

WPC SCHEMATIC MANUAL

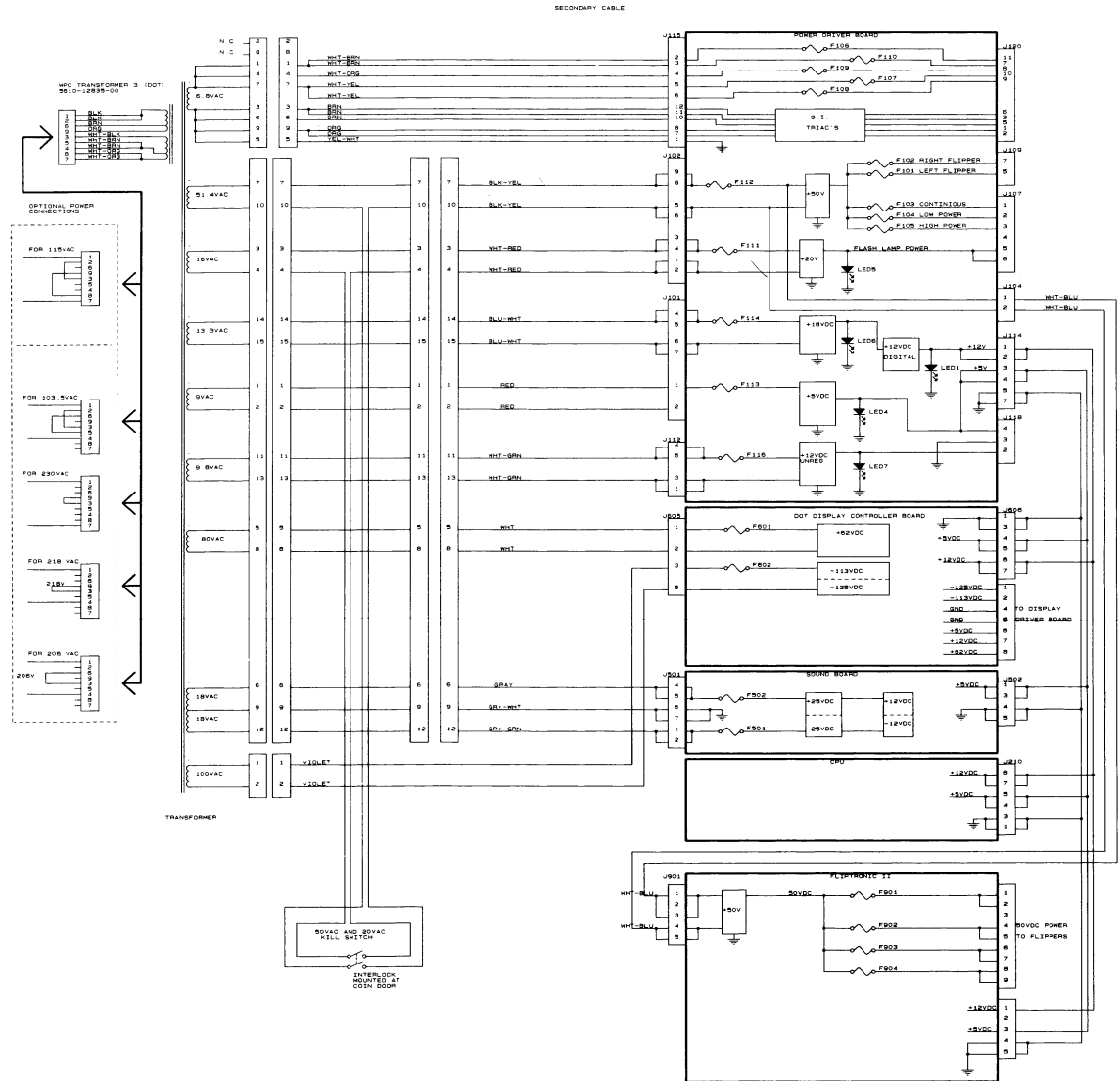
WILLIAMS ELECTRONICS GAMES, INC.
MIDWAY MANUFACTURING COMPANY
3401 N. California Ave.
Chicago, IL 60618

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(Used after 5/17/93)	

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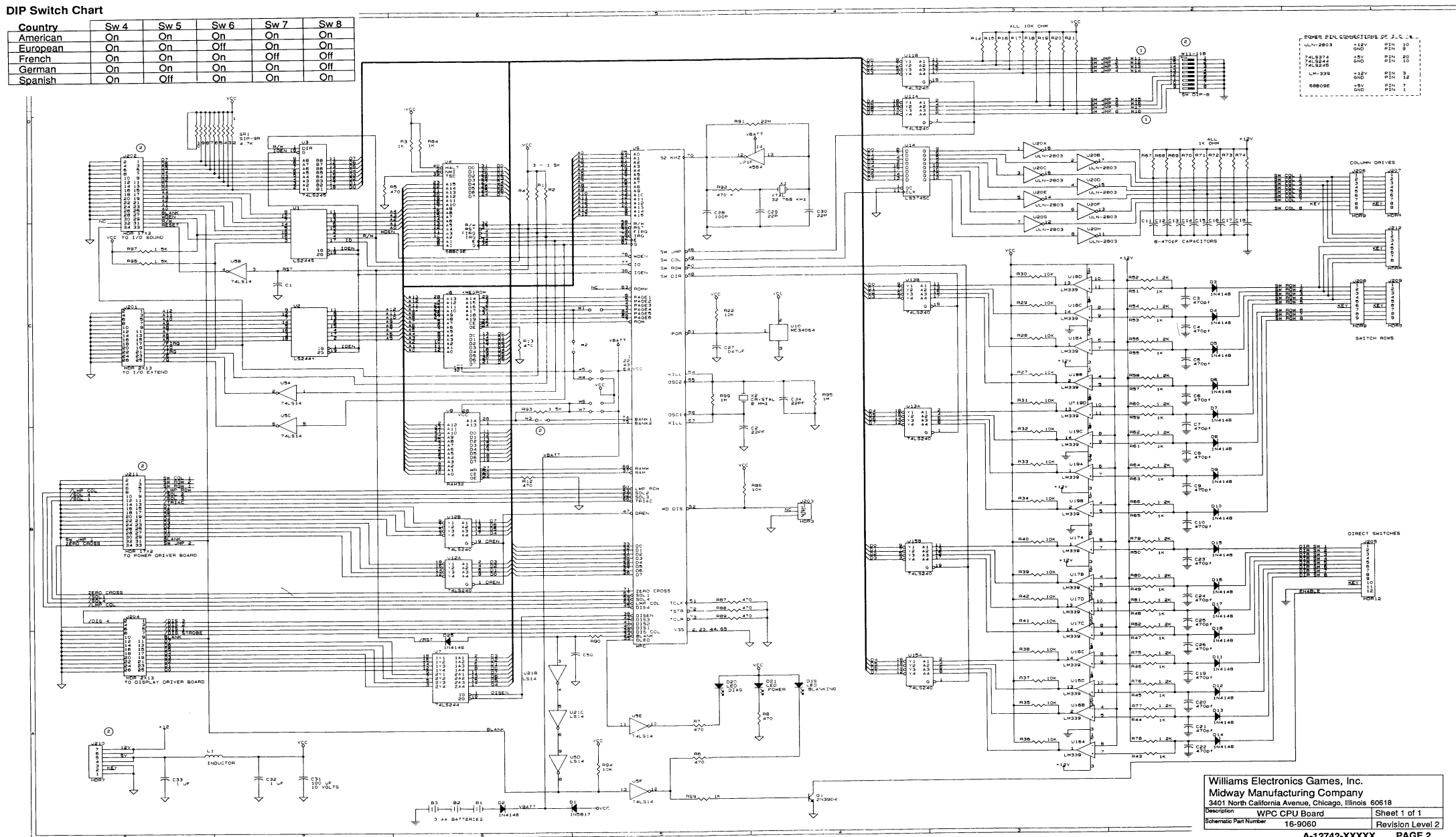
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Display	W1	W2
1M/2M/4M ROM	In	Out
512K/1M ROM	Out	In

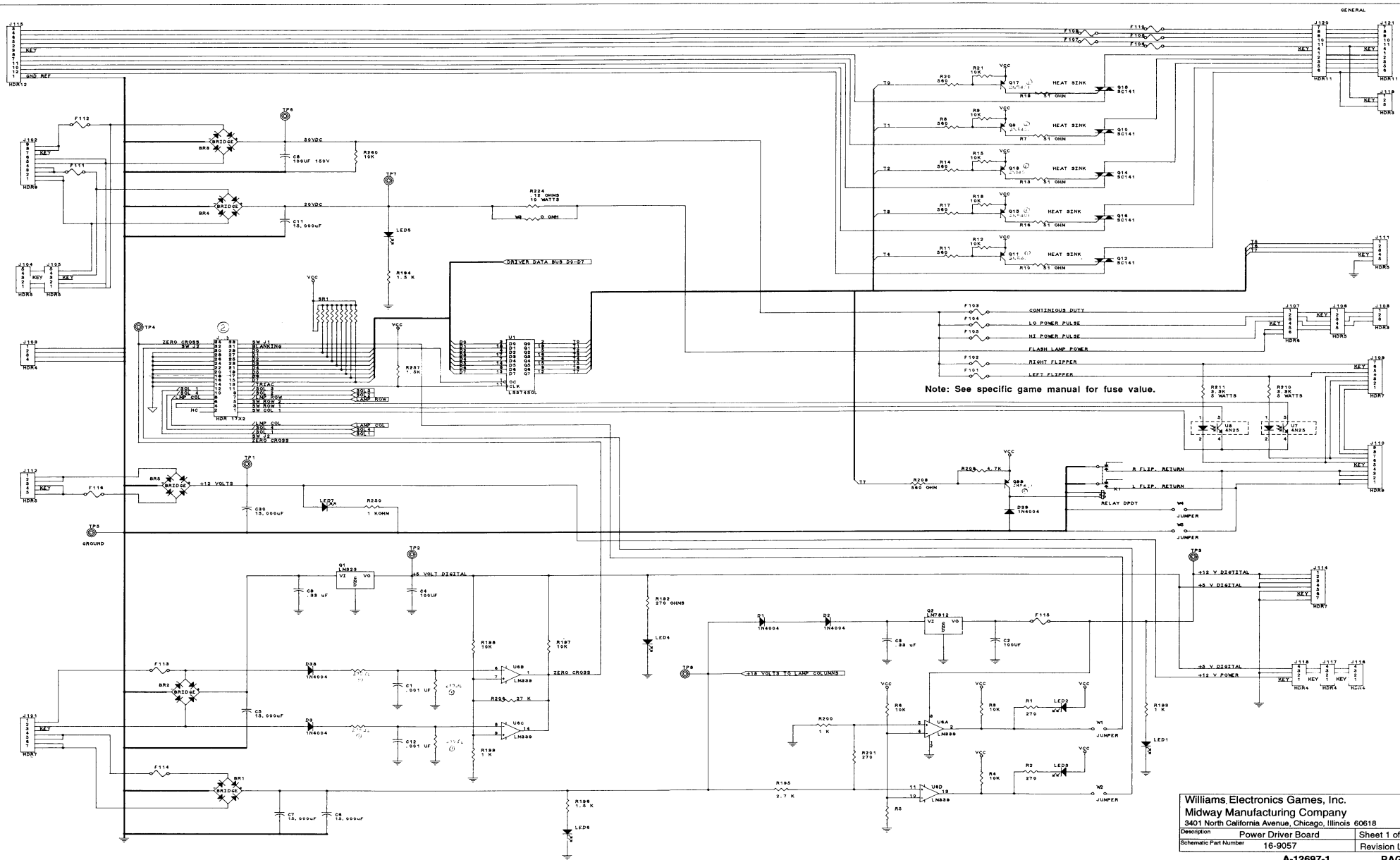
Display	W1	W2
1M/2M/4M ROM	In	Out
512K/1M ROM	Out	In

Country	Sw 4	Sw 5	Sw 6	Sw 7	Sw 8
American	On	On	On	On	On
European	On	On	Off	On	On
French	On	On	On	Off	Off
German	On	On	On	On	Off
Spanish	On	Off	On	On	On

Country	Sw 4	Sw 5	Sw 6	Sw 7	Sw 8
American	On	On	On	On	On
European	On	On	Off	On	On
French	On	On	On	Off	Off
German	On	On	On	On	Off
Spanish	On	Off	On	On	On



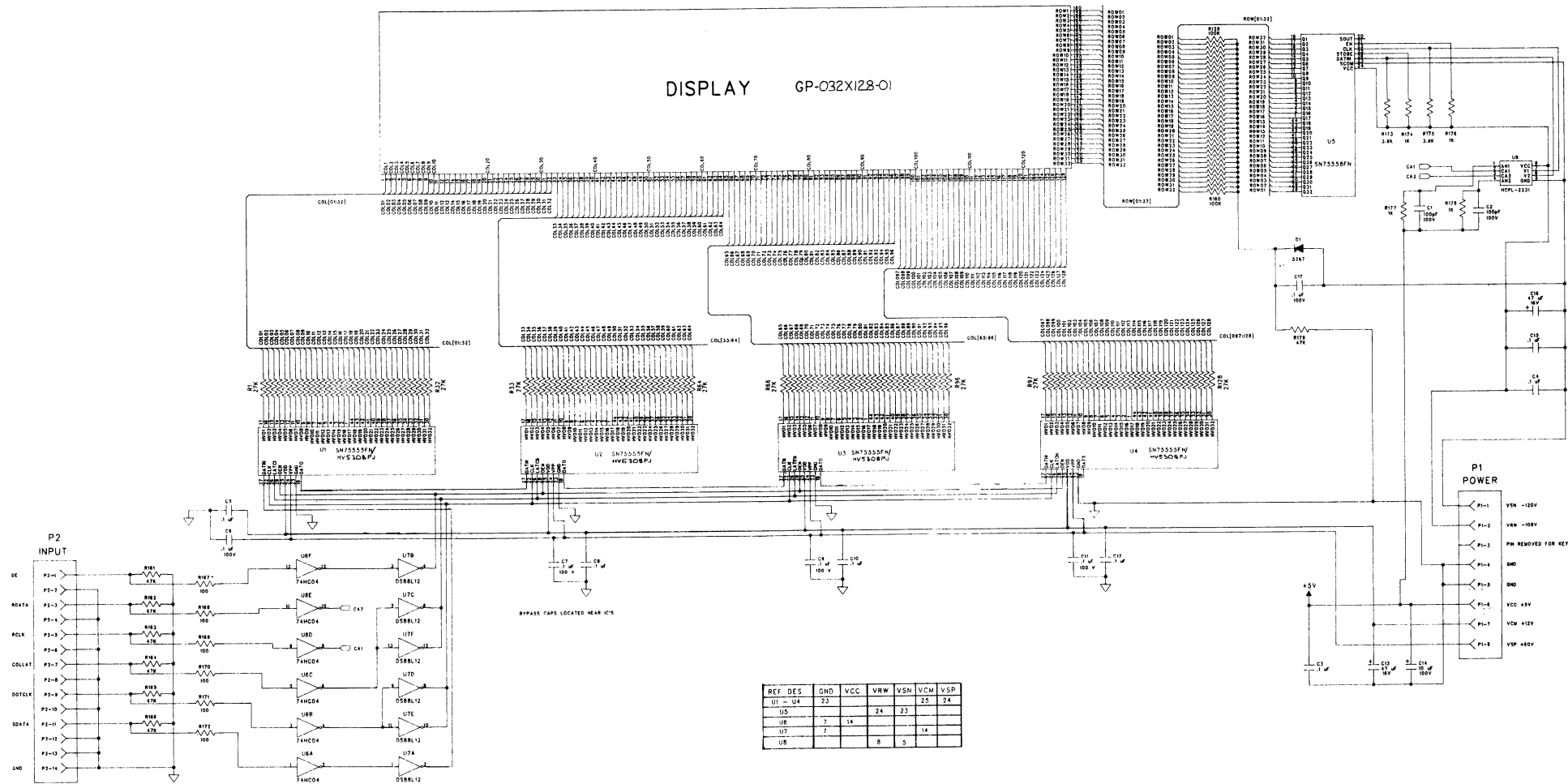
Williams Electronics Games, Inc. Midway Manufacturing Company 3401 North California Avenue, Chicago, Illinois 60618		
Description	WPC CPU Board	Sheet 1 of 1
Schematic Part Number	16-9060	Revision Level 2







DISPLAY GP-032X128-01



2. RESISTOR VALUES ARE IN OHMS, 1/8 WATT, 5%.

1. CAPACITOR VOLTAGES ARE 50V, 20%.

NOTES: UNLESS OTHERWISE SPECIFIED.

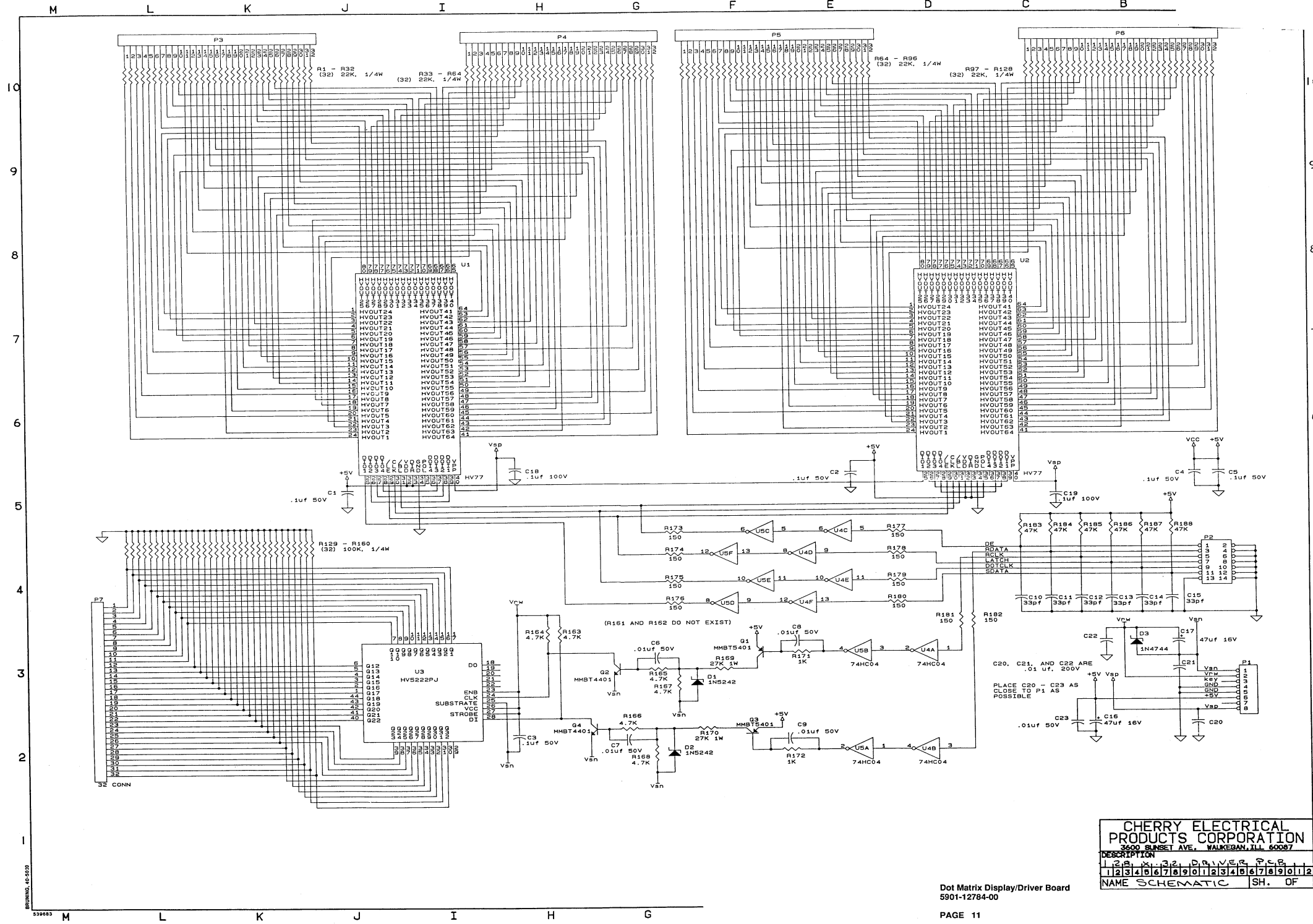
Dot Matrix Display/Driver Board
5901-12784-00

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BABCOCK

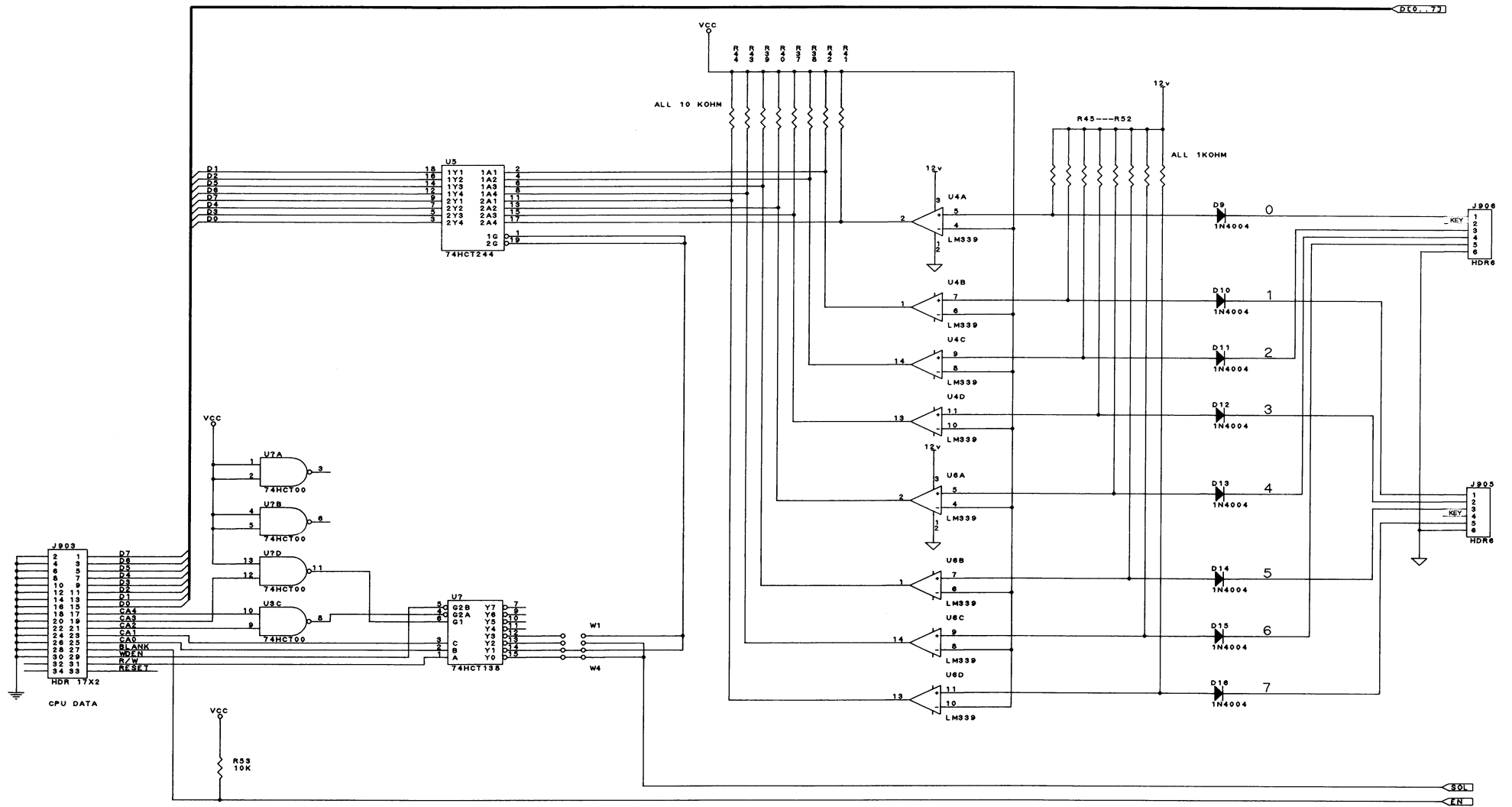
DISPLAY PRODUCTS, INC.
1051 S. EAST STREET ANAHEIM, CALIFORNIA 92805

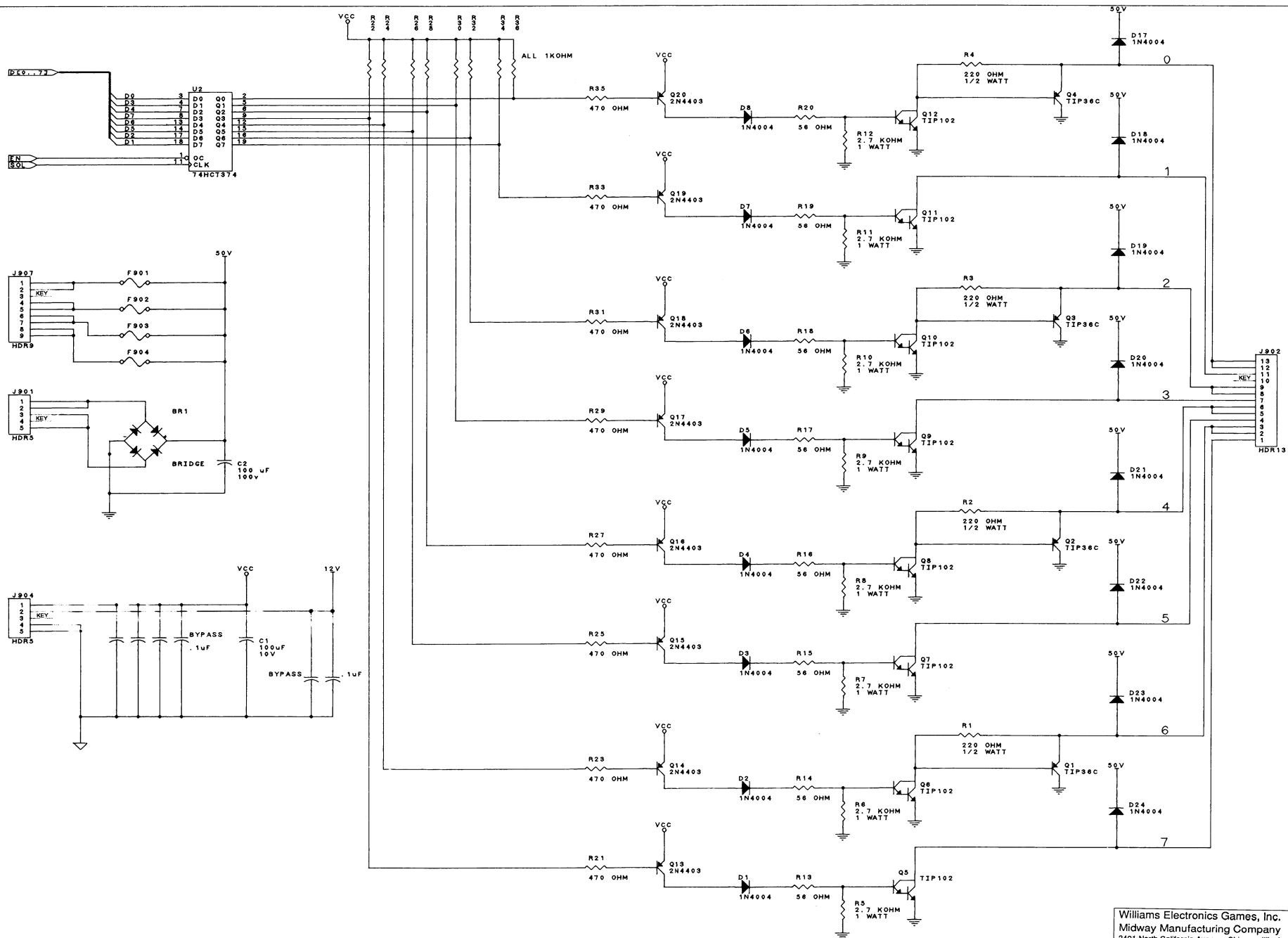
SCHEMATIC

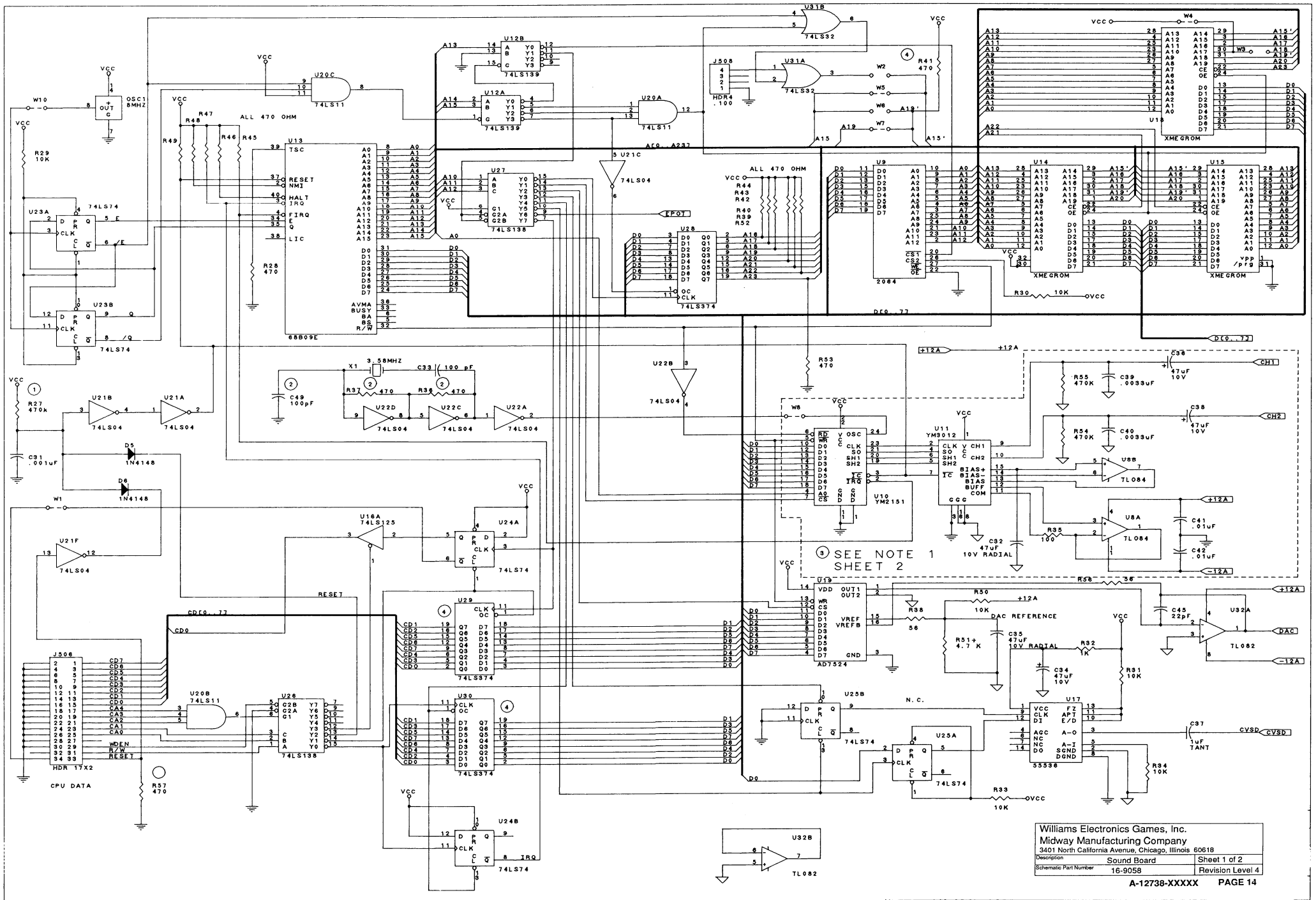


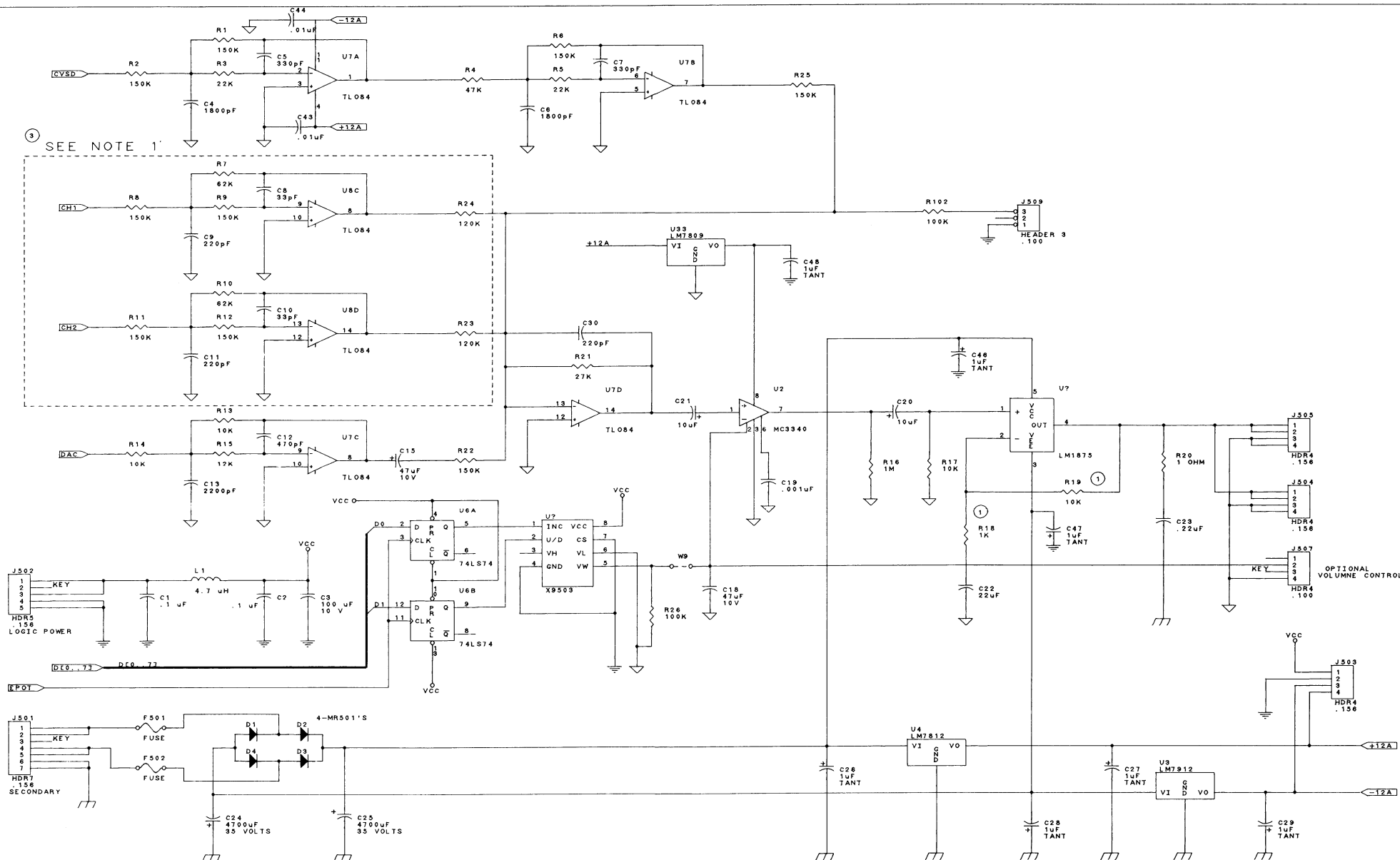
CHERRY ELECTRICAL
PRODUCTS CORPORATION
3500 SUNSET AVE. WALKER, ILL. 60087
DESCRIPTION
128 X 32 DRIVER PCB
1234567890123456789012
NAME SCHEMATIC SH. OF

Dot Matrix Display/Driver Board
5901-12784-00





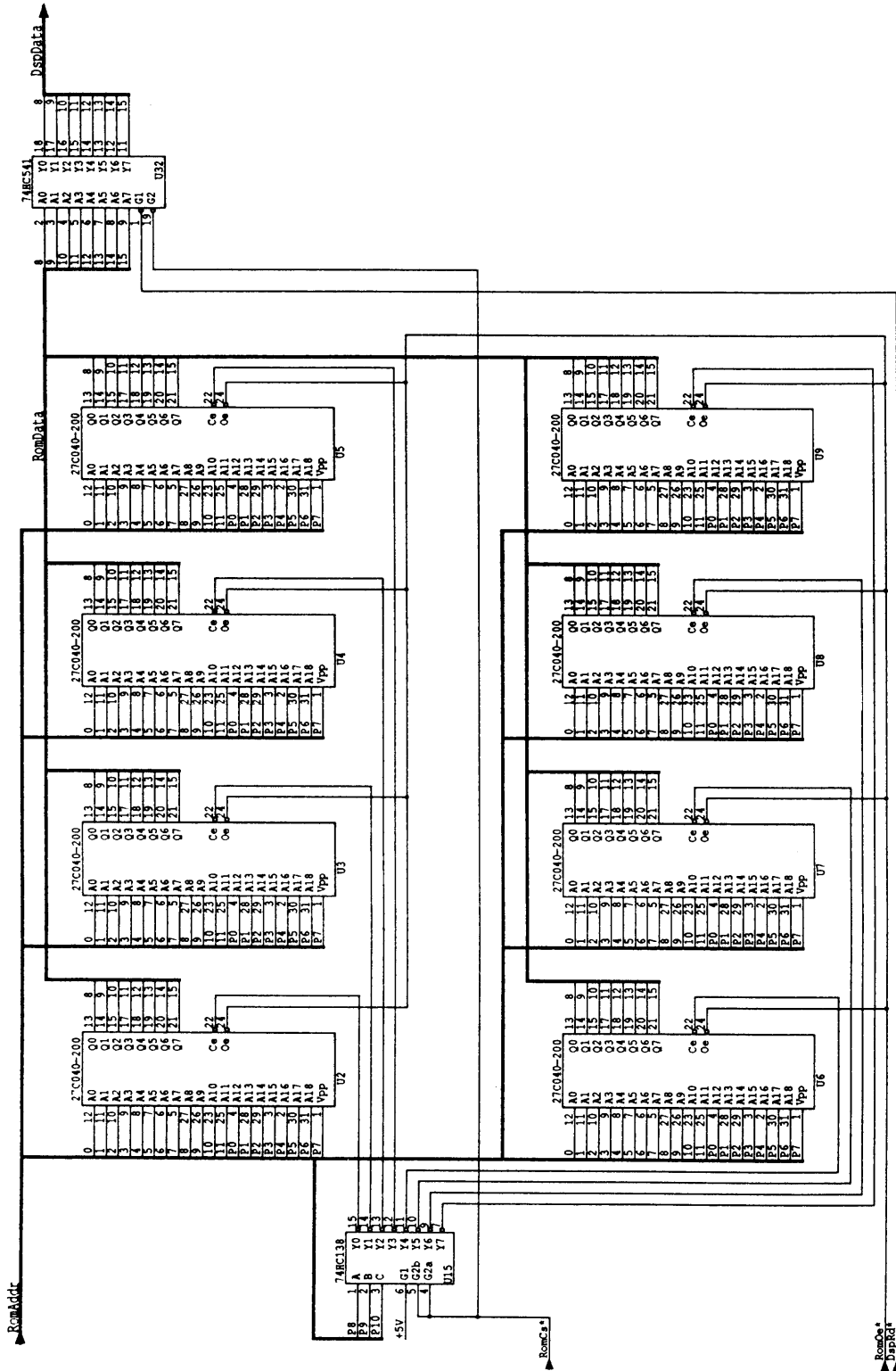




NOTES:

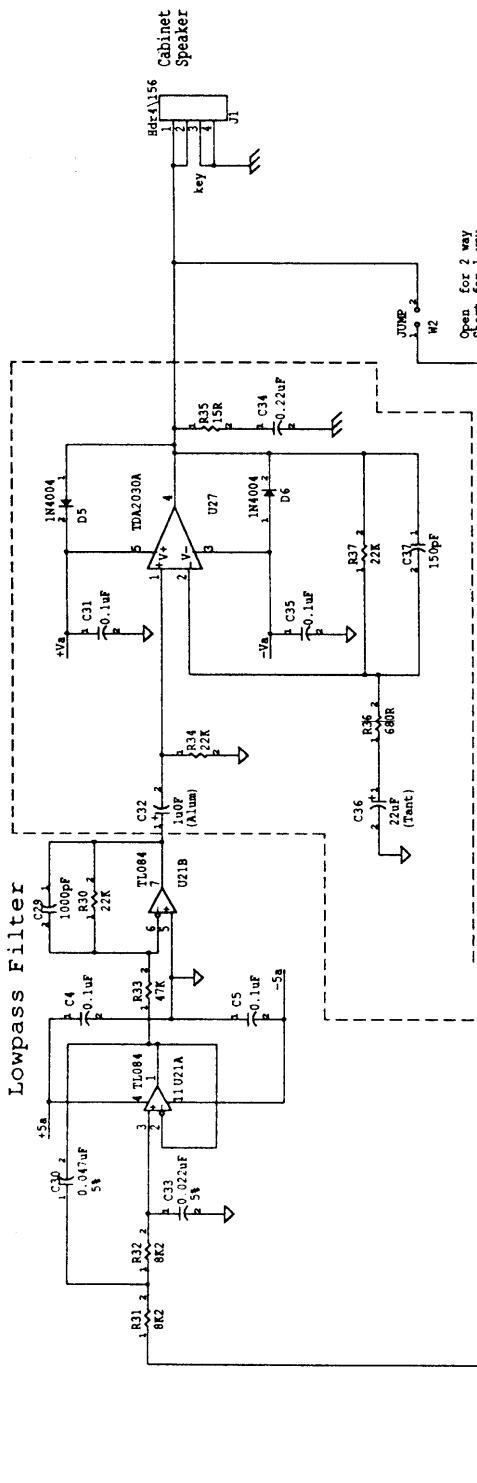
1 COMPONENTS BOUNDED BY DASHED LINES ARE NOT USED IN SHUFFLE ALLEY GAMES.

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Description	Sound Board	Sheet 2 of 2
Schematic Part Number	16-9058	Revision Level 4

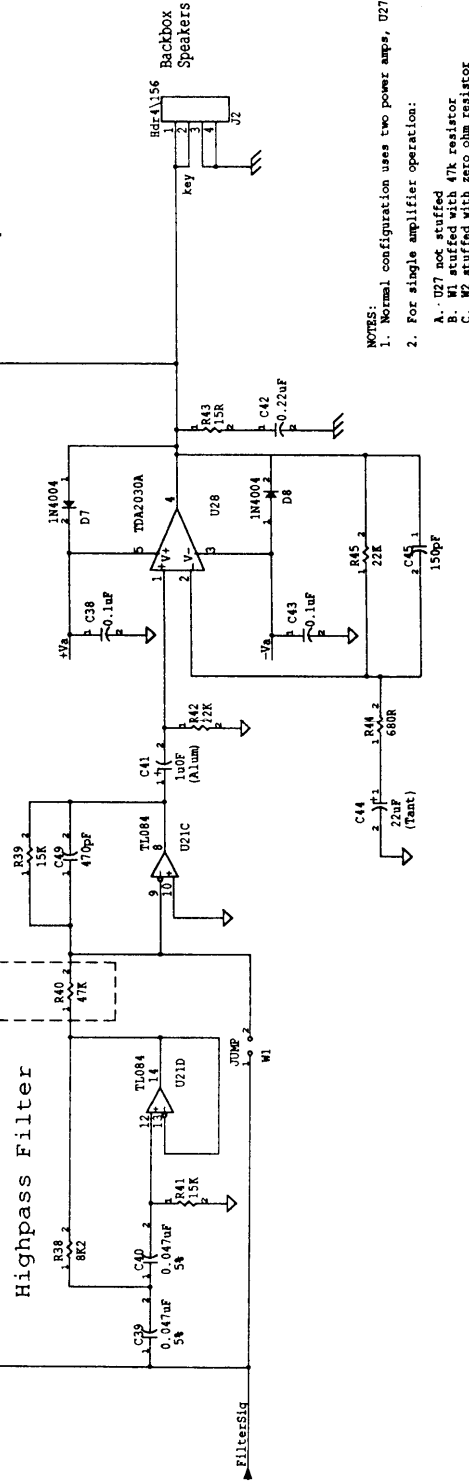


Williams Electronics Games, Inc.	
Midway Manufacturing Company	
3401 North California Avenue, Chicago, Illinois 60618	
Description	Sound Board
Schematic Part Number	16-9472
Revision	Level 0

Lowpass Filter



Highpass Filter



- NOTES:
1. Normal configuration uses two power amps, U27 and U28.
 2. For single amplifier operation:
 - A. U27 not stuffed
 - B. U28 stuffed with 47K resistor
 - C. W2 stuffed with zero ohm resistor
 - D. components in dashed lines not stuffed
 3. Speaker wiring changes for single amplifier operation.

Williams Electronics Games, Inc.	
Midway Manufacturing Company	
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Description	Sound Board
Schematic Part Number	16-9472
Sheet 5 of 5	
Revision Level 0	