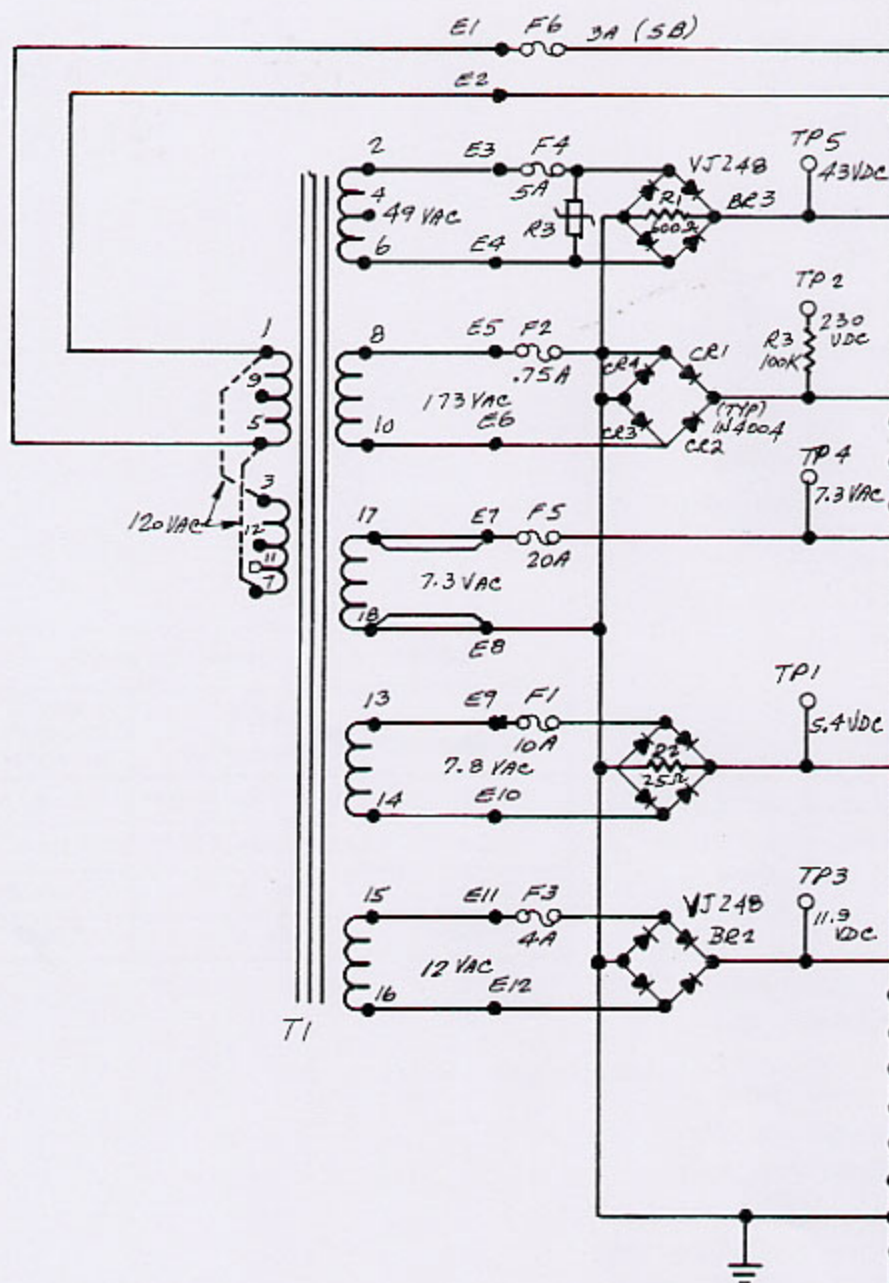
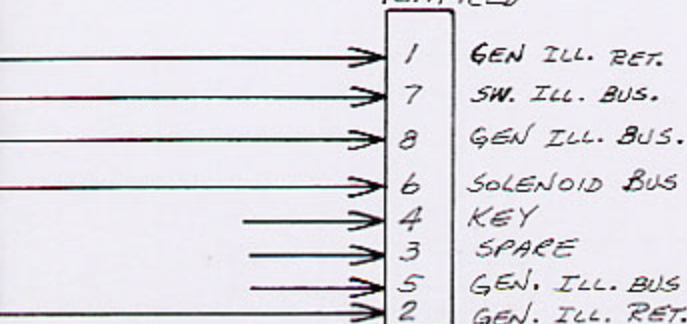
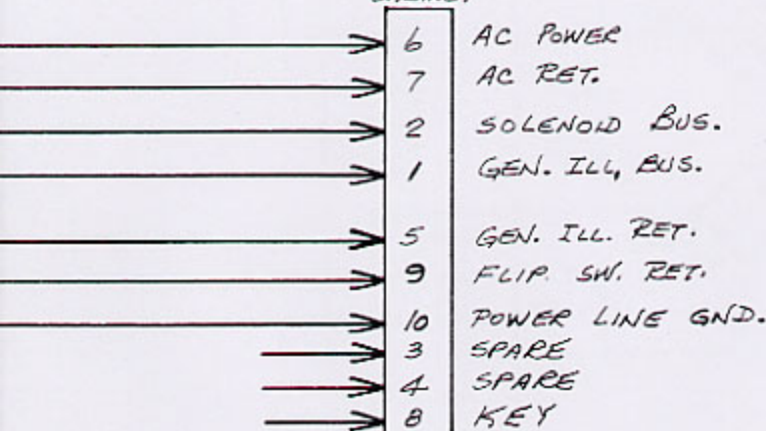
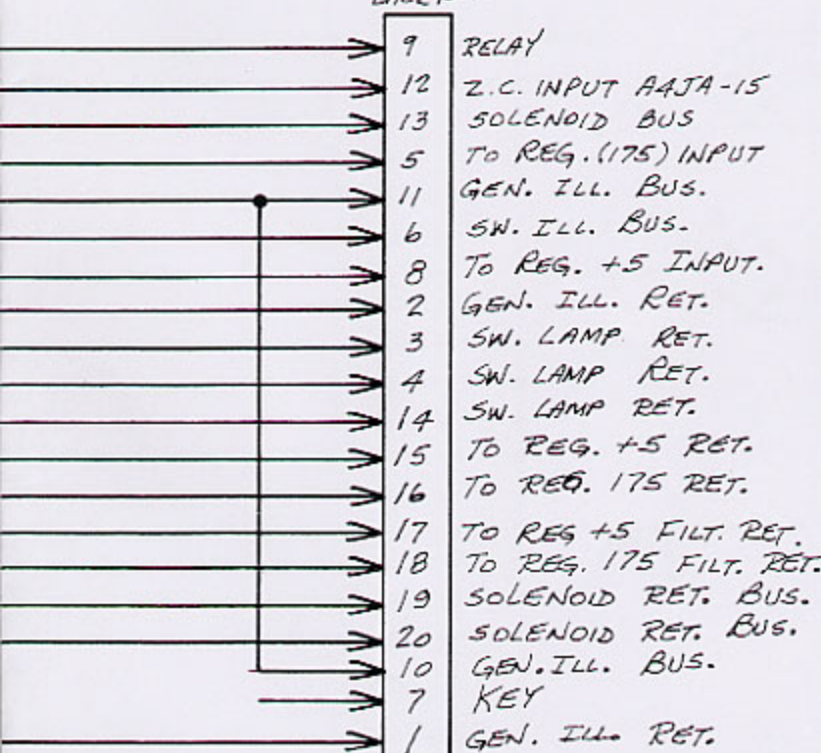




|       |        |
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|       |        |
| ISSUE | CHANGE |

J1  
PLAYFIELDJ2  
CABINETJ3  
BACK BOX

## POWER LINE CONNECTIONS

| AC<br>LINE VOLTAGE | STRAP<br>TERMINALS | APPLY<br>POWER<br>TO TERMINALS |
|--------------------|--------------------|--------------------------------|
| 115                | 1 to 3 AND 9 to 11 | 1 AND 9                        |
| 120                | 1 to 3 AND 5 to 7  | 1 AND 5                        |
| 220                | 3 to 5             | 1 AND 12                       |
| 240                | 3 to 5             | 1 AND 7                        |

SCALE: *40*

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 .005: Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30^\circ$  unless otherwise specified.

DATE

STERN ELECTRONICS INC.

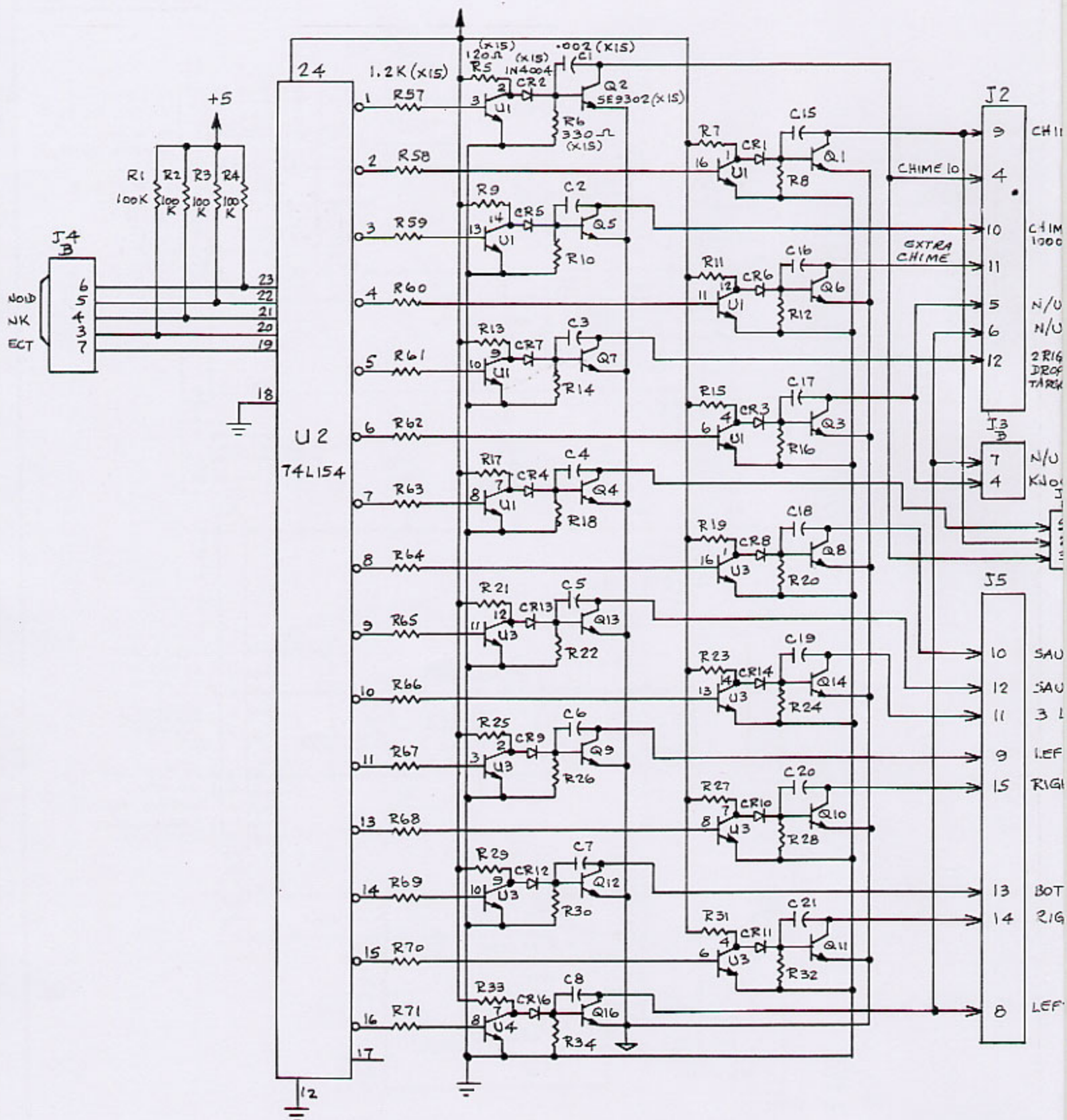
1725 DIVERSEY BLVD. CHICAGO 60614

POWER TRANSFORMER MODULE SCHEMATIC

FOR PINBALL SOLID STATE

DRN. J.J. DATE 9-20-77 AM'T *40*MAT *40* FIN. *40* APPR.



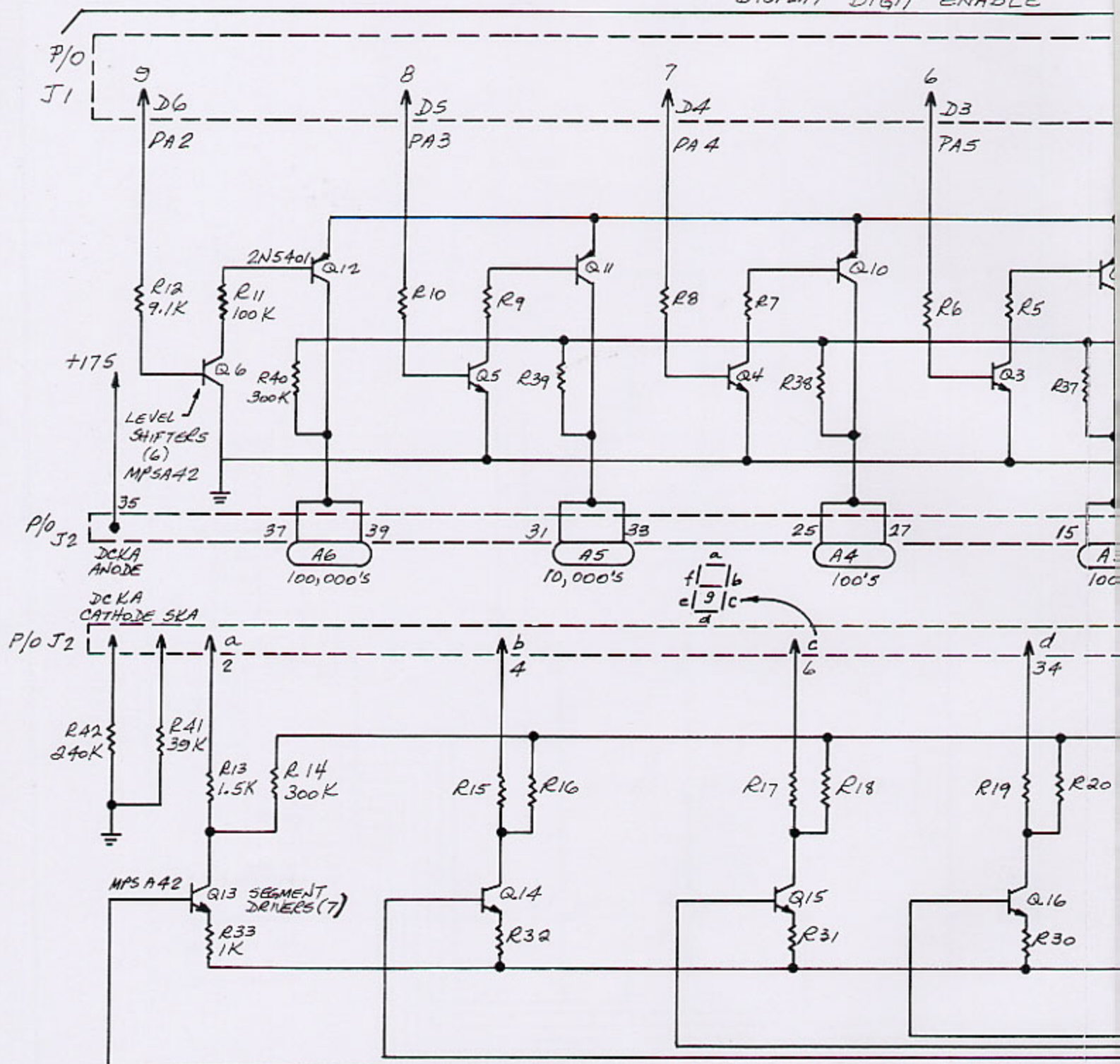




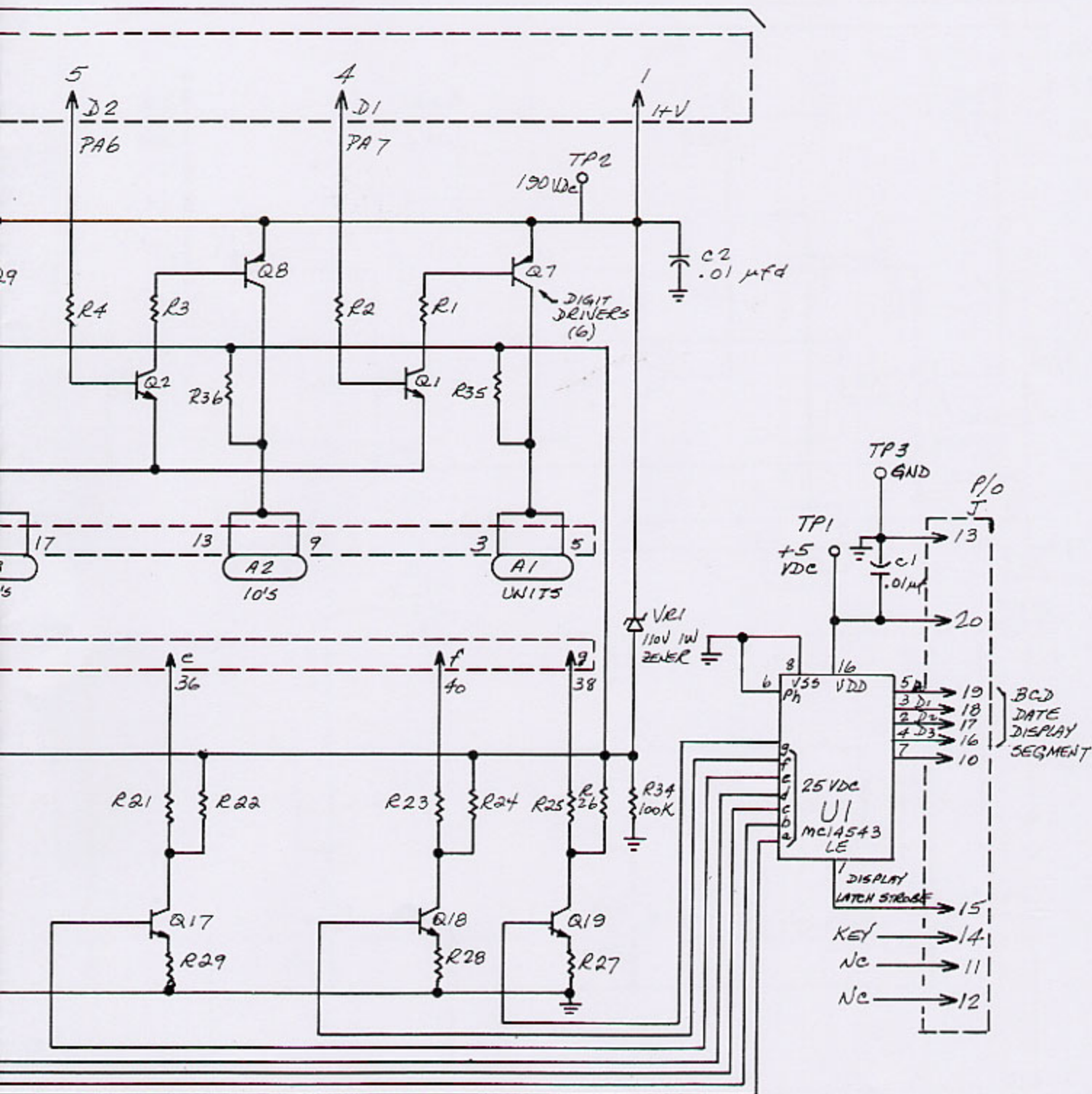




# DISPLAY DIGIT ENABLE



|       |        |
|-------|--------|
| ISSUE | CHANGE |
|       |        |
|       |        |
|       |        |
|       |        |



SCALE: L47

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 .005: Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30^\circ$  unless otherwise specified.

DATE

STERN ELECTRONICS INC.

1725 DIVERSEY BLVD. CHICAGO 60614

DISPLAY BOARD SCHEMATIC

PINBALL SOLID STATE

FOR

DRN. J.J.

DATE 9-20-77

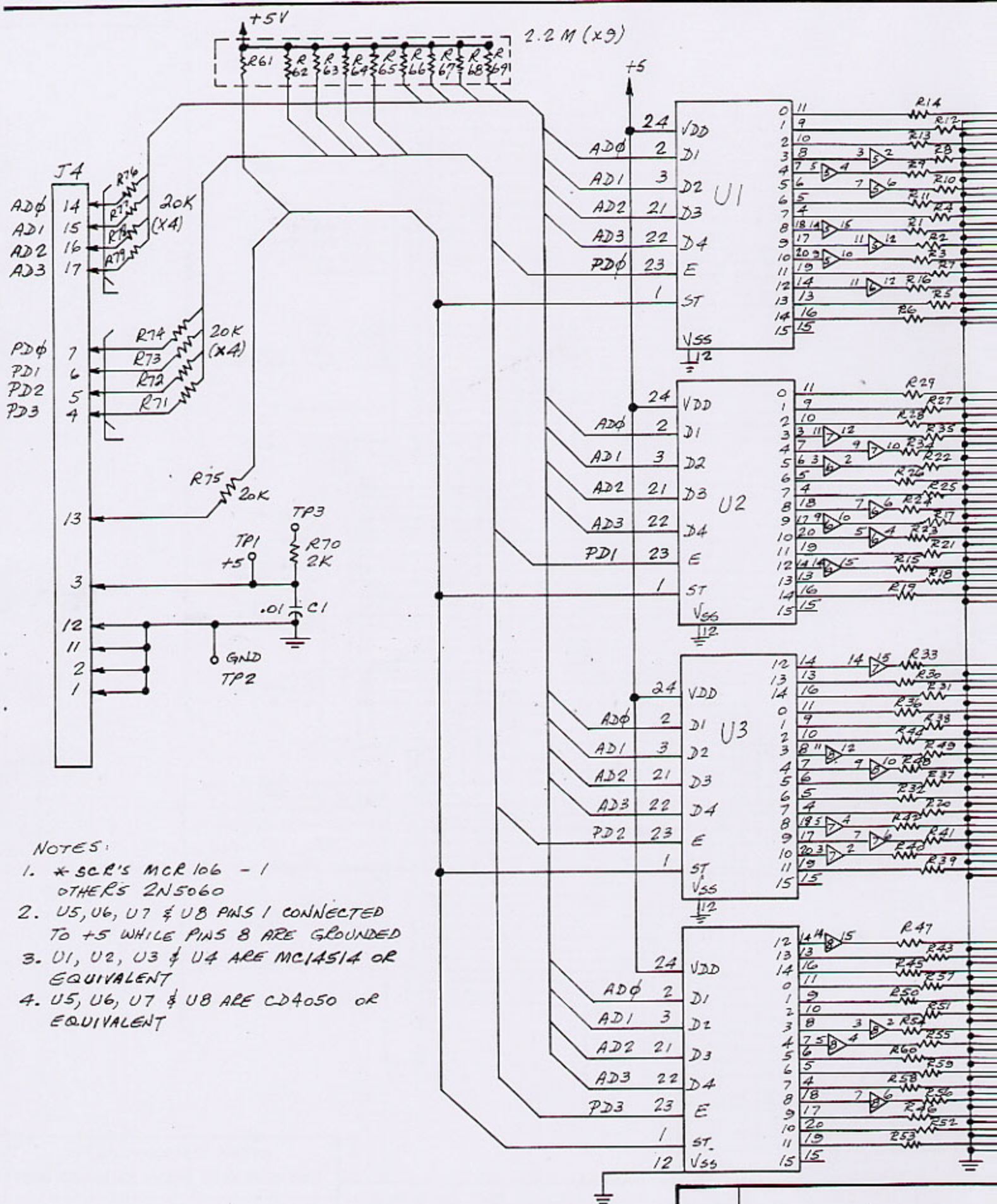
AM'T L47

MAT

FIN. L47

APPR.

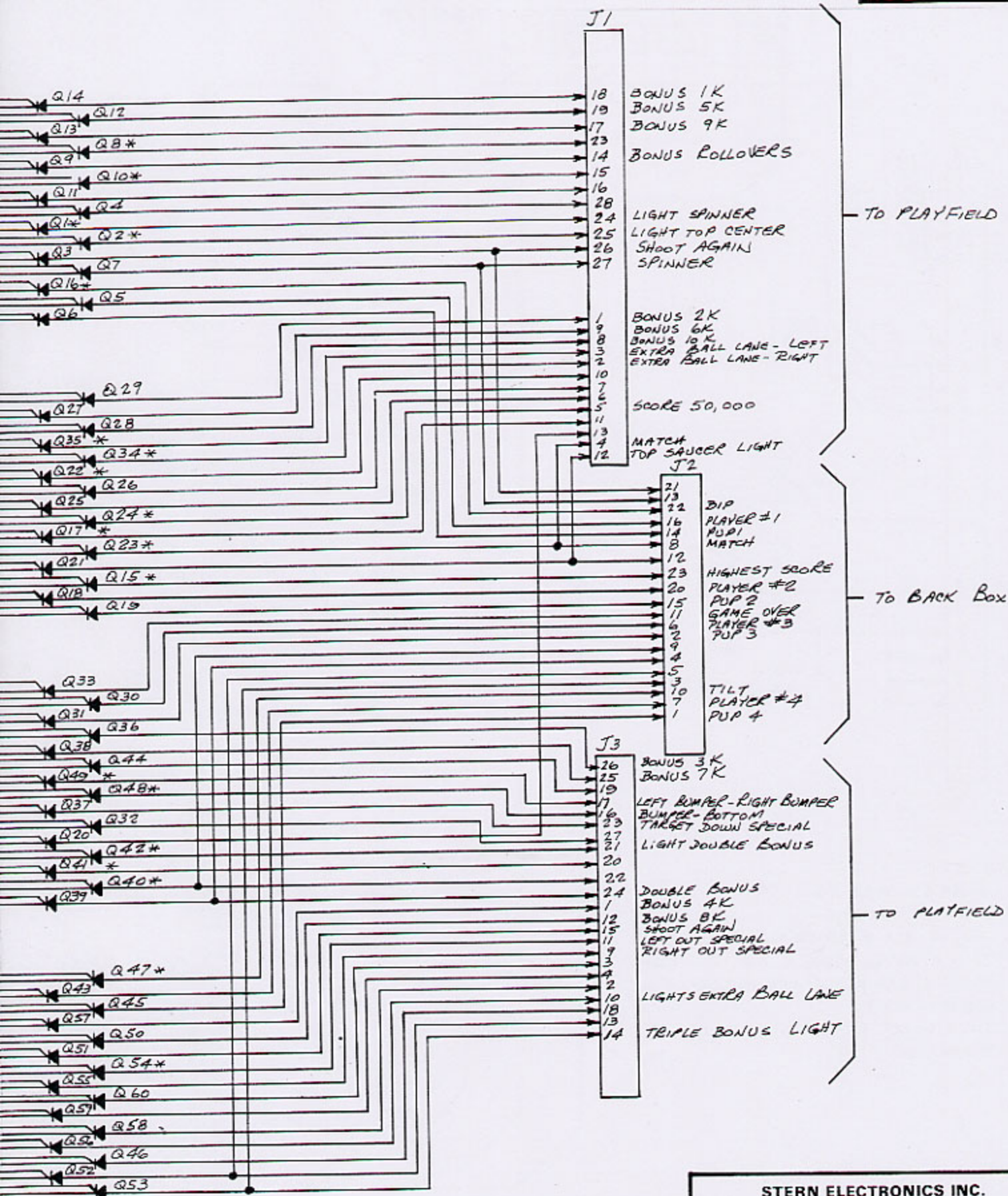




# NOTES:

1. \* SCR'S MCR 106 - 1  
OTHERS 2N5060
2. U5, U6, U7 & U8 PINS 1 CONNECTED  
TO +5 WHILE PINS 8 ARE GROUND
3. U1, U2, U3 & U4 ARE MC14514 OR  
EQUIVALENT
4. U5, U6, U7 & U8 ARE CD4050 OR  
EQUIVALENT





STERN ELECTRONICS INC.

1725 DIVERSEY BLVD. CHICAGO 60614

## LAMP DRIVER SCHEMATIC

FOR PINBALL SOLID STATE

DRN. C.W. DATE 9-21-77 AM'T C.W.

MAT. C.W. FIN. C.W. APPR.

SCALE: C.W.

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 .005: Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30^\circ$  unless otherwise specified.

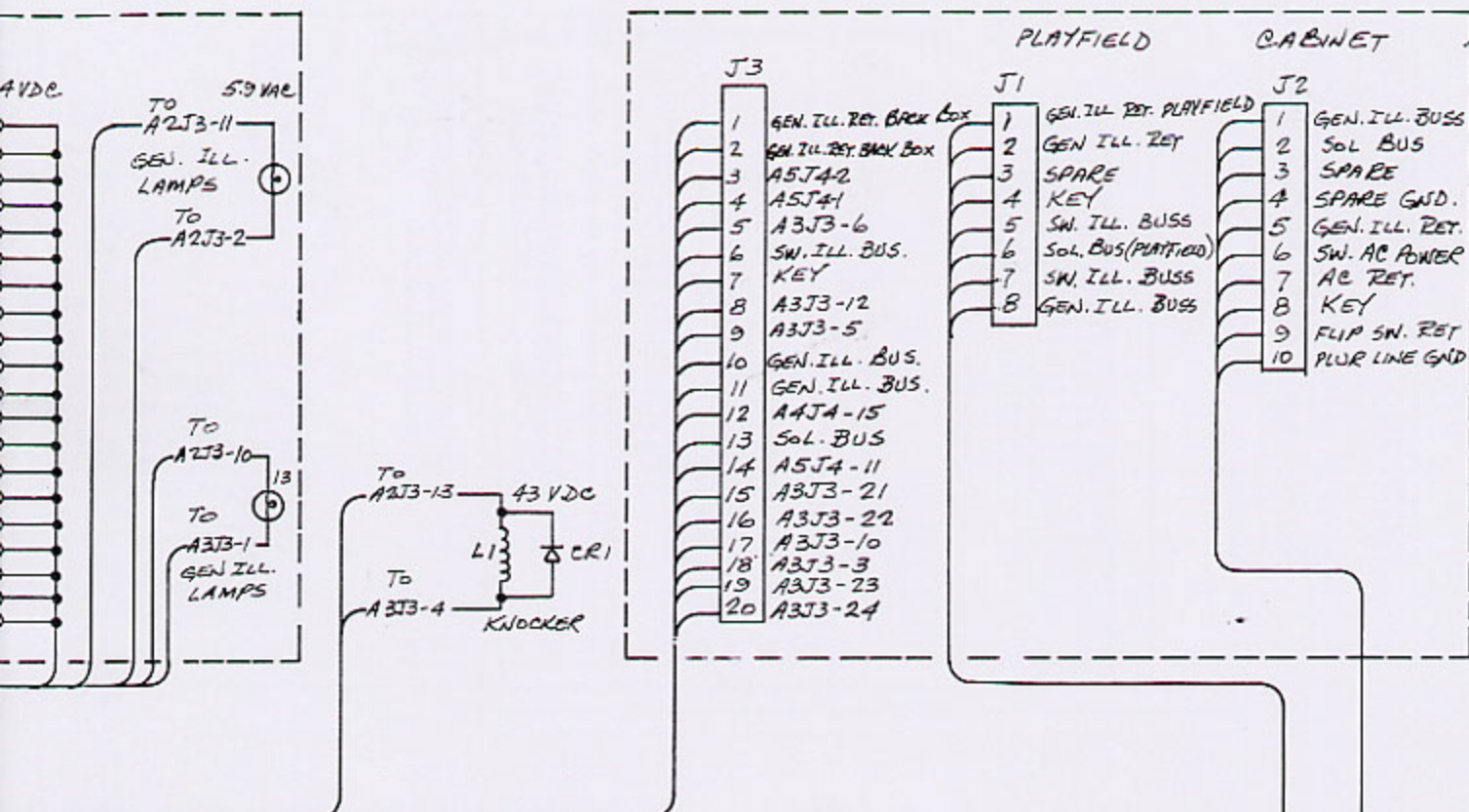
DATE



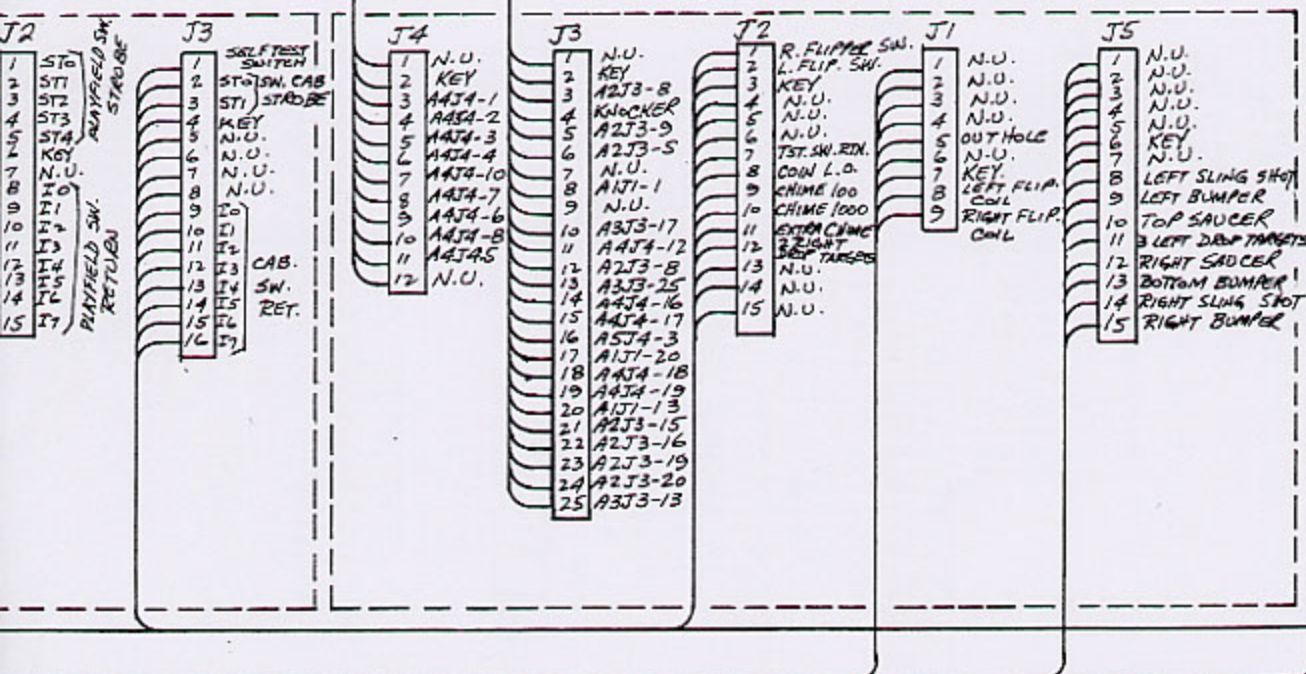




## A2 TRANSFORMER



## VOLTAGE REGULATOR / SOLEN. DRIVER A3



SHEET 1 OF 3 SHEET

STERN ELECTRONICS INC.

1725 DIVERSEY BLVD. CHICAGO 60614

WIRING DIAGRAM

FOR PINBALL SOLID STATE

DRN. J.J. DATE 9-21-77 AM'T 40

MAT 40 FIN. 40 APPR.

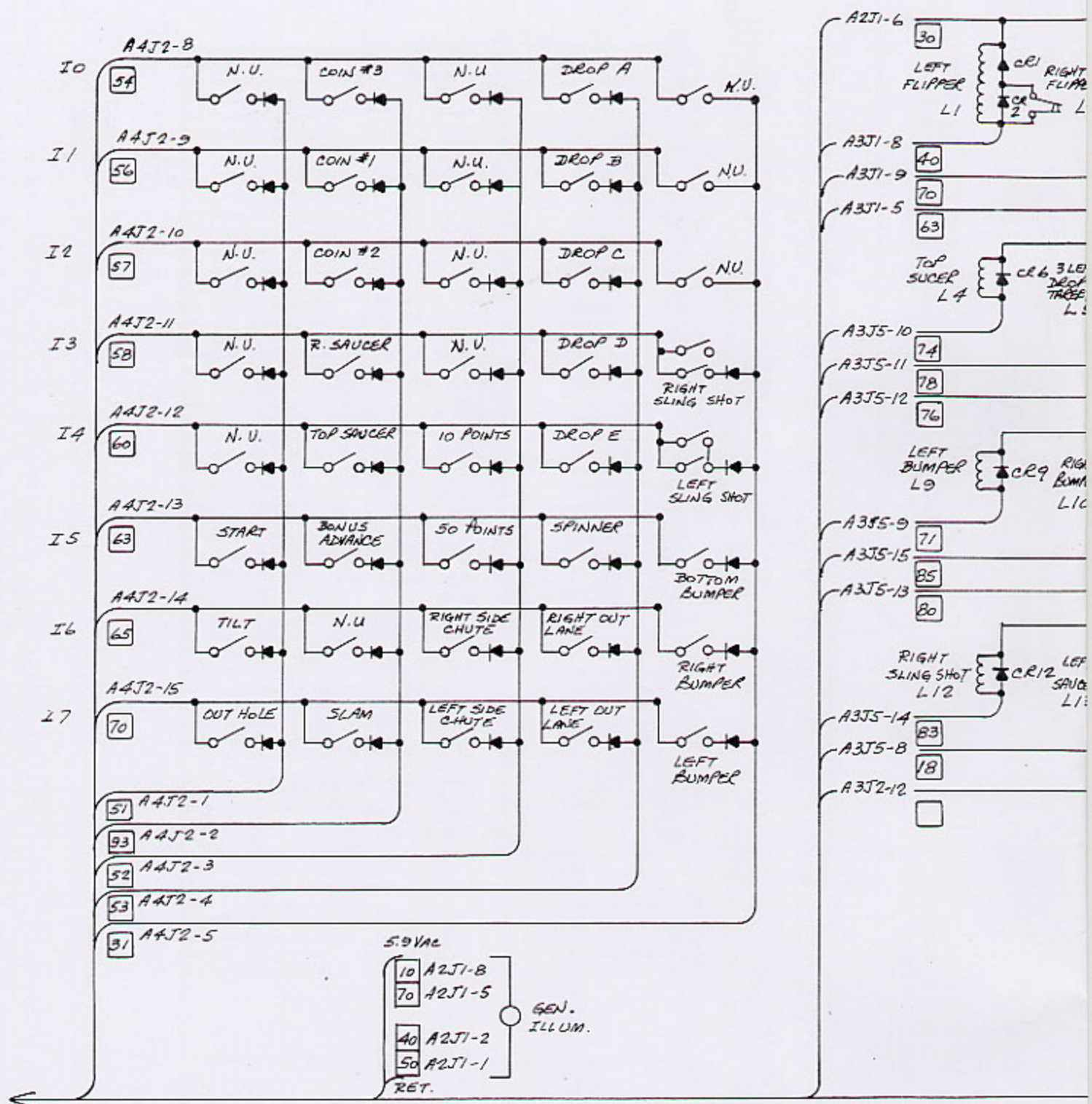
SCALE: 1/4"

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 .005: Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30^\circ$  unless otherwise specified.

DATE

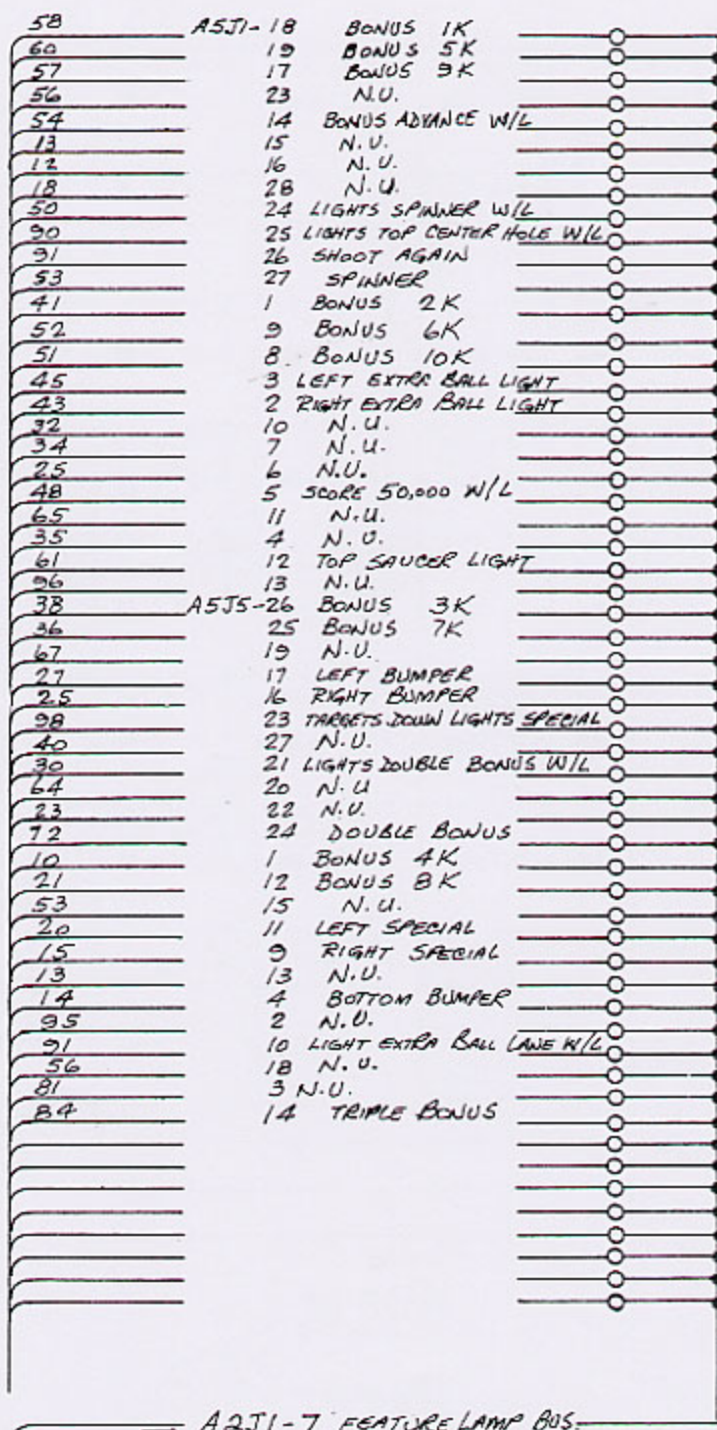
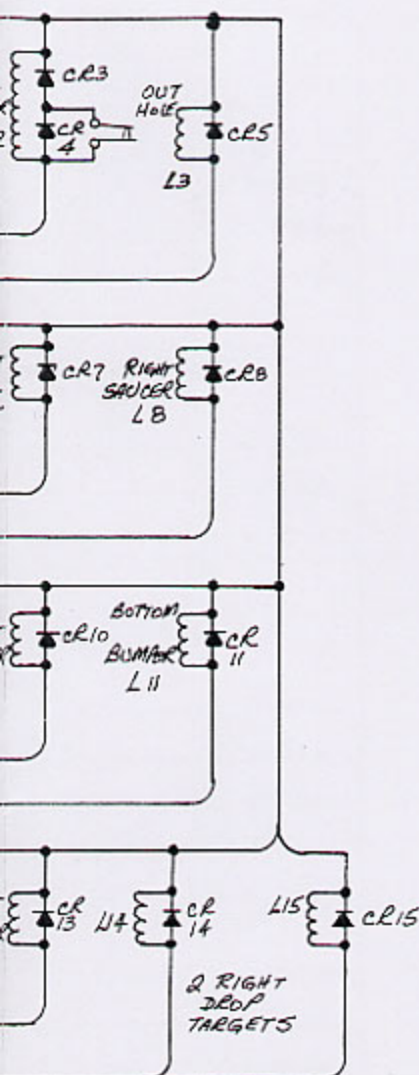




PLAYFIELD

|       |        |
|-------|--------|
|       |        |
|       |        |
|       |        |
| ISSUE | CHANGE |





20

SHEET 2 OF 3 SHEETS

STERN ELECTRONICS INC.  
1725 DIVERSEY BLVD. CHICAGO 60614

WIRING DIAGRAM  
FOR PINBALL SOLID STATE

|           |              |          |
|-----------|--------------|----------|
| DRN. J.T. | DATE 9-20-77 | AM'T LUT |
| MAT LUT   | FIN. LUT     | APPR.    |

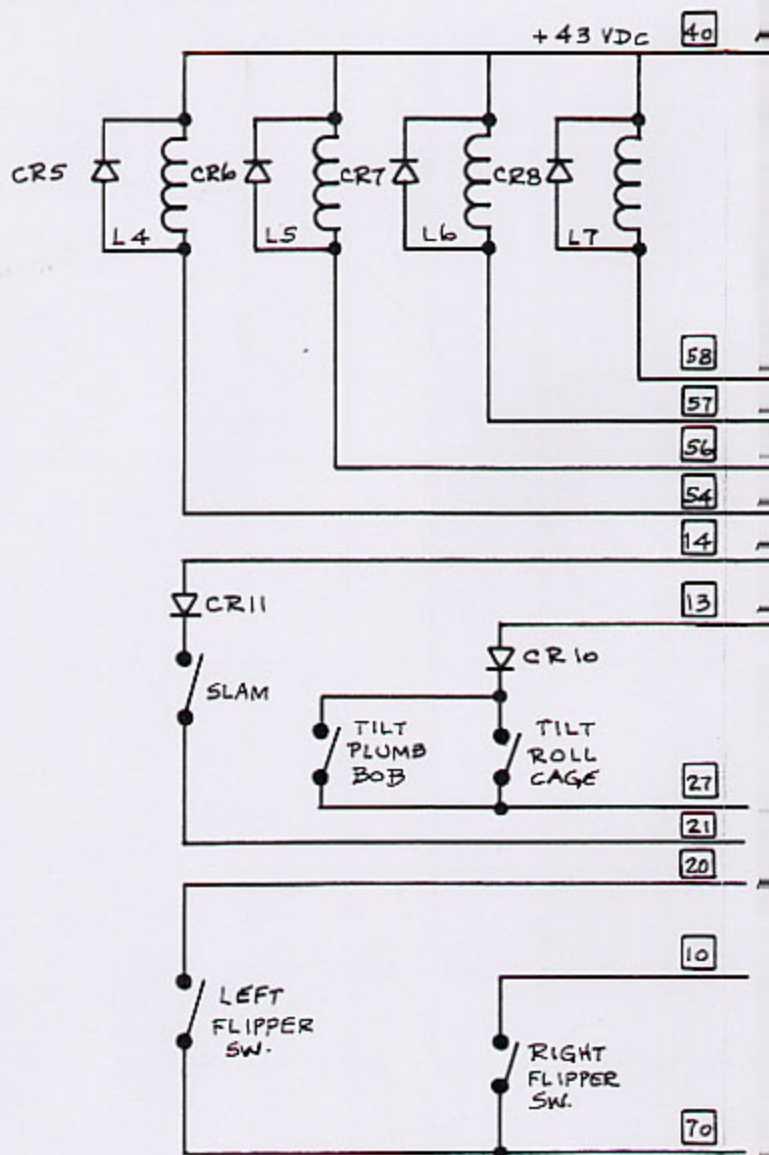
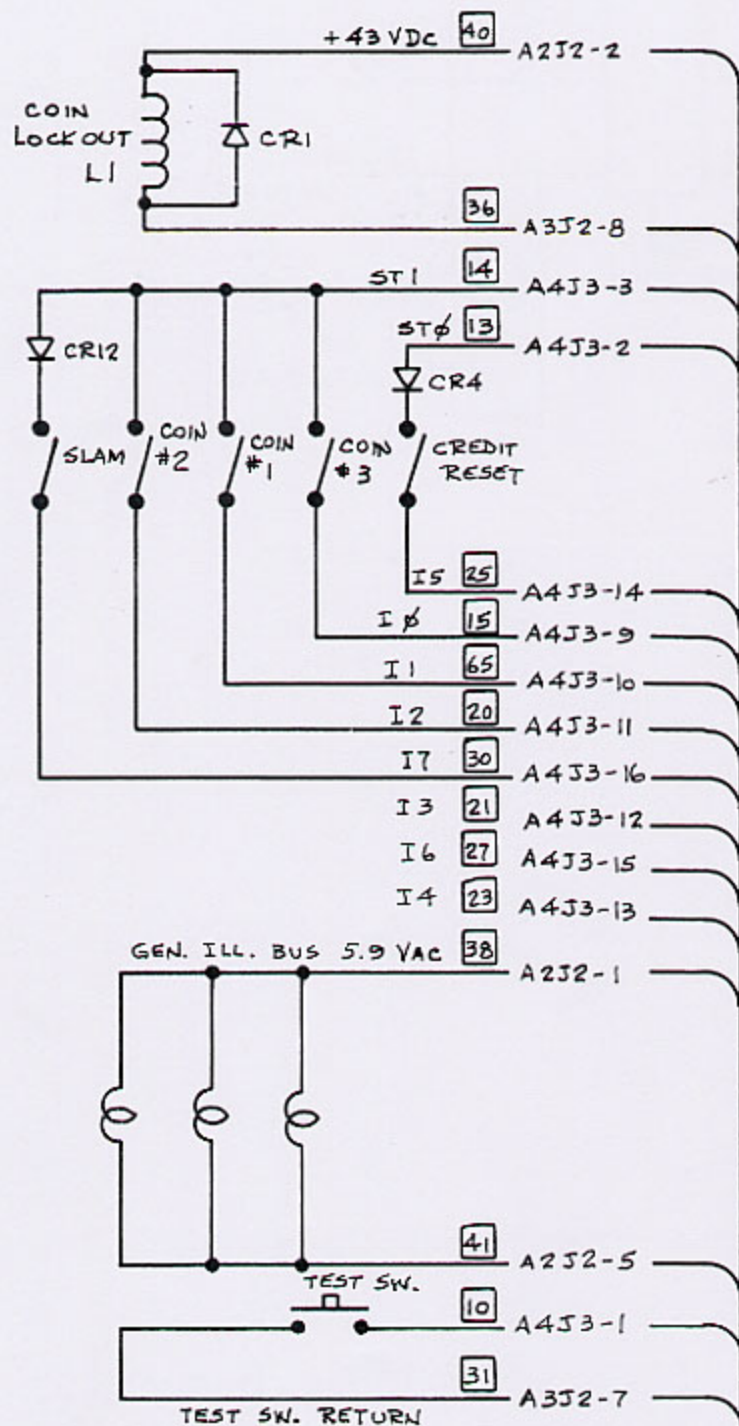
SCALE: LUT

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 .005. Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30^\circ$  unless otherwise specified.

DATE





J1- PIN 1 - A4J3-9  
 J1- PIN 2 - A4J3-10  
 J1- PIN 3 - A4J3-11  
 J1- PIN 4 - A4J3-12  
 J1- PIN 5 - A4J3-13  
 J1- PIN 6 - A4J3-14  
 J1- PIN 7 - A4J3-15  
 J1- PIN 8 - A4J3-16  
 J1- PIN 10 - A4J3-2  
 J1- PIN 11 - A4J3-3  
 J1- PIN 15 - COIN LOCK OUT  
 J1- PIN 16 - A3J2-8  
 J1- PIN 17 - A2J2-1  
 J1- PIN 18 - A2J2-5  
 J1- PIN 19 - A4J3-1  
 J1- PIN 20 - A3J2-7

POWER

|       |        |
|-------|--------|
|       |        |
|       |        |
|       |        |
| ISSUE | CHANGE |



2J2-2

3J2-4

3J2-9

3J2-10

2J3-11

4J3-3

4J3-2

4J3-15

4J3-16

3J2-2

3J3-1

2J2-9

A2J2-6 30

A2J2-7 50

A2J2-10 40

POWER  
ON/OFFSERVICE  
OUTLET

80

1

2

3

L1

L2

GRD  
BR-AID

FL1

120 VAC

GRD

120 VAC

RETURN

VR1

GE  
V130ZA15

TO BACK BOX

SHEET 3 OF 3 SHEETS

STERN ELECTRONICS INC.

1725 DIVERSEY BLVD. CHICAGO 60614

WIRING DIAGRAM

FOR PINBALL SOLID STATE

DRN. J.J.

DATE 9-20-70

AM'T 447

MAT 447

FIN. 447

APPR.

SCALE: 447

PART MUST BE FREE OF BURRS

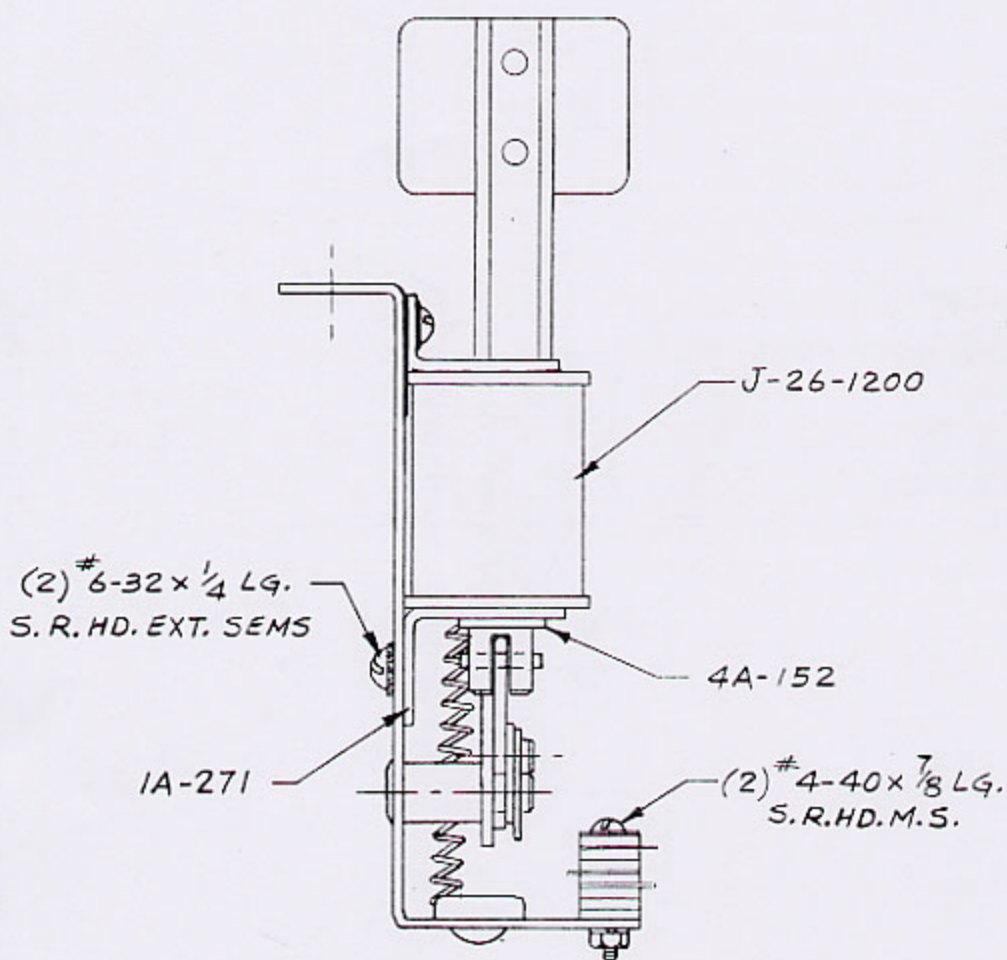
Unless otherwise specified, all fractional dimensions carry tolerances of plus and minus .010; All decimal dimensions plus and minus .005. Exceptions: Drilled holes plus .003 minus .001. Die casting fractional plus and minus .005; Decimal plus and minus .003. Decimal dimensions on tools plus and minus .001. Angles  $\pm 30'$  unless otherwise specified.

DATE



# COMPLETE DROP TARGET ASS'Y

C-387-3



17A-123

(2) #6  
S.R.

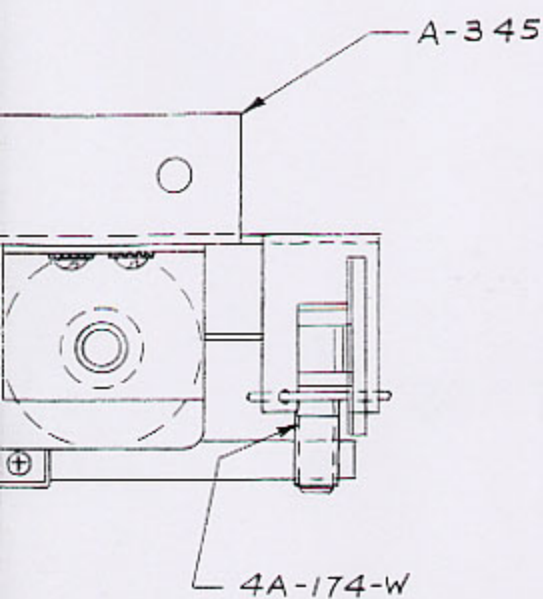
A-186

IA-568

A-379

SW-466





3/2 X 1/4 LG.  
HD. EXT. SEMS

