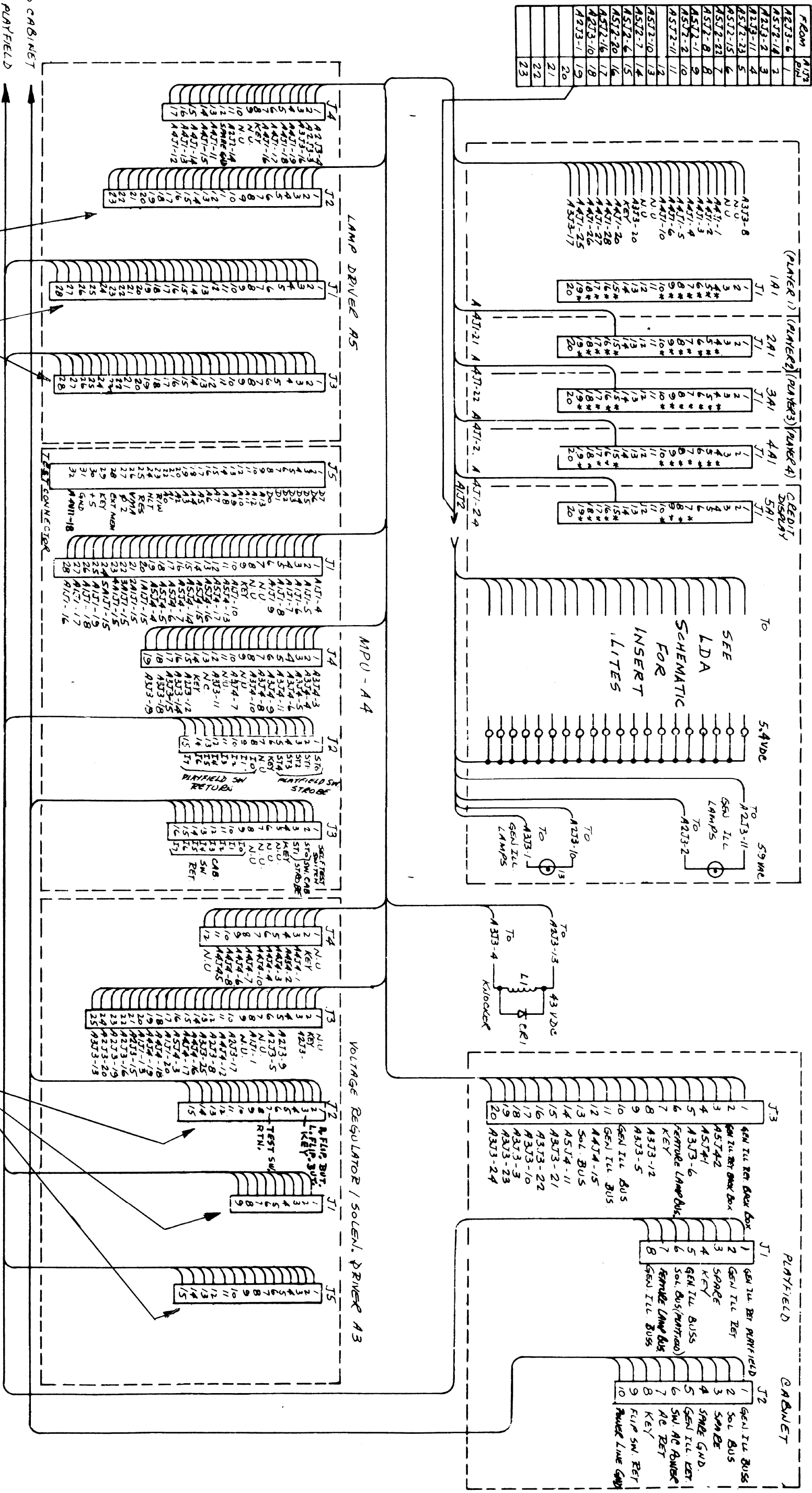
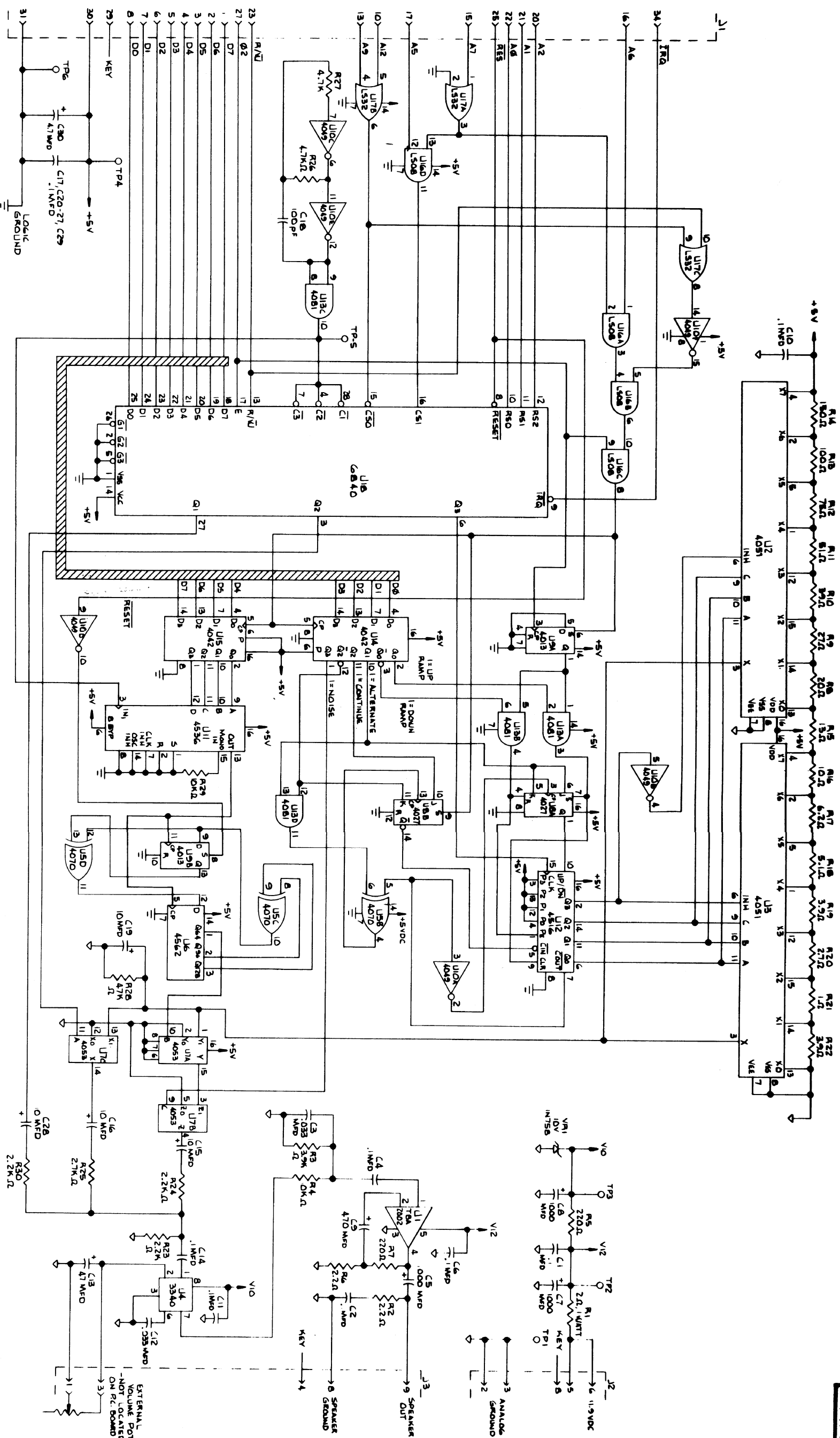


A1 INSERT



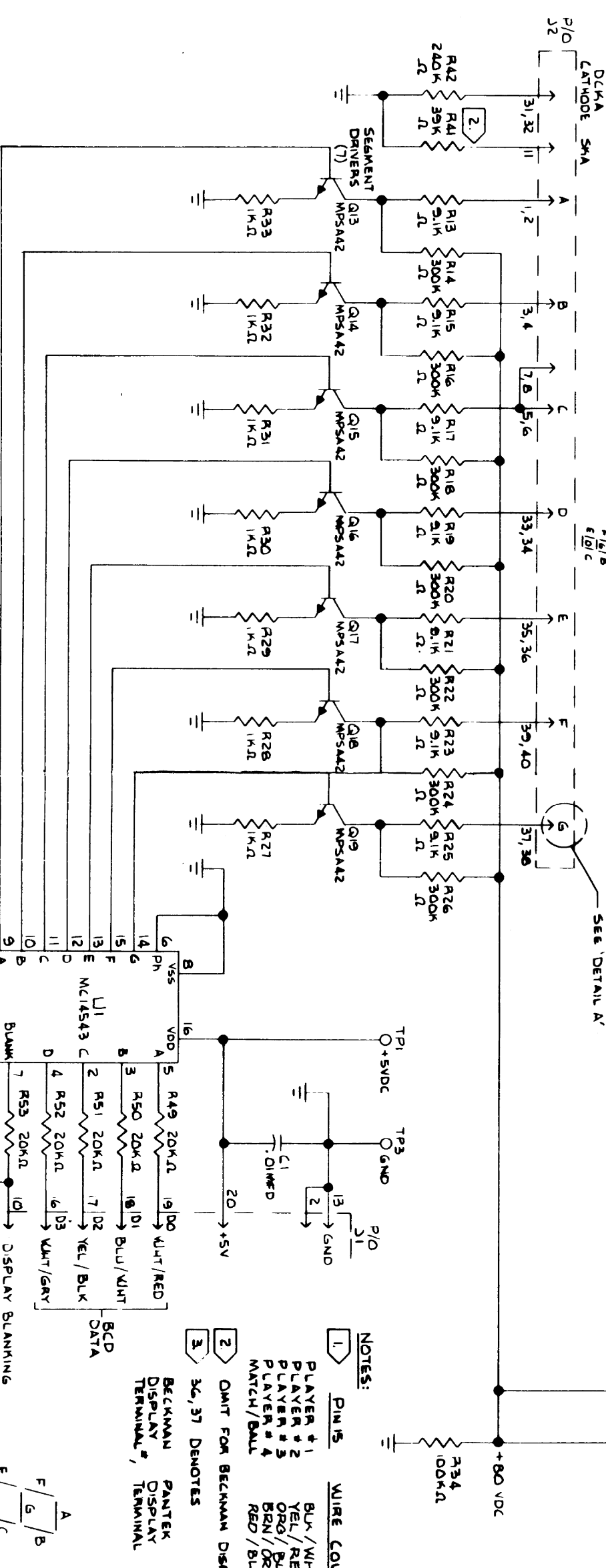
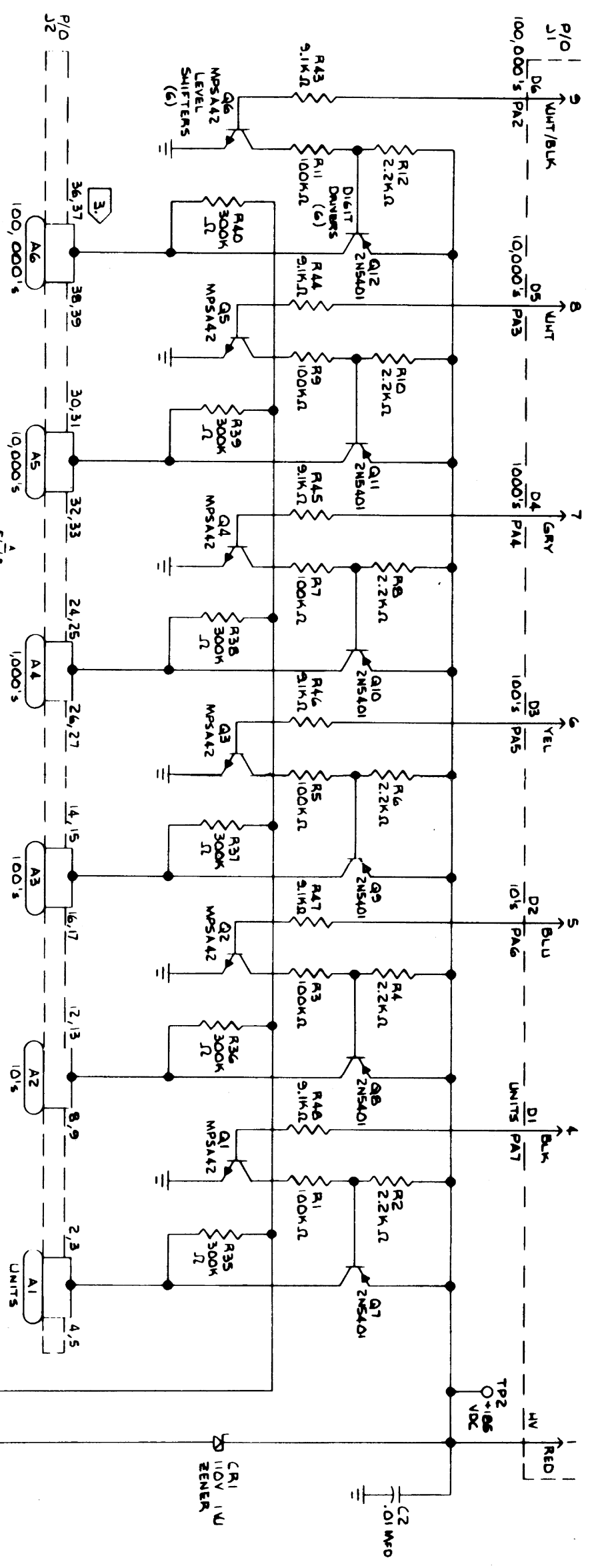
A2 TRANSFORMER

SEE INDIVIDUAL SCHEMATIC DRAWINGS FOR WIRE COLORS.
SEE LDA SCHEMATIC FOR FEATURE LAMP PIN OUTS
SEE SDU SCHEMATIC FOR SOLENOID PIN OUTS.



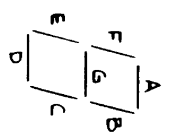
		SCALE:		PART MUST BE FREE OF BURRS	
		Unless otherwise specified, all fractional dimensions carry tolerances of plus and minus .010. All decimal dimensions plus and minus .005. Exceptions: Drilled holes plus .003 minus .001. Die casting fractional plus and minus .003. Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles $\pm 30'$ unless otherwise specified.			
ISSUE		CHANGE		DATE	

1725 DIVERSEY BLVD. CHICAGO 60614 SCHEMATIC, ELECTRONIC SOUNDS FOR SOLID STATE DRN. <u>200.</u> DATE <u>8-21-79</u> AM'T FIN. APPR.			
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NOTES:

1. **PINIS** WIRE COLOR
 PLAYER # 1 BLK / WHT
 PLAYER # 2 YEL / RED
 PLAYER # 3 ORG / BLU
 PLAYER # 4 BRN / GRG
 MATCH / BLK RED / BLK
2. OMIT FOR BECKMAN DISPLAYS.
3. 36, 37 DENOTES BECKMAN PANTER DISPLAY TERMINAL #, TERMINAL



6 DIGIT DISPLAY

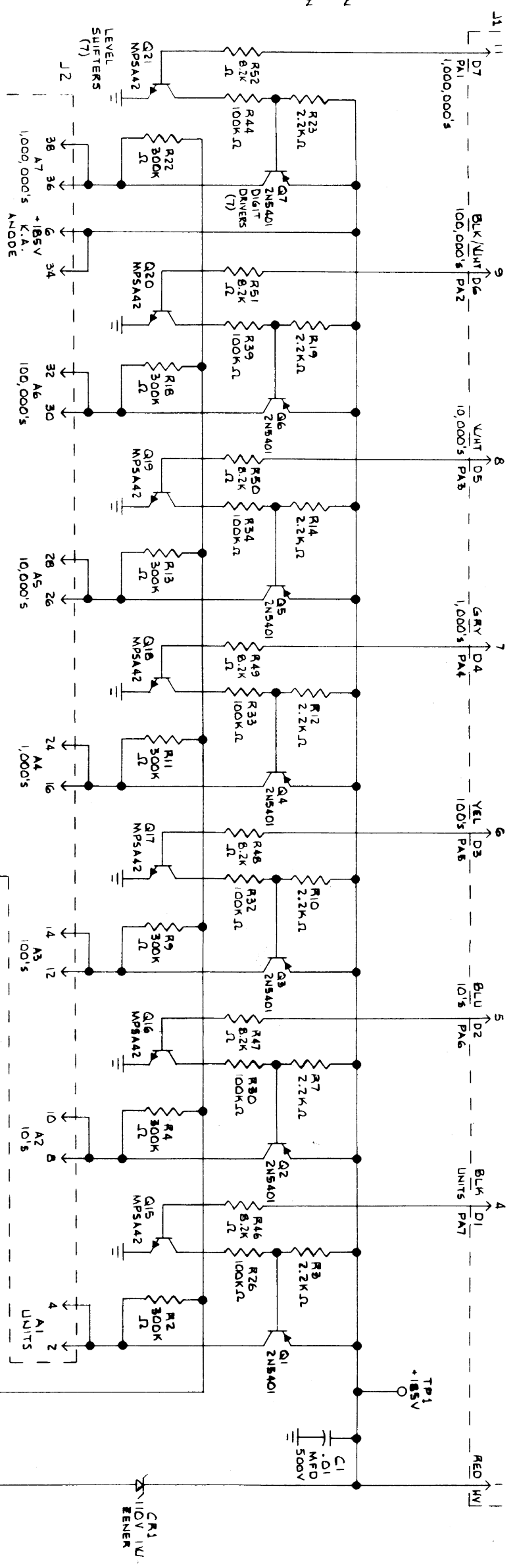
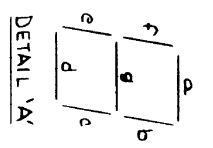
1.	PIN IS	WIRE COLOR
----	--------	------------

- 2

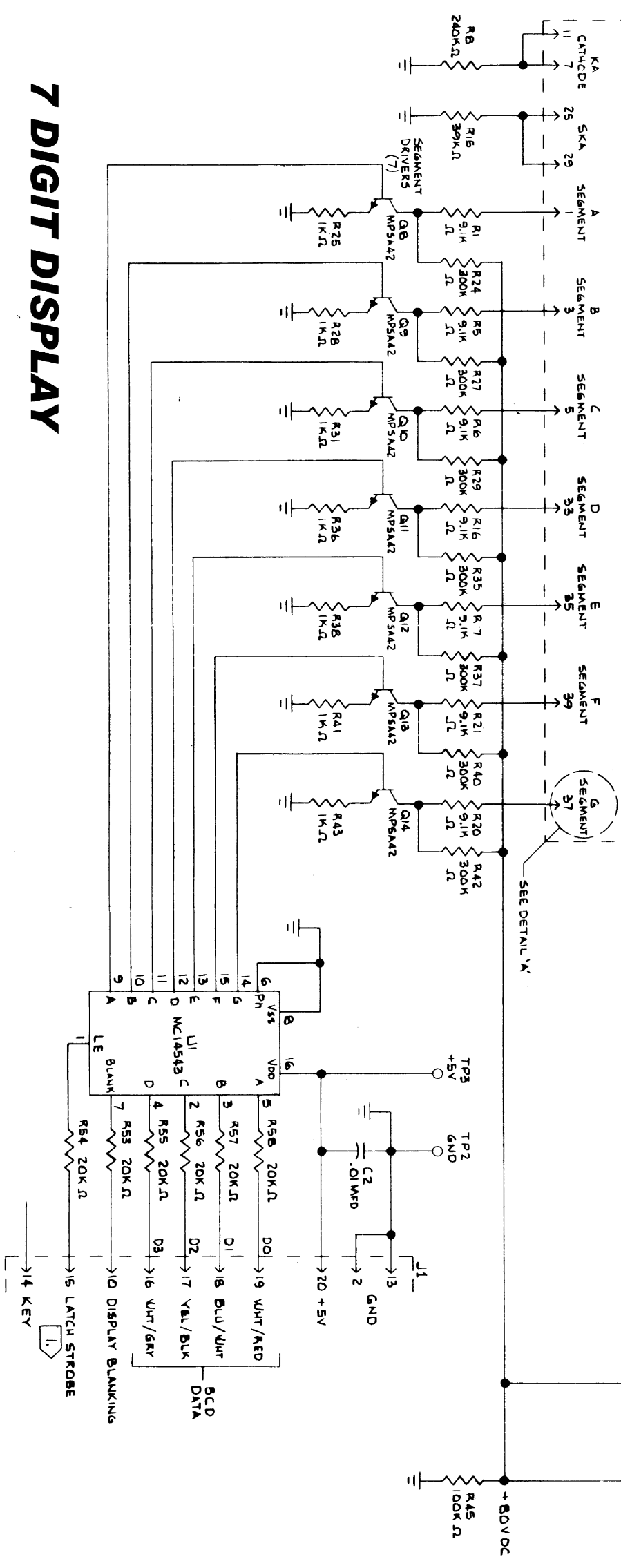
LAST 'C' NUMBER USED C2
 LAST 'GR' NUMBER USED C1
 LAST 'U' NUMBER USED J2
 LAST 'Q' NUMBER USED Q21
 LAST 'R' NUMBER USED R58
 LAST 'TP' NUMBER USED TP3
 LAST 'U' NUMBER USED U1
- 3

ON P.C. BOARD LEGEND:

NOMENCLATURE DO IS THE ABBREVIATION FOR DIGIT DRIVER
 NOMENCLATURE US IS THE ABBREVIATION FOR LEVEL SHIFTER

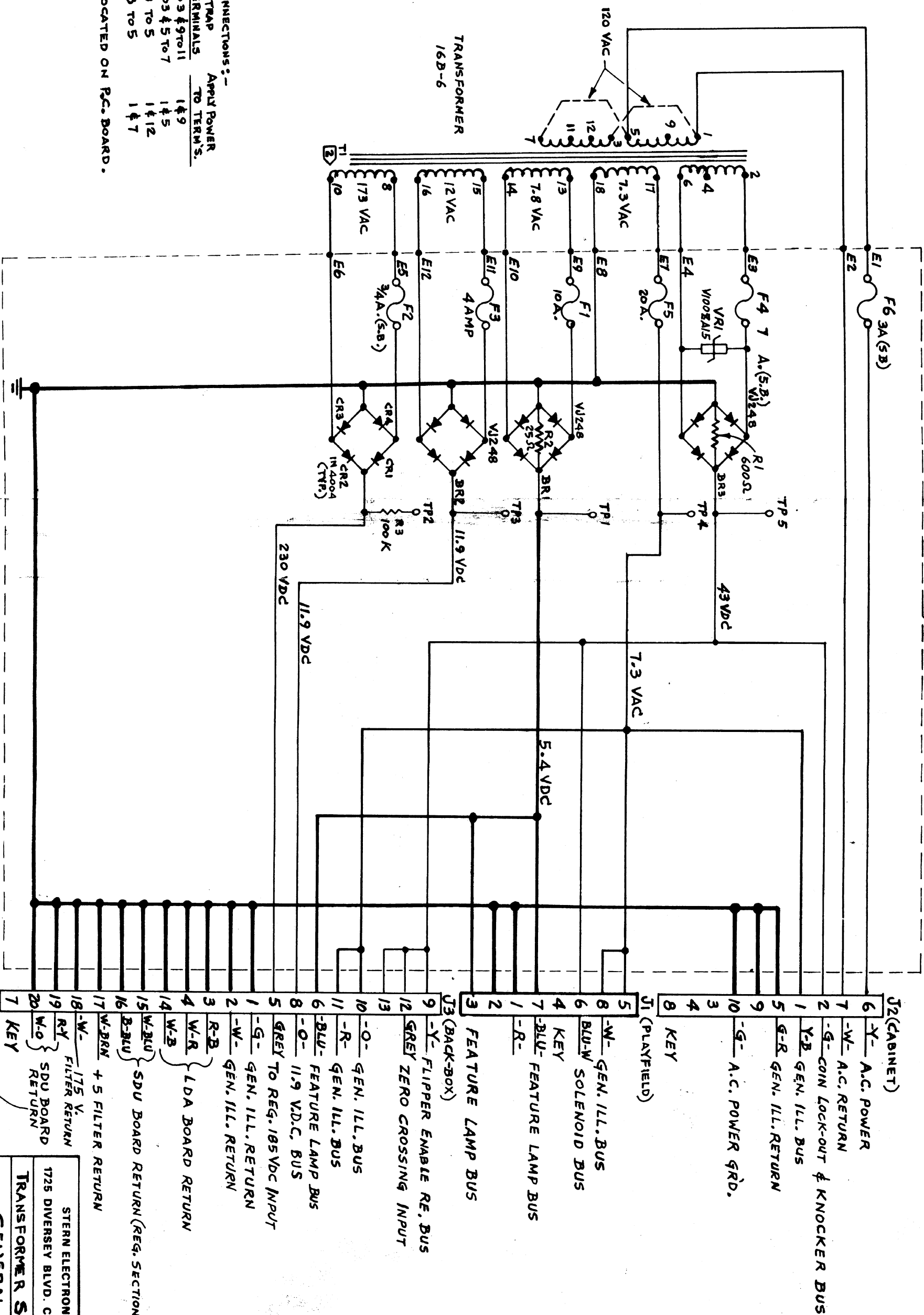


7-DIGIT DISPLAY



7 DIGIT DISPLAY

TA-100
AC BOARD



NOTES:

1. POWER LINE CONNECTIONS:-

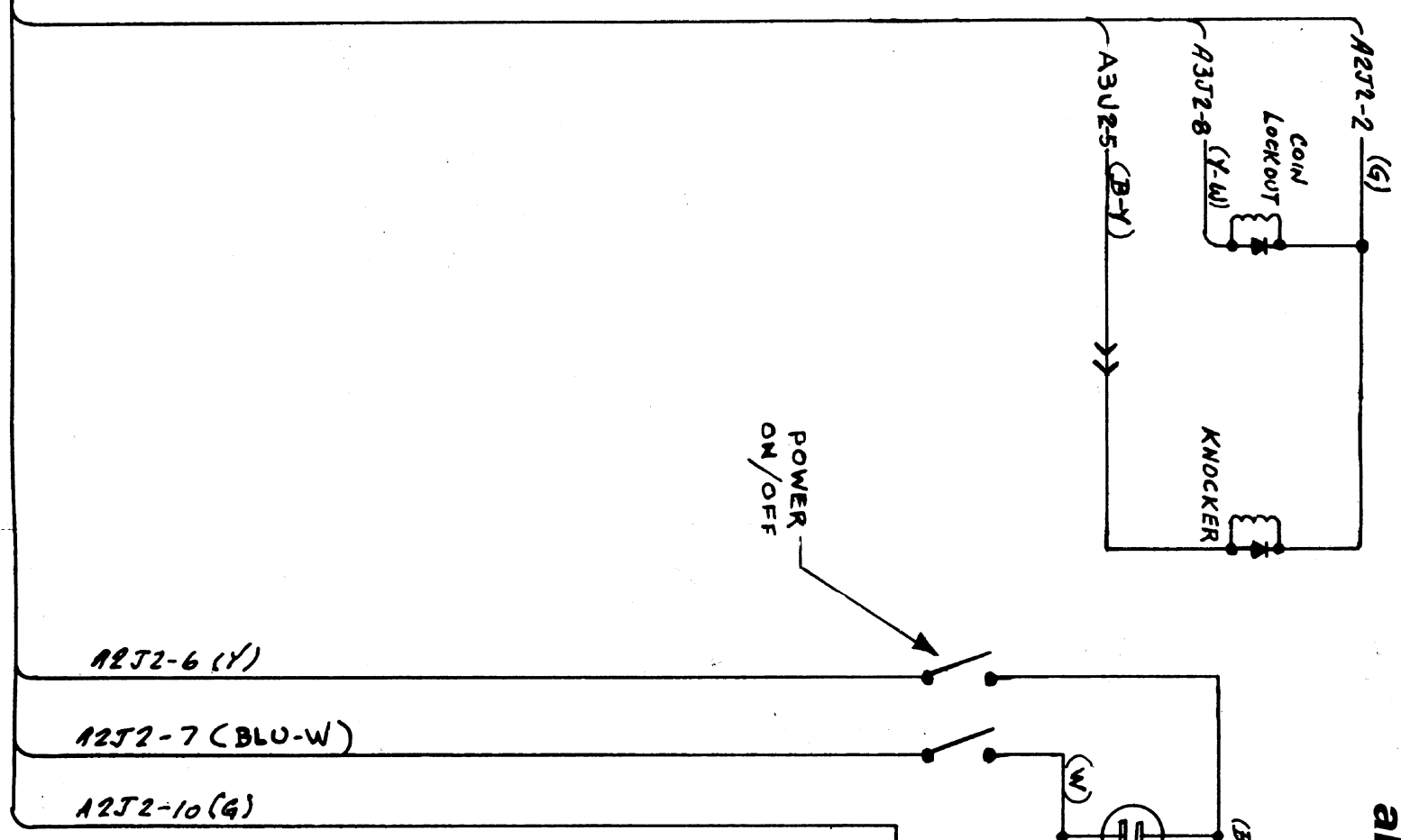
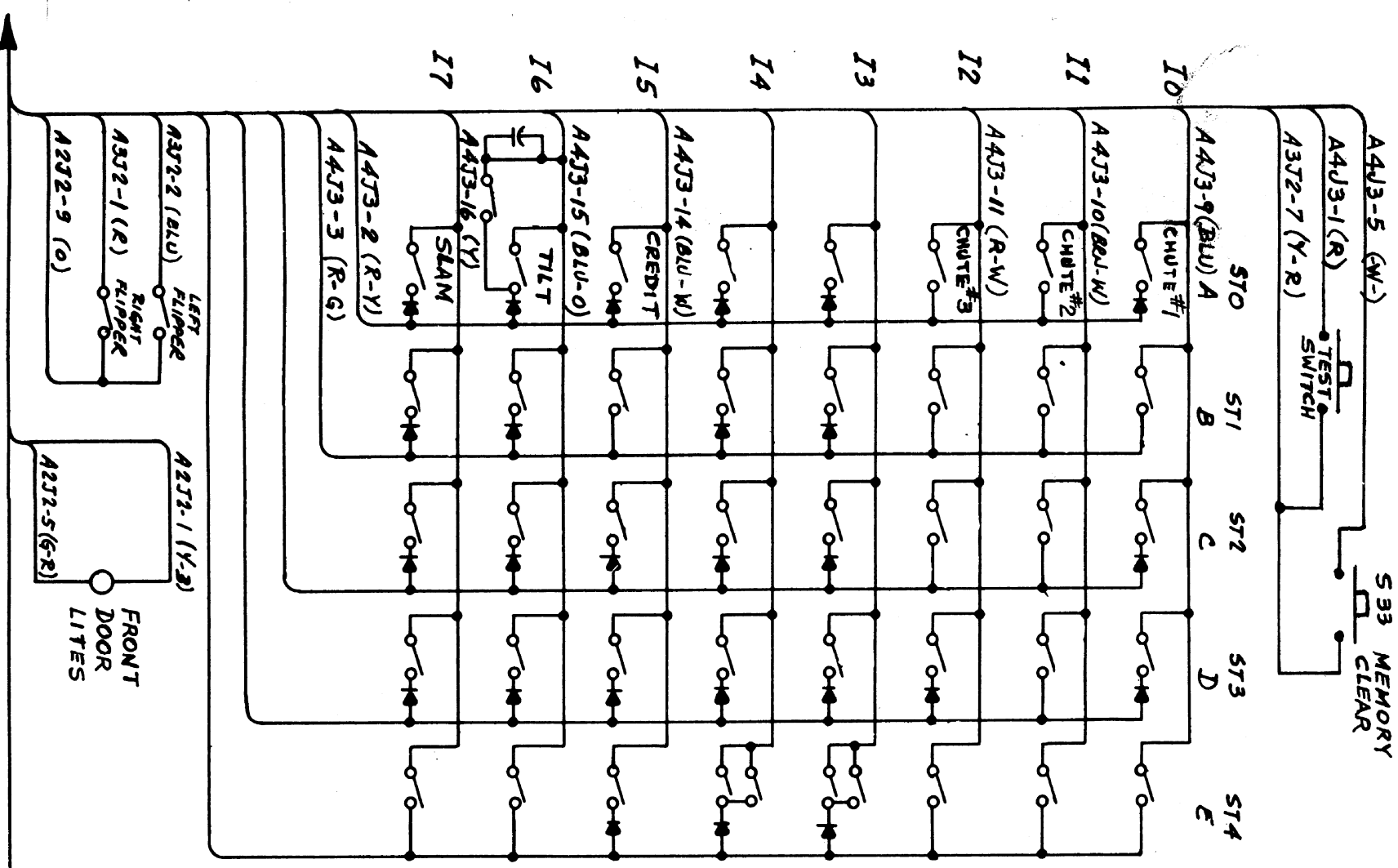
AC LINE VOLTAGE	STRAP TERMINALS	APPLY POWER TO TERM'S.
115	1 TO 3 & 9 TO 11	1 & 9
120	1 TO 3 & 5 TO 7	1 & 5
220	3 TO 5	1 & 12
240	3 TO 5	1 & 7

2. T1 IS NOT LOCATED ON P.C. BOARD.

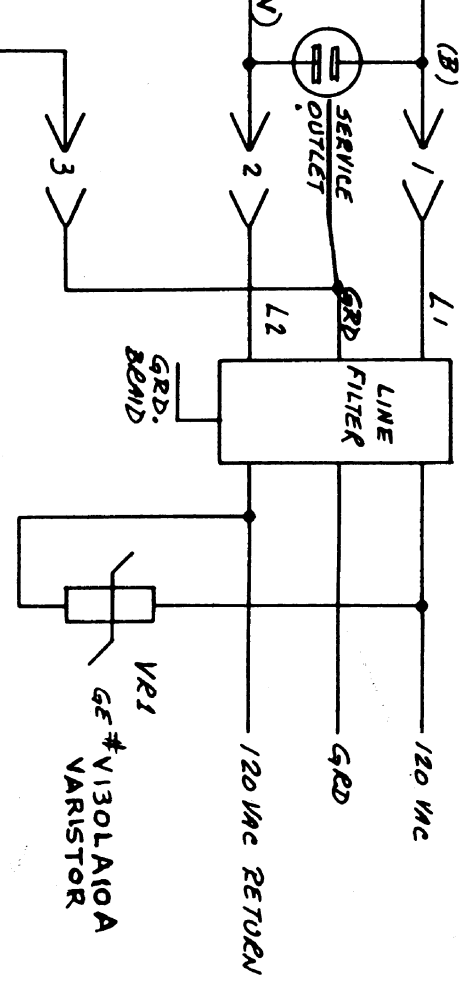
12B-16B-6A

(SOL. DR. SECTION)

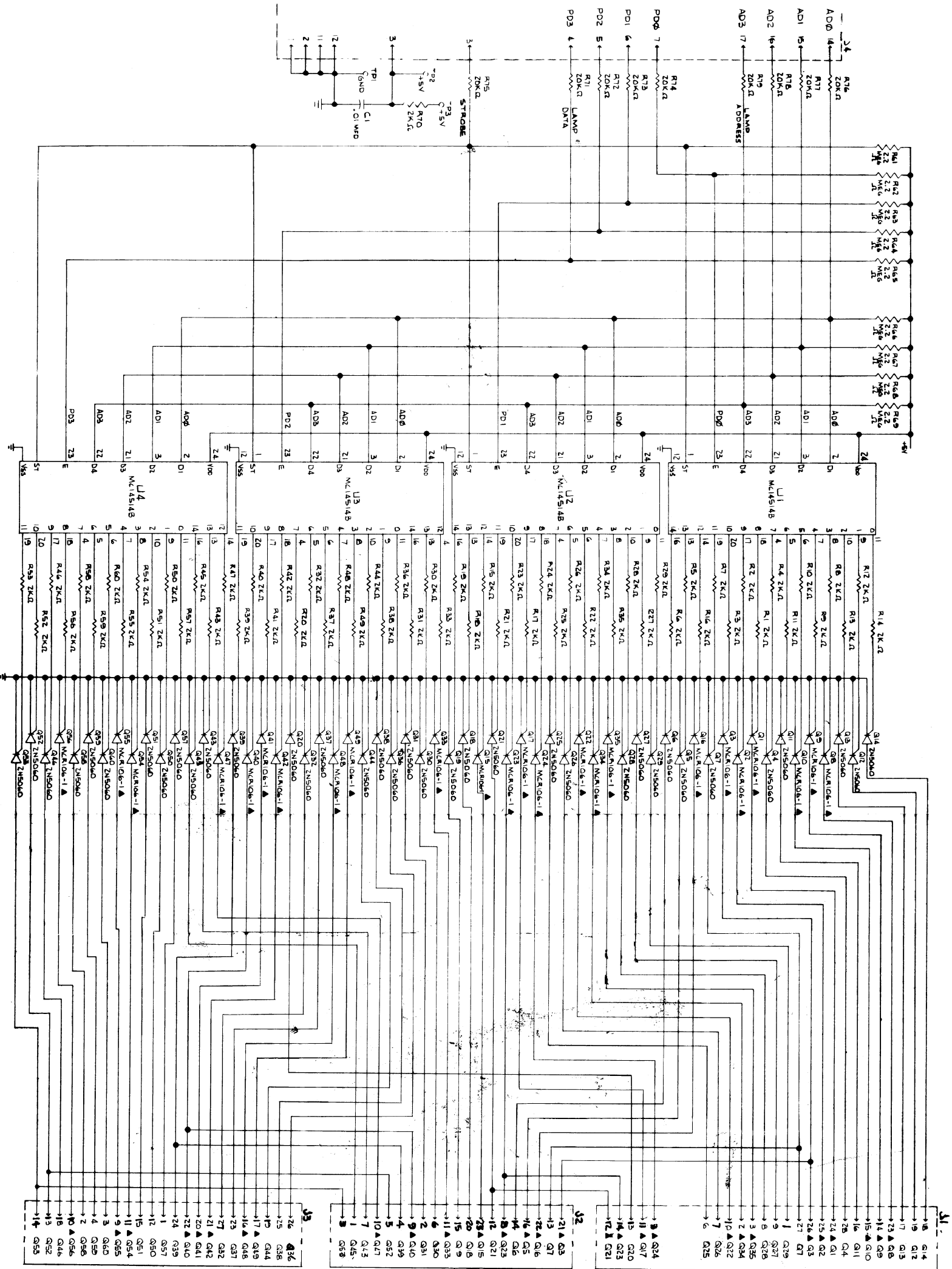
STERN ELECTRONICS INC.	
1725 DIVERSEY BLVD. CHICAGO 60614	
TRANSFORMER SCHEMATIC	
FOR	GENERAL USE
DRN. E.C.D.	DATE 8-24-79 AMT



CABINET and FRONT DOOR wiring
 nlu = not used.
 all diodes are 1N-4004



FRONT DOOR JACK	
JACK PIN No.	FROM:
1	A4J3-9
2	A4J3-10
3	A4J3-11
4	A4J3-12
5	A4J3-13
6	A4J3-14
7	A4J3-15
8	A4J3-16
10	A4J3-2
15	A2J2-2
16	A3J2-8
17	A2J2-1
18	A2J2-5
19	A4J3-1
20	A3J2-7

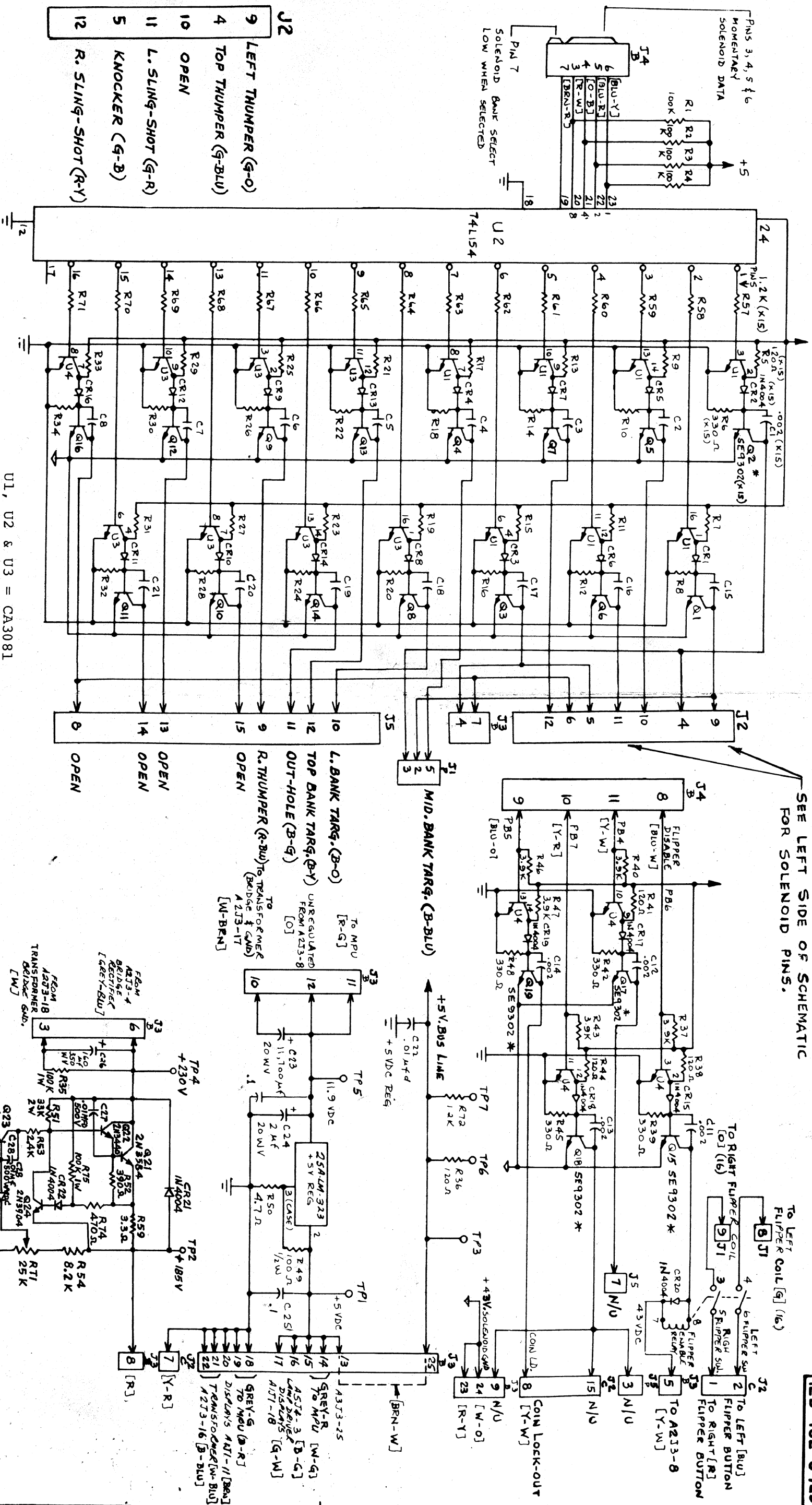


- NOTES:
1. ▲ INDICATES MCA106-1 TRANSISTOR.
 2. THIS DOCUMENT FOR LDA100 REV. A AND LDA-REV. B SINGLE SIDED P.C. BOARDS.

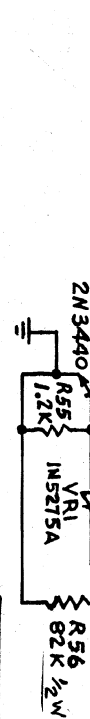
DESCRIPTION	WIRE COLOR	JACK LDA	PIN NO.
BLUE LEFT SIDE	BROWN-B	J1	18
BLUE RIGHT SIDE	BROWN-B	J1	19
BLUE 2nd. LEFT SIDE	BROWN-B	J1	16
BLUE 2nd. RIGHT SIDE	BROWN-B	J1	17
BLUE 3rd. LEFT SIDE	BLACK	J1	26
BLUE 3rd. RIGHT SIDE	BLACK	J1	27
BLUE 4th. LEFT SIDE	PURPLE	J1	17
BLUE 4th. RIGHT SIDE	PURPLE	J1	18
BLUE 5th. LEFT SIDE	O-R	J1	12
BLUE 5th. RIGHT SIDE	O-R	J1	13
BLUE ROLL-OVER SWITCH LITE (TOP)	BROWN	J1	25
DOUBLE LOOP VALUE	BLUE-W	J1	9
BONUS--1,000	BLUE-W	J1	23
BONUS--2,000	BLUE-W	J1	24
BONUS--3,000	PURPLE-W	J1	13
BONUS--4,000	PURPLE-W	J1	14
BONUS--5,000	GREY-Y	J1	15
BONUS--6,000	GREY-Y	J1	16
BONUS--7,000	GREY-Y	J1	17
BONUS--8,000	GREY-Y	J1	18
BONUS--9,000	GREY-Y	J1	19
BONUS--10,000	GREY-Y	J1	20
BOTTOM DROP TARGET (LAST PAR.) 10,000	GREY-G	J2	12
BOTTOM DROP TARGET (MIDDLE)	GREY-G	J2	13
DROP TARGET INCREASE (BOTTOM)	GREY-W	J2	11
GAME OVER	GREY-W	J2	12
HIGH SCORE NO DATE	GREY-O	J2	22
LEFT SPECIAL	W-O	J3	20
LEFT RETURN	BROWN-BLU	J1	24
LITE EXTRA BALL B-1	B-Y	J2	5
LITE EXTRA BALL B-2	GREY	J2	9
MATCH	PUR-BLU	J2	8
MIDDLE DROP TARGET (LAST PAR.) 10,000	R-BLU	J2	18
MIDDLE LITE--EXTRA BALL	B-O	J1	11
RIGHT RETURN	B-O	J1	4
RUMAT SPECIAL	PUR-B	J2	4
SHOOT AGAIN (INSERT)	GREY-B	J2	21
SPINNER, TOP	GREY-R	J2	13
SPINNER, 2nd. TOP	W-BLU	J1	13
SPINNER, 2nd. BOTTOM	B-BLU	J1	6
SPINNER, BOTTOM	B-W	J1	28
STAND-UP LEFT	B-G	J1	16
STAND-UP RIGHT	O-W	J1	7
TARGETS INCREASE	R-W	J3	27
TOP DROP LITE 3-EXTRA BALL	O-B	J2	4
TOP DROP TARGET 10,000	O-G	J2	16
TILT	BLU-W	J2	20
1X	GREY-B	J2	7
2X	BLUE-R	J2	10
4X	Y-BLU	J2	14
SHOOT AGAIN (PLAYFIELD)	R-BLU	J2	15
	GREY-R	J1	26

STERN ELECTRONICS INC.		
1725 DIVERSEY BLVD. CHICAGO 60614		
LAMP DRIVER SCHEMATIC		
FOR SEA SWITCH		
DRN. 40.	DATE	AW'T
MAT	FIN.	APPR.

SEE LEFT SIDE OF SCHEMATIC
FOR SOLENOID PINS.



U1, U2 & U3 = CA3081
*SE9302 Substitute X44E198
Solenoid Test Display Nb.
is Drive Transistor (Q)
Position on SDU



SHEET # 3 OF 3

STERN ELECTRONICS INC.

1725 DIVERSEY BLVD. CHICAGO 60614

SOLENOID DRIVER
VOLTAGE REGULATOR SCHEMATIC

FOR SEA SWITCH

DRN. CUD. DAT. W.T. CHY

MAT. CHY APPN.