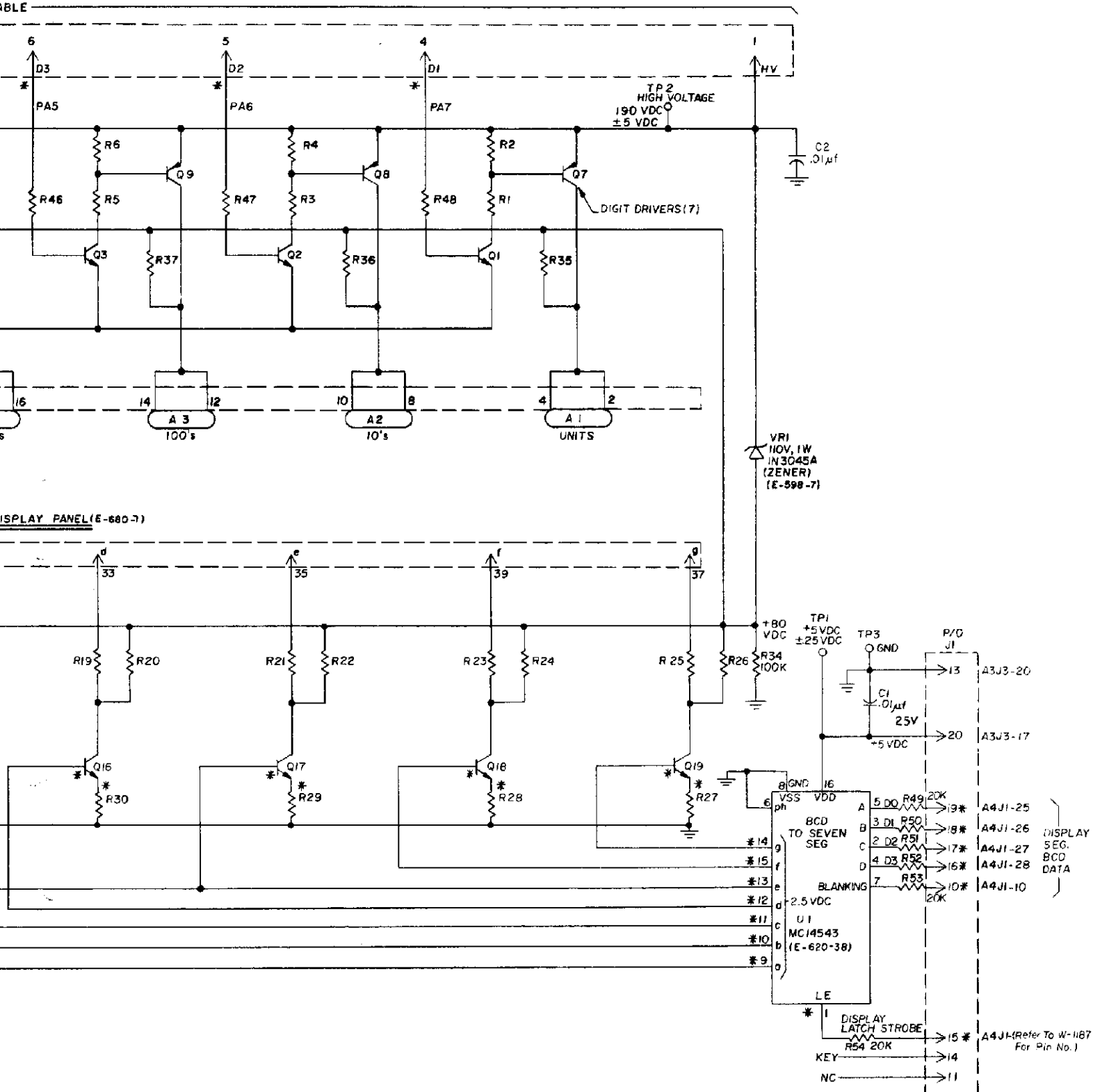


* INDICATES "AID" TEST POINT.

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE $\pm 5\%$, $\frac{1}{4}W$.
2. PREFIX ALL REFERENCE DESIG. WITH ASSEMBLY REFERENCE DESIG. "A 1".

TABLE



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DR. BY FFC DATE 6-18-0		DATE 6-18-0		Bally MANUFACTURING CORP. 2840 BELMONT AVENUE CHICAGO, ILLINOIS #1210	
CK. BY DATE 6-18-0		DATE 6-18-0		PRINT CONTIN.	
AP'D BY DATE 6-18-0		DATE 6-18-0		DIE SIZE	
FINISH		HARDENING		C.C.	
NO. LET.		CHANGE		DATE BY	
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS = 1/16 DECIMALS = .001 EXCEPT HOLE DIA'S ANGLES = 1/2"		REMOVE ALL BURRS		NAME 7 DIGIT DISPLAY BOARD SCHEMATIC "A1"	
DO NOT SCALE DRAWING		MATERIAL		ASSEM. NO. USED AS-2518-58	
		CODE		PART NO. W-1184-2C	

PLAYFIELD MYLAR PROTECTORS

FO-589

ENCLOSED ARE TWO MYLAR PROTECTORS WHICH MAY BE ATTACHED TO THE PLAYFIELD IN FRONT OF THE SLINGSHOT KICKERS AS SHOWN IN SKETCH. THESE WILL HELP TO PRESERVE PAINT FINISH IN FRONT OF SLINGSHOTS.

TO APPLY, SIMPLY REMOVE PAPER BACKING AND PLACE MYLAR WITH FLAT EDGE TOUCHING THE TWO SLINGSHOT POSTS.

