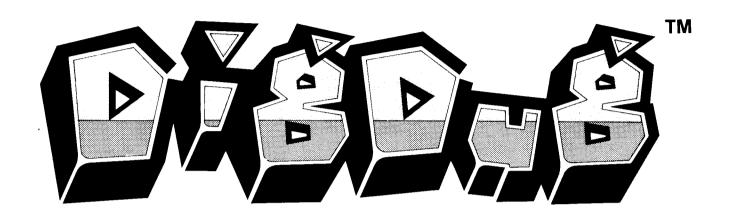
# Schematic Package Supplement to



## **Operation, Maintenance and Service Manual**

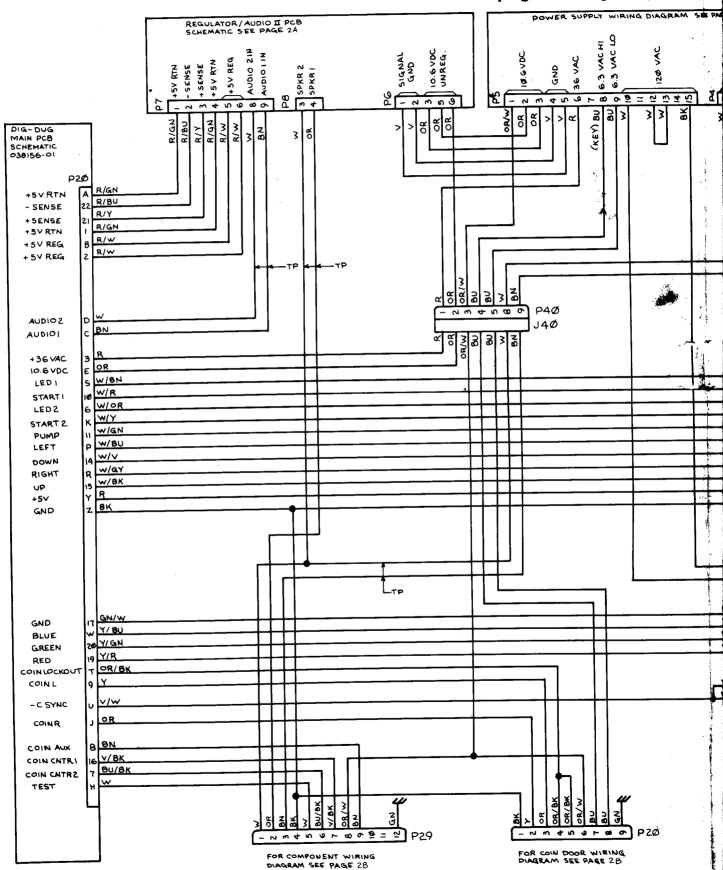


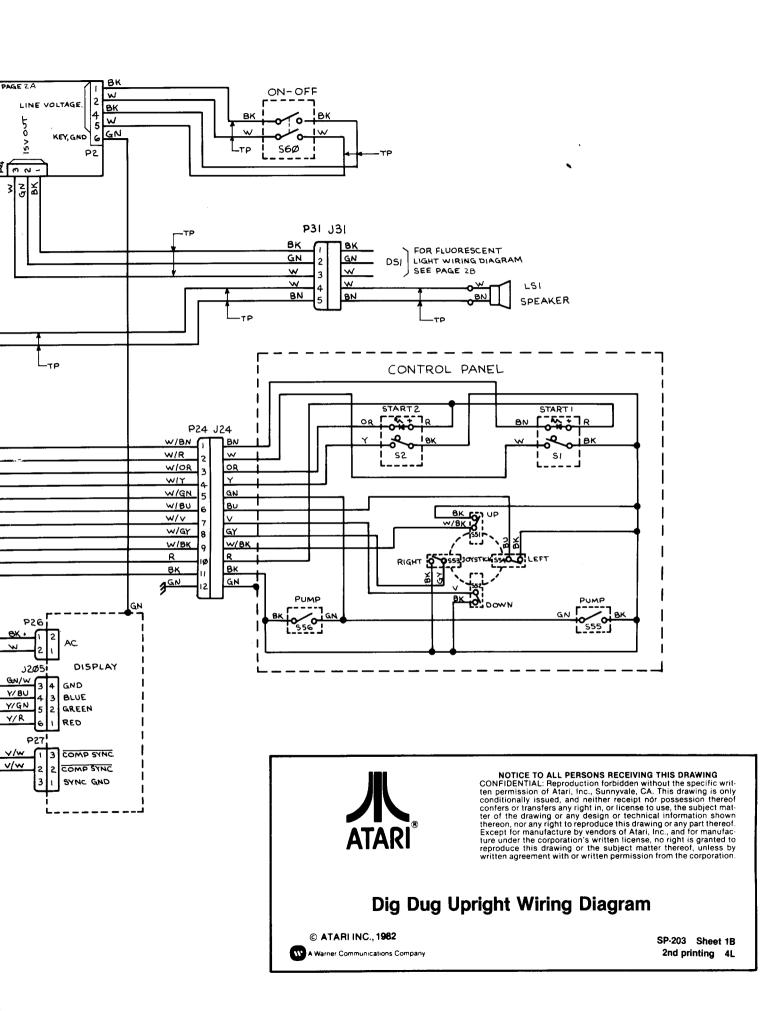
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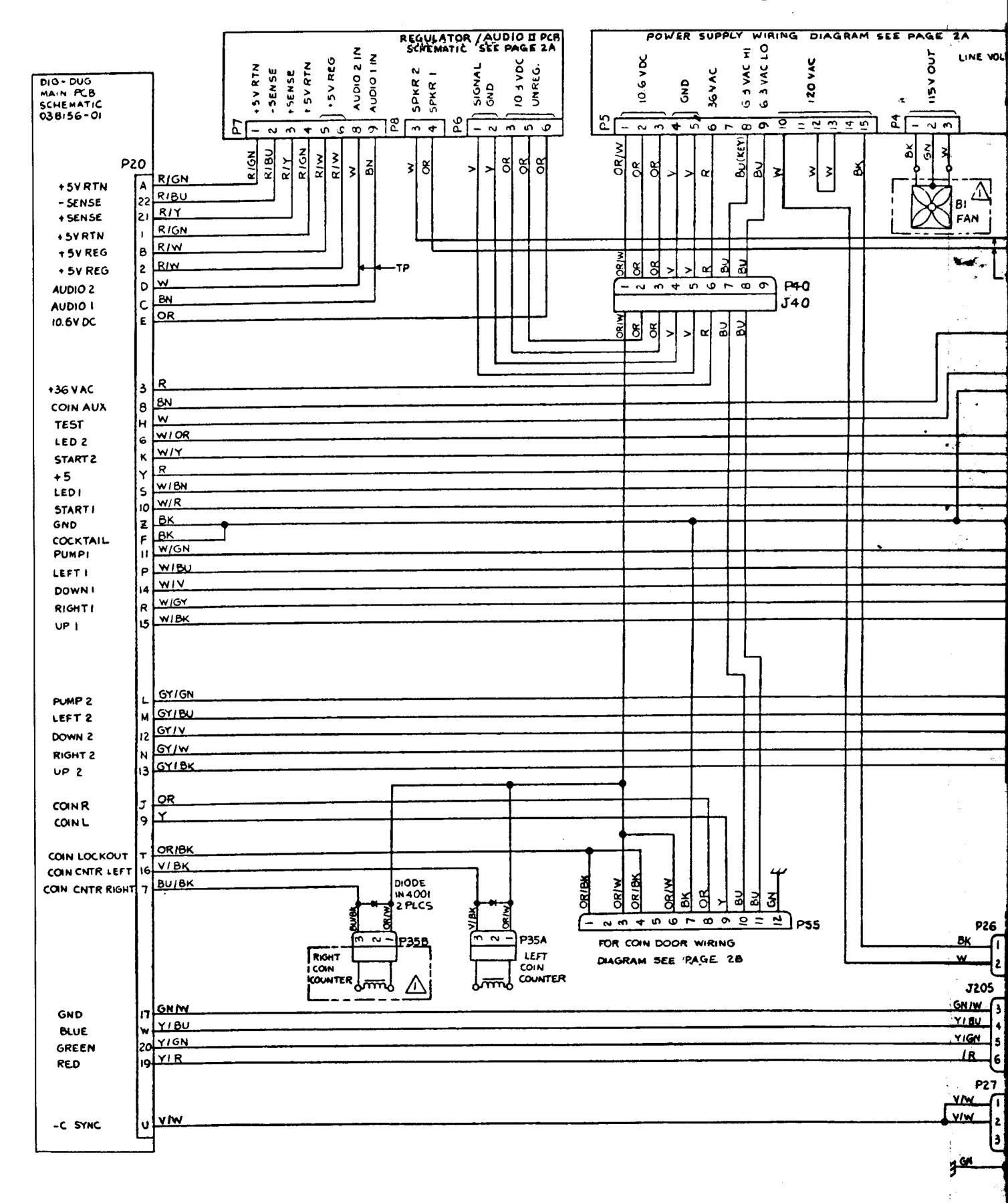
Sneet IA	You Ale Hele								
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Sheet 2A	Dig Dug Cocktail Wiring Diagram (038377-01 A)								
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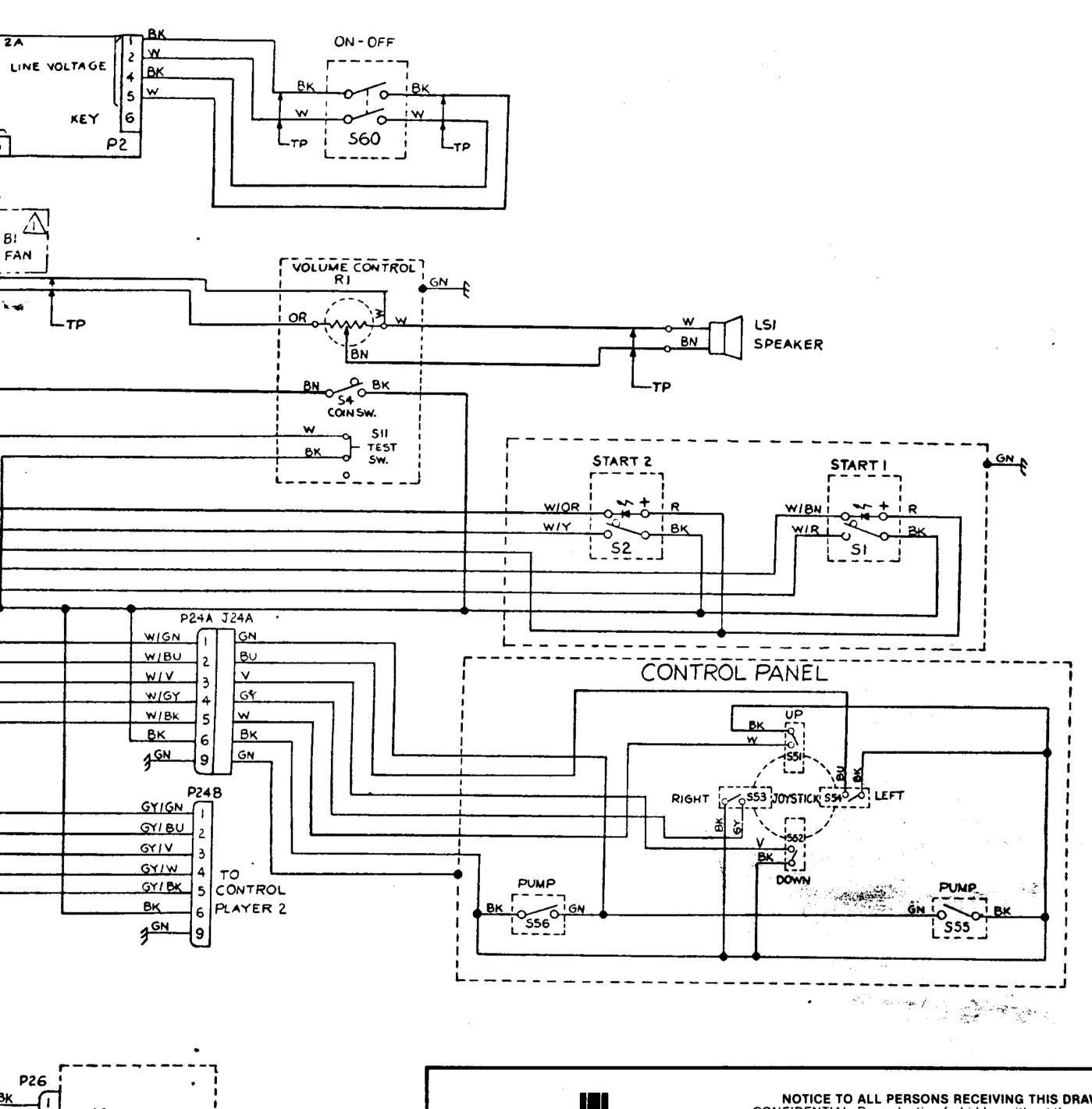
#### **Upright Wiring Diagram**

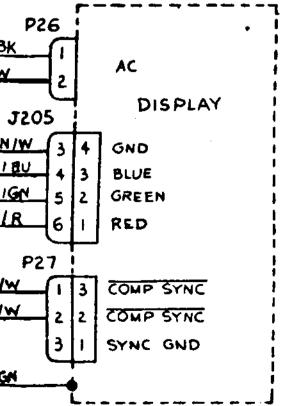




## **Cocktail Wiring Diagram**









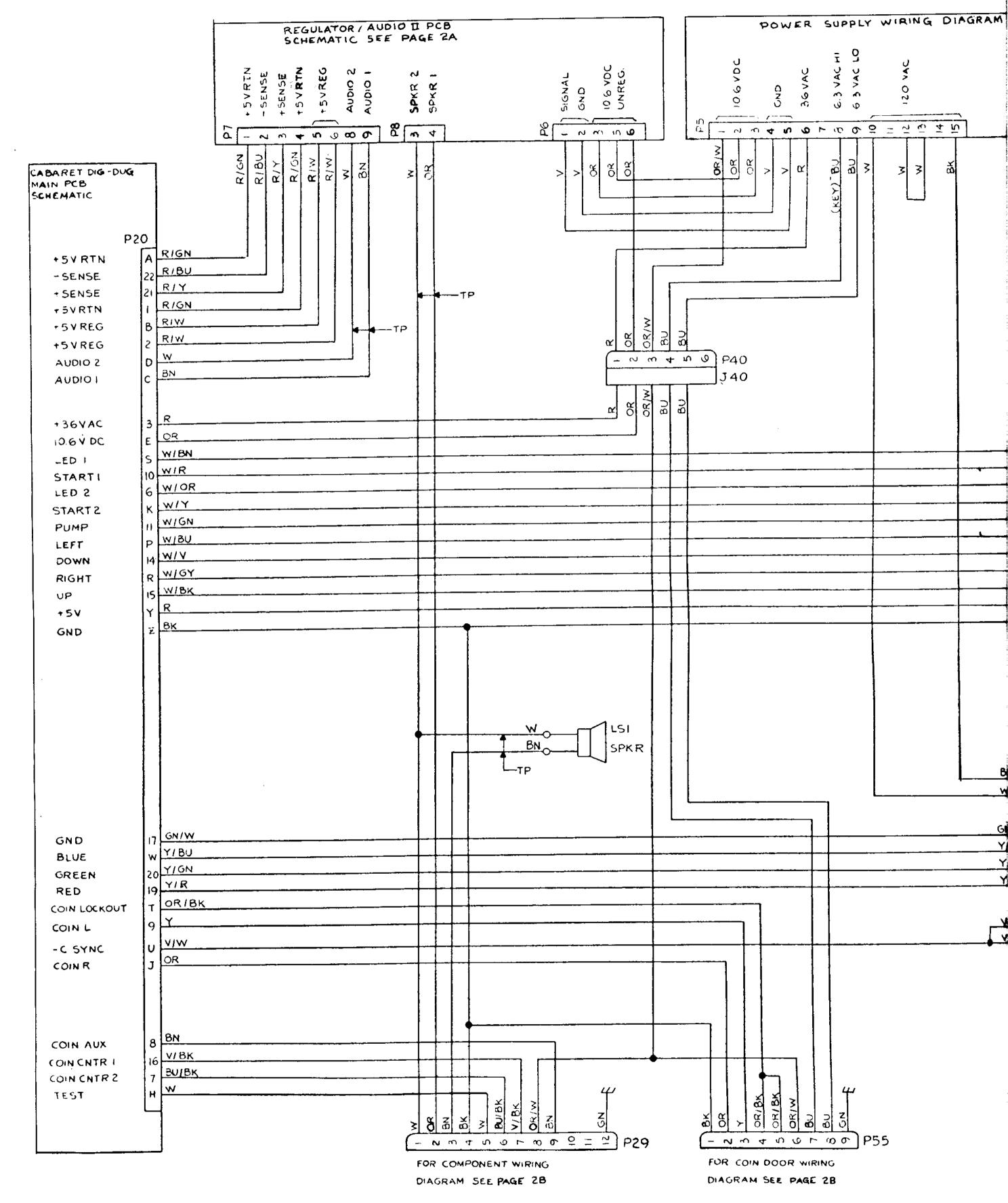
## Dig Dug Cocktail Wiring Diagram

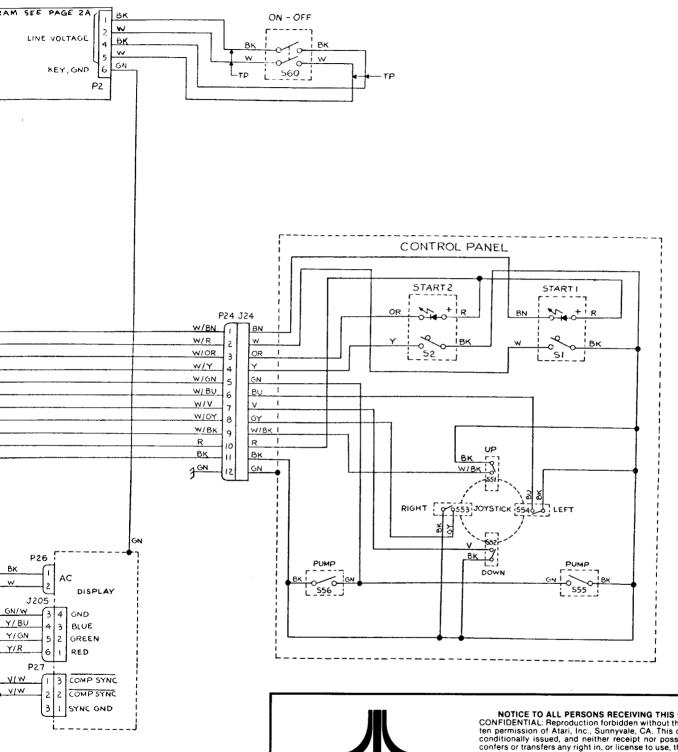
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## **Cabaret Wiring Diagram**







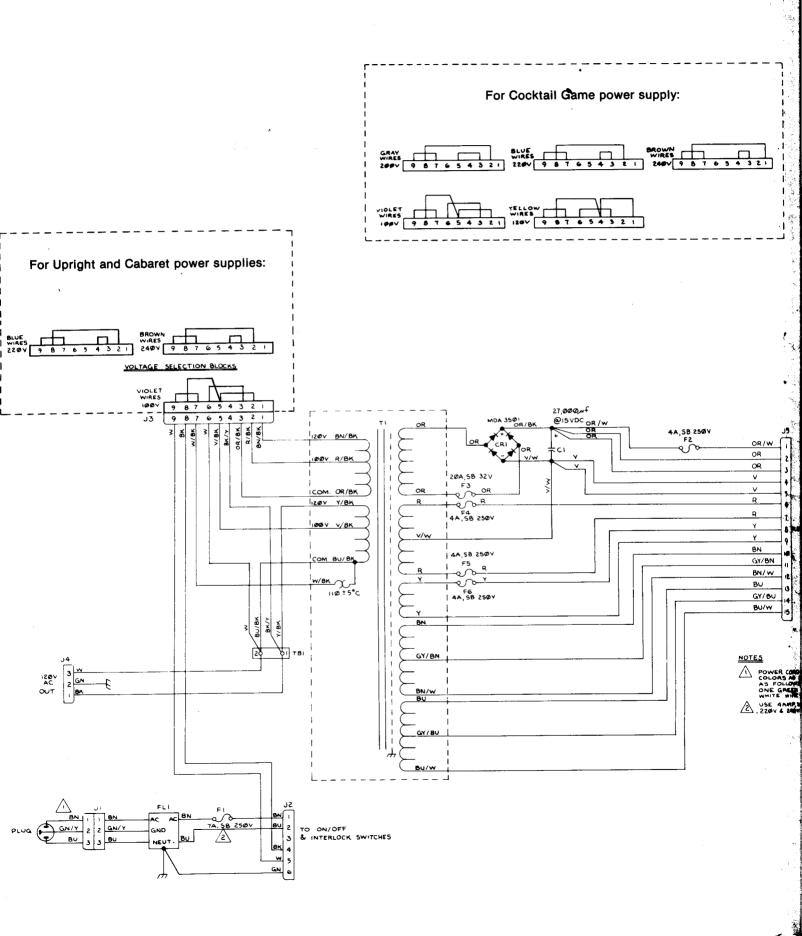
#### **Dig Dug Cabaret Wiring Diagram**

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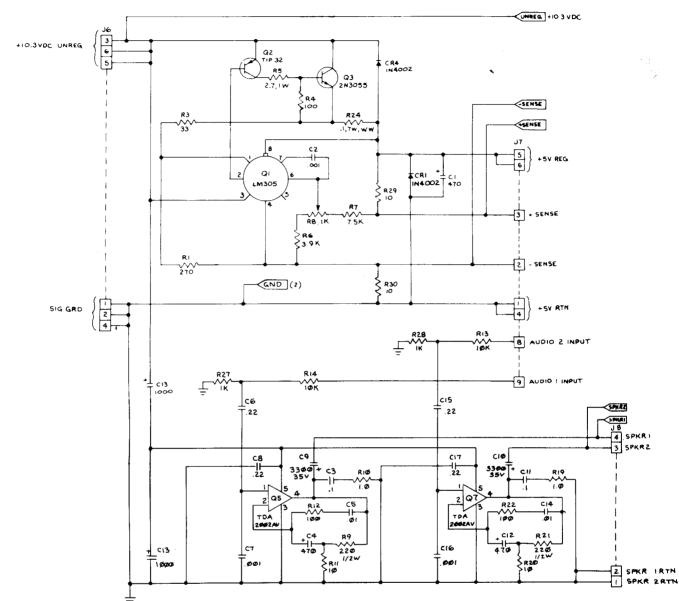
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### Color Raster Power Supply Wiring Diagram



## Regulator/Audio II PCB Schematic Diagram



10.6 VDC 10.6 VOC GND GND 36 VAC CT KEY 6.1 VAC 60 VAC CT 60 VAC CT

10.6 VDC

RD ASSY MAY HAVE WIRE 5 SHOWN OR WIRE COLORS W3: ONE BLACK WIRE (AC), IN WIRE (GND) AND ONE RE (NEUTRAL) P. SB. 250 V FUSE AT FI WITH OY (EUROPEAN ONLY)

**ATARI** 

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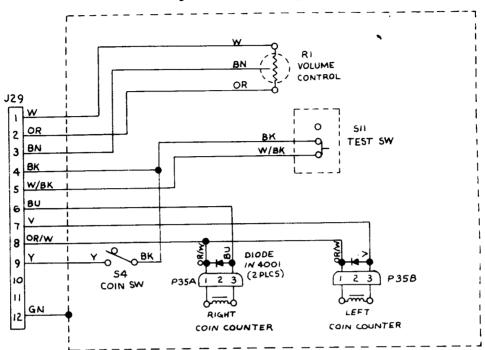
#### Dig Dug Power Supply and Reg./Audio II PCB

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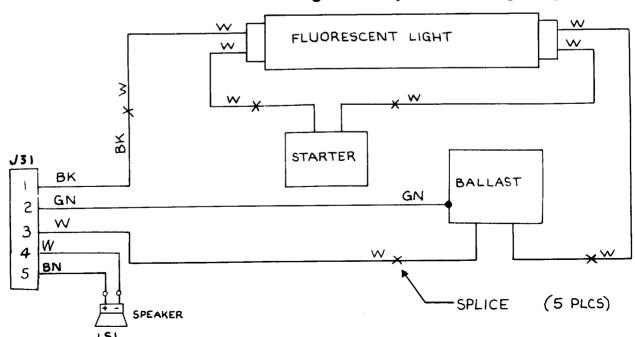
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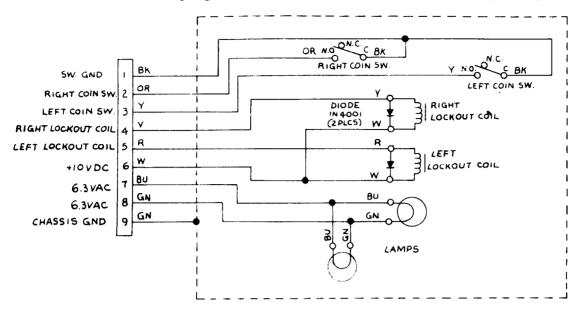
#### **Utility Panel Wiring Diagram**



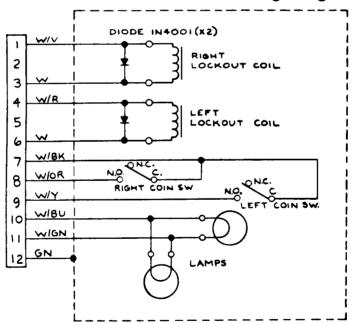
### Fluorescent Light and Speaker Wiring Diagram



#### **Upright and Cabaret Coin Door Wiring Diagram**



#### **Cocktail Coin Door Wiring Diagram**





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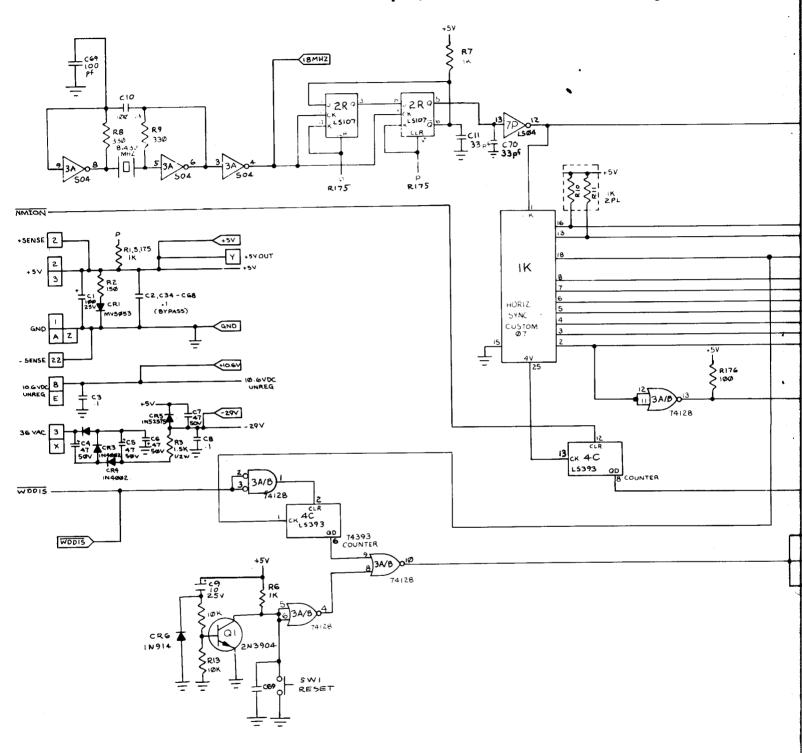
#### **Dig Dug Game Wiring Interfaces**

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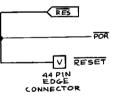
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#### Power Input, Clock, NMI, and Watchdog



#### MEMORY MAP

HEXA-	R/W	DATA								FUNCTION
DECIMAL ADDRESS		D7	D6	D5	D4	D3	D2	D1	D0	·
0000-3FFF	R	D	D	D	D	D	D	D	D	1st Priority Z80 CPU ROM (16K)
0000-1FFF	R	D	D	D	D	D	D	D	D	2nd Priority Z80 CPU ROM (8K)
0000-0FFF	R	D	D	D	D	D	D	D	D	3rd Priority Z80 CPU ROM (4K)
6800-680F 6810-681F	<b>8</b>					D D	D D	D D	D D	Audio Control Audio Control
6820 6821 6822 6823 6825 6826 6827	\$ \$ \$ \$ \$ \$								0 0 0 0 0	0 = Reset IRQ1 (Latched) 0 = Reset IRQ2 (Latched) 0 = Enable NMI3 (Latched) 0 = Reset 2nd and 3rd Z80 CPUs (Latched) Custom Chip 53 Mode Control (Latched) Custom Chip 53 Mode Control (Latched) Custom Chip 53 Mode Control (Latched)
6830	W									Watchdog Reset
7000 7100	R/W R/W	D D	D D	D D	D D	D D	D D	D D	D D	Custom Chip 06—Data Custom Chip 06—Command
8000-87FF	R/W	D	D	D	D	D	D	D		2K Playfield RAM
8B80-8BFF 9380-93FF 9B80-9BFF	R/W R/W R/W	D D D	D D D	D D	D D D	D D D	D D D	D D D	D D D	1K Motion RAM (PIC, COLOR) 1K Motion RAM (VPOS, HPOS) 1K Motion RAM (FLIP)
A000 A001 A002 A003 A004 A005 A007	W W W W W								0 0 0 0 0	Playfield Select (Latched) Playfield Select (Latched) Alphanumeric Color Select (Latched) Playfield Enable (Latched) Playfield Color Select (Latched) Playfield Color Select (Latched) Flip Video
B800-B83F B800 B840	W R W	D D	D D	D D	D D	D D D	D D	D D D	D D	Write EAROM Address and Data Read EAROM Data Write EAROM Control



HRESET

\_ 32 H\*

- 4H米 - 2H米



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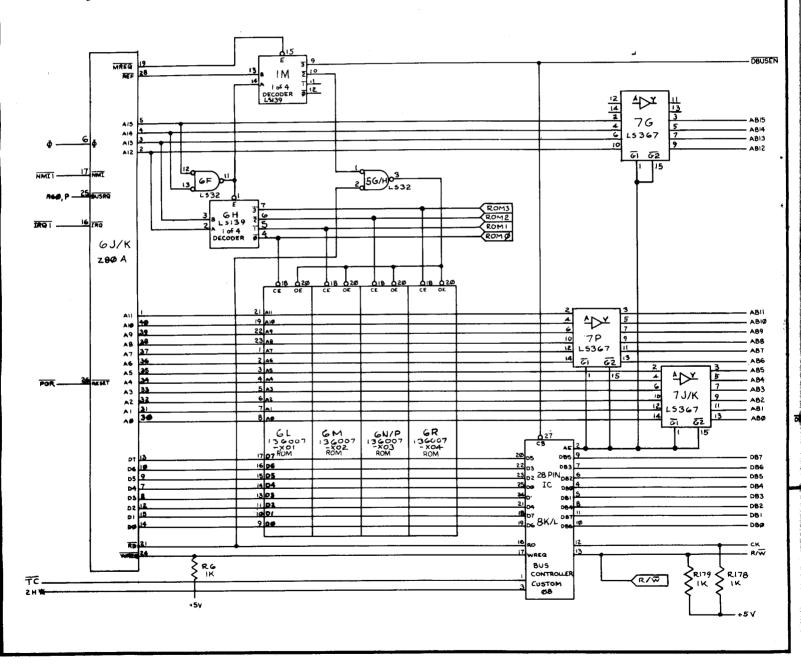
#### Dig Dug Game PCB Schematic Diagram

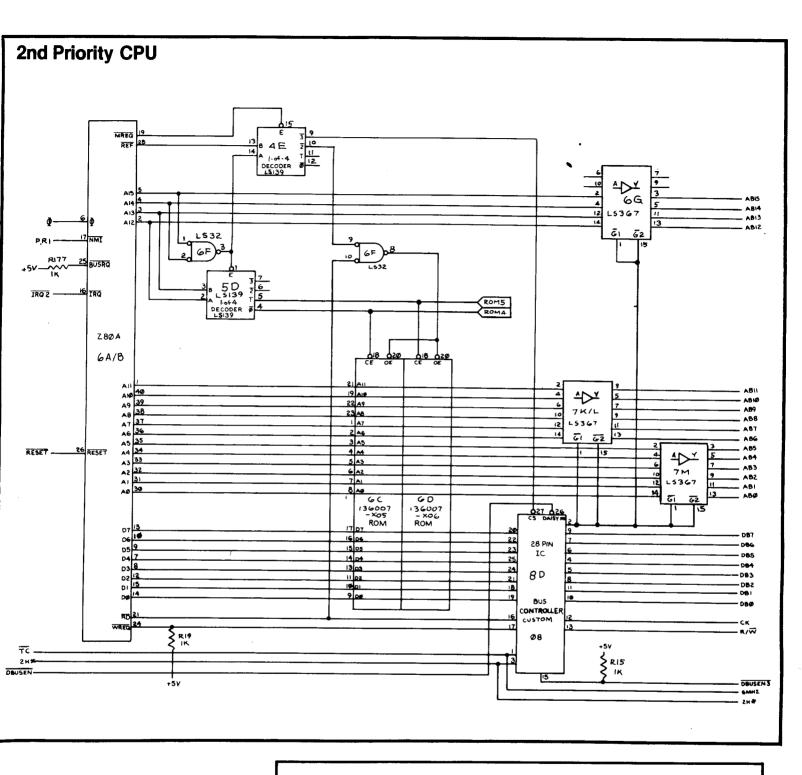
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#### 1st Priority CPU





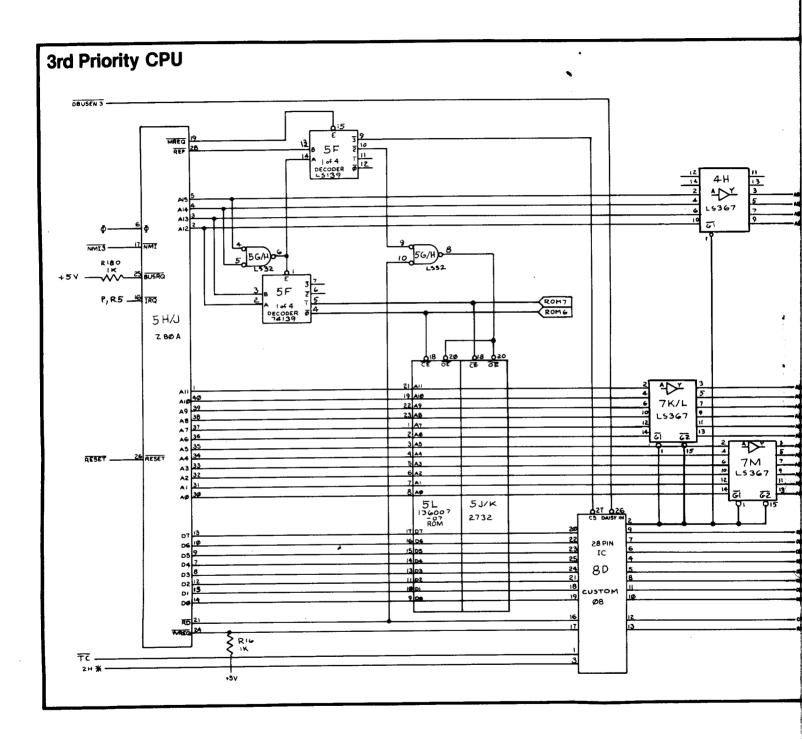


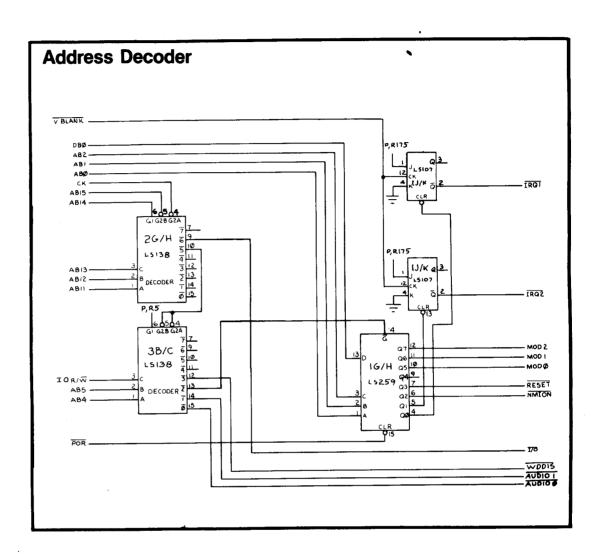
#### Dig Dug Game PCB Schematic Diagram

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#### Dig Dug Game PCB Schematic Diagram

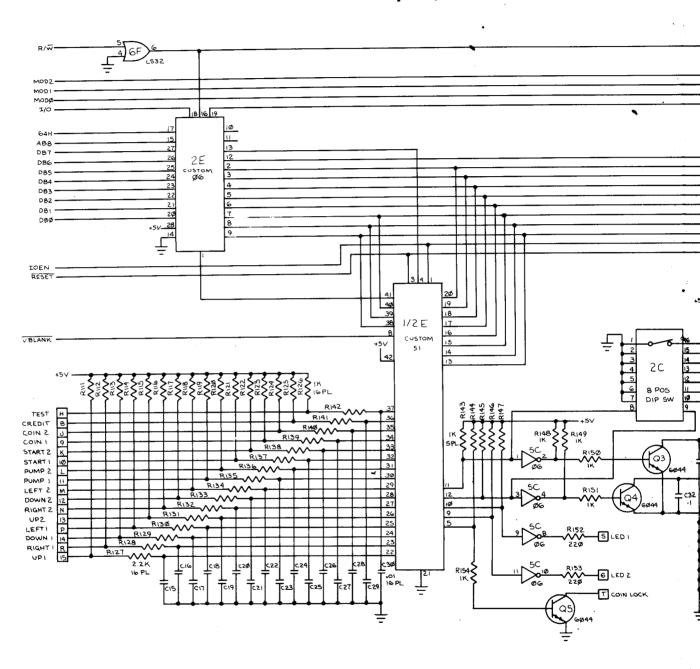
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— ABIØ
— AB9
— AB6
— AB7
— AB6
— AB6
— AB3
— AB2
— AB1

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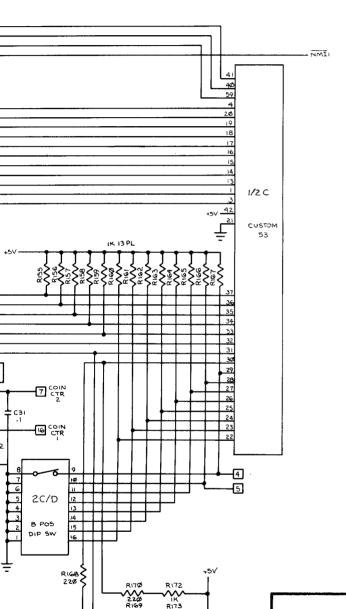
#### Switch Inputs, Coin Door and Control Panel



爲

COCKTAIL

#### el Outputs





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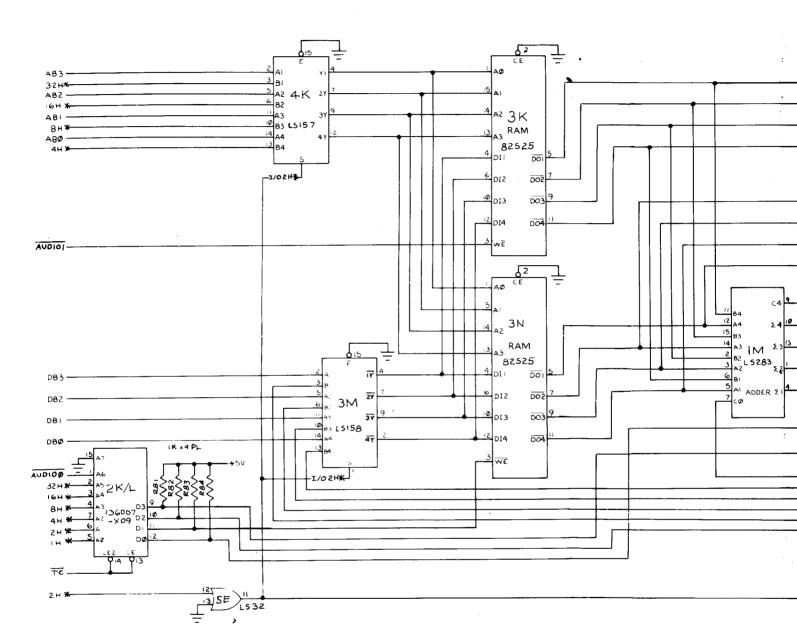
#### Dig Dug Game PCB Schematic Diagram

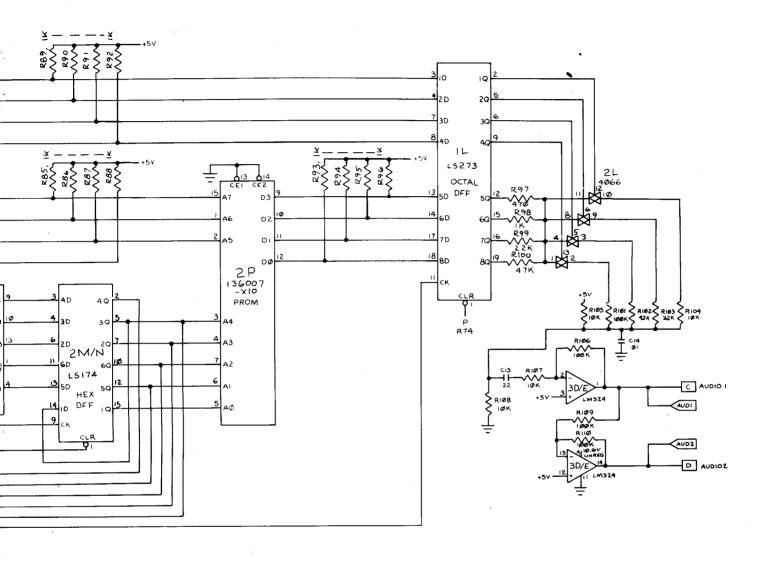
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#### Audio





-I/O 2H\*



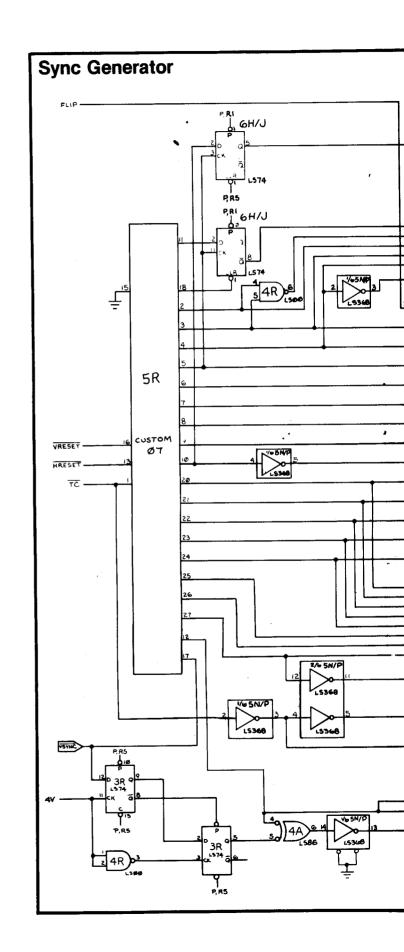
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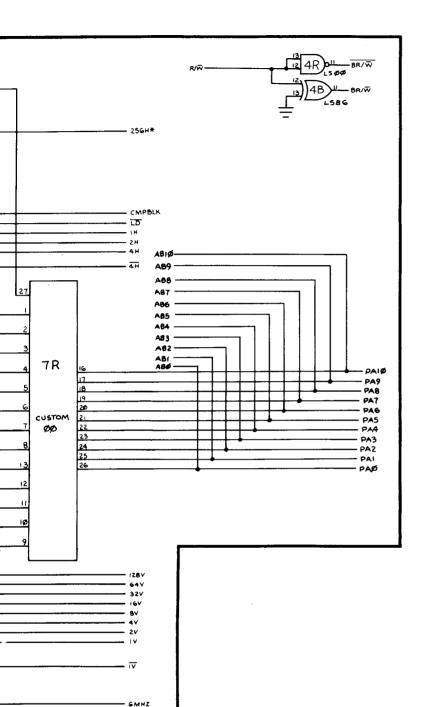
#### Dig Dug Game PCB Schematic Diagram

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GMHZ

HEYNC.



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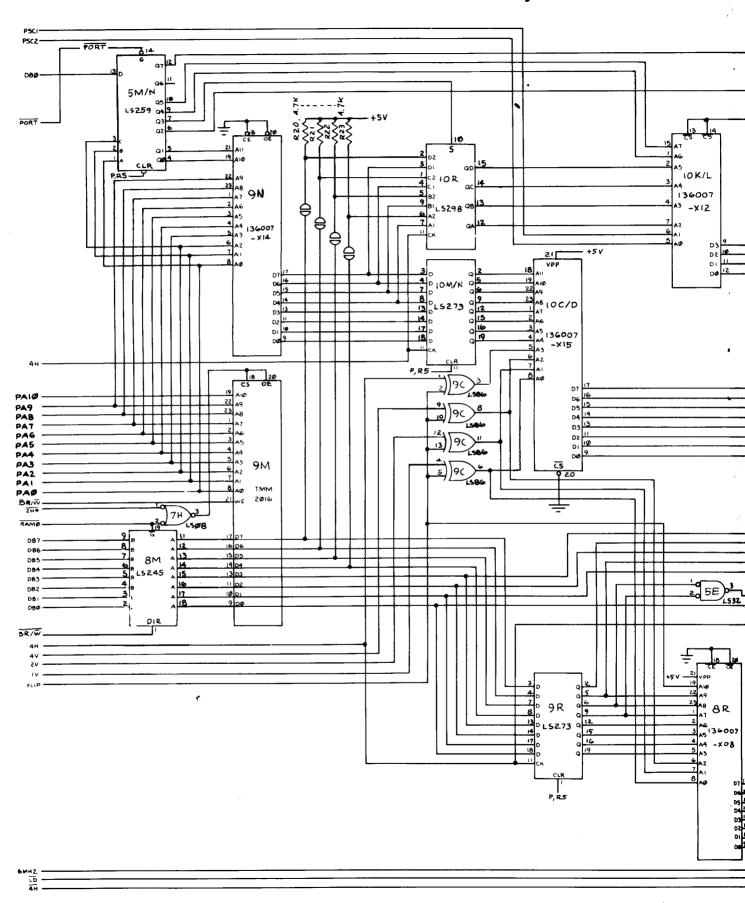
#### Dig Dug Game PCB Schematic Diagram

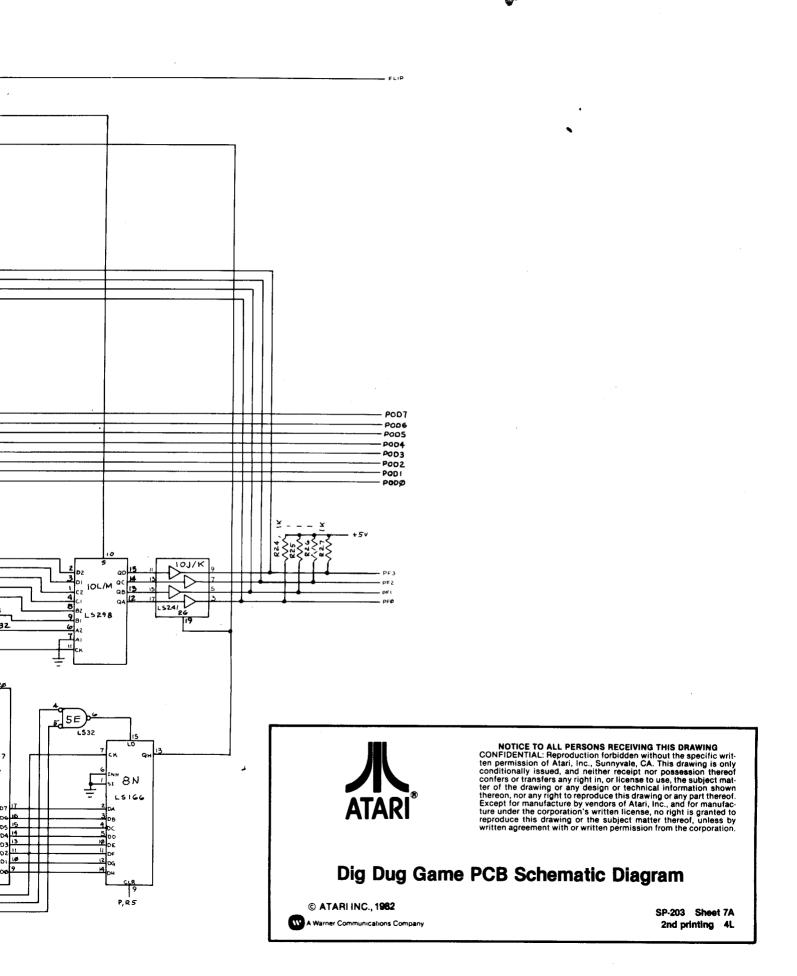
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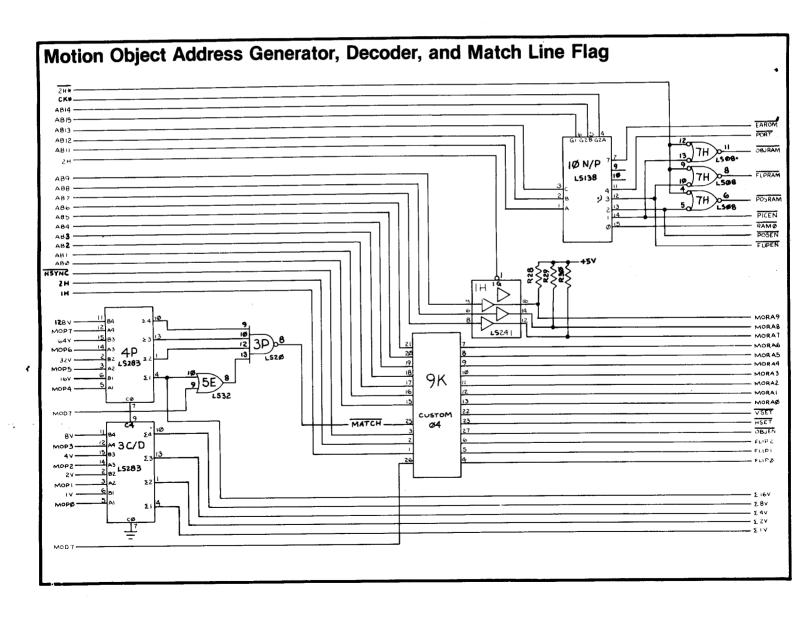
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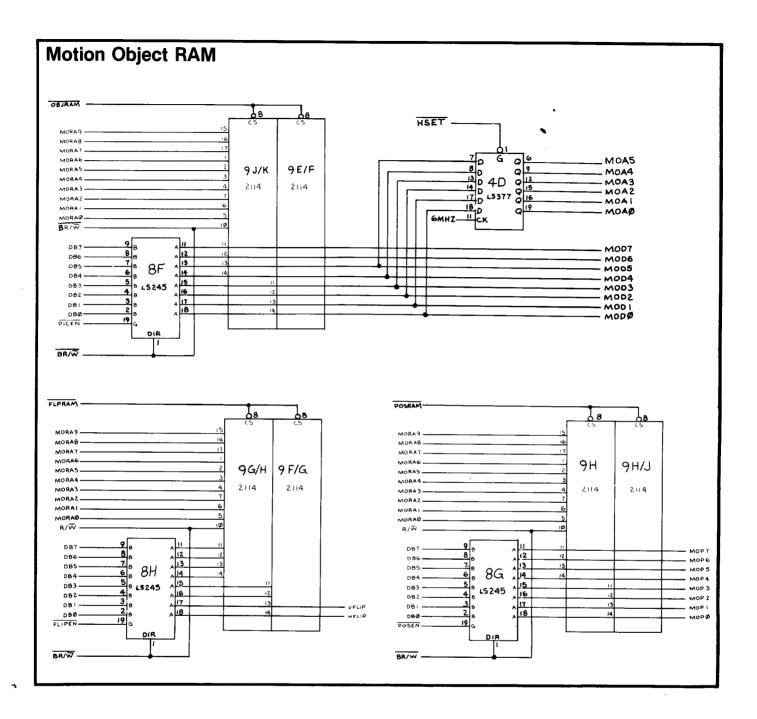
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#### **Playfield Generator**









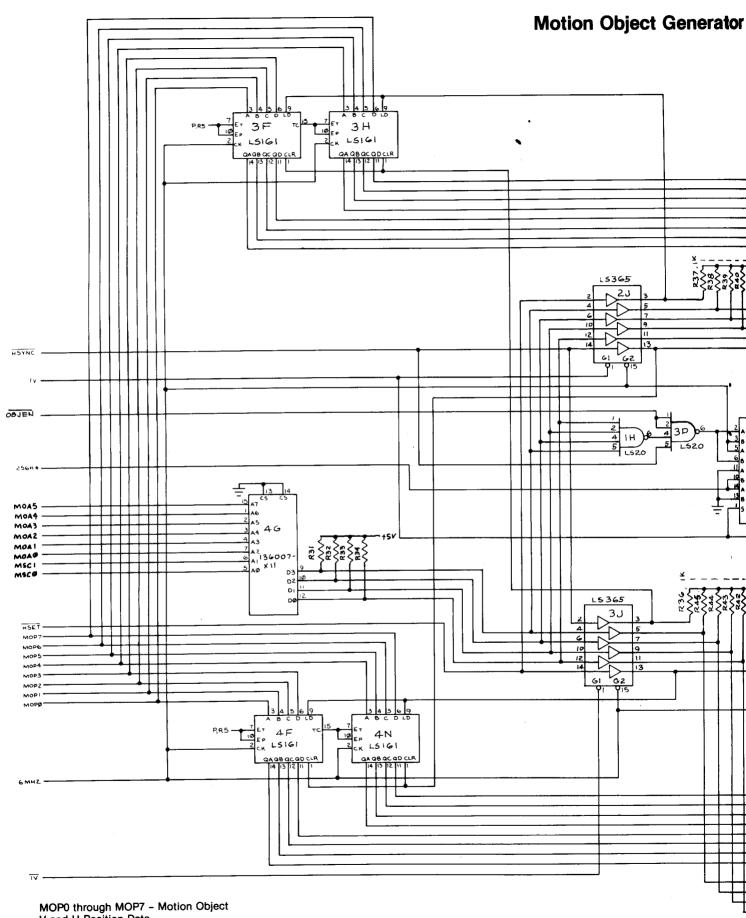


#### Dig Dug Game PCB Schematic Diagram

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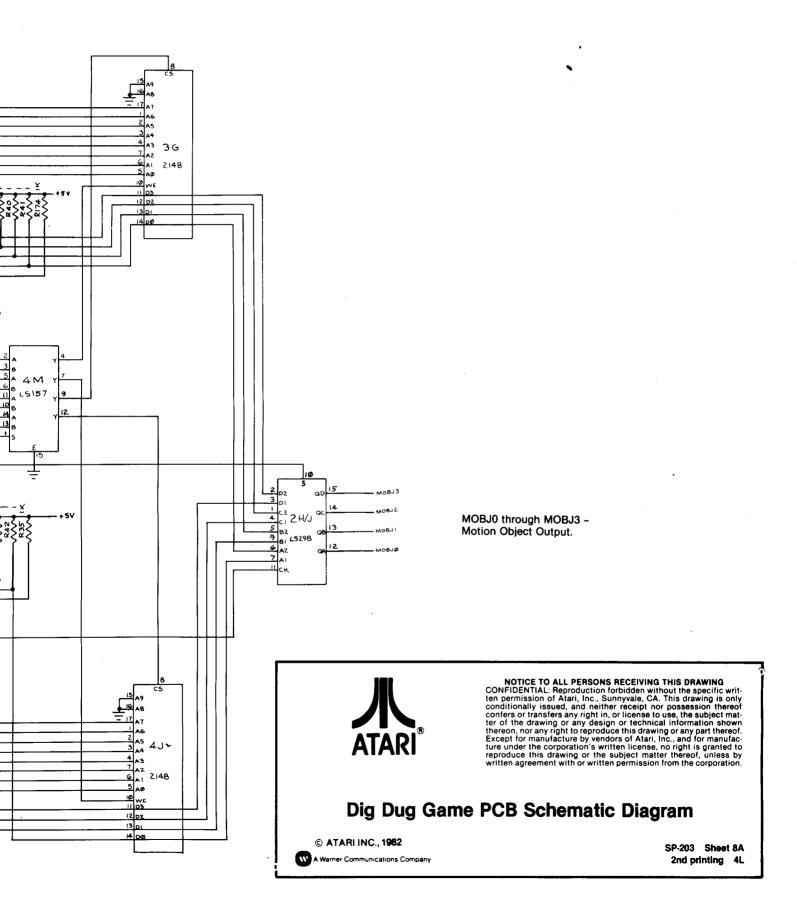


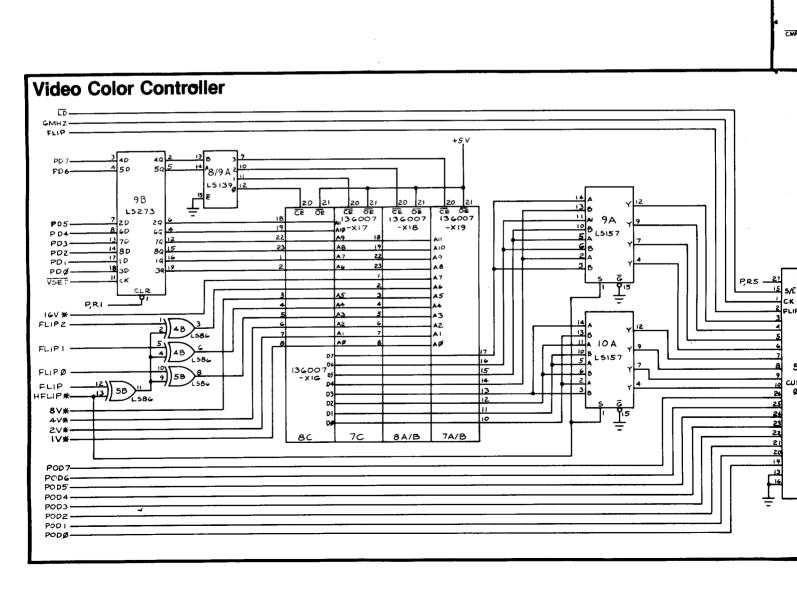
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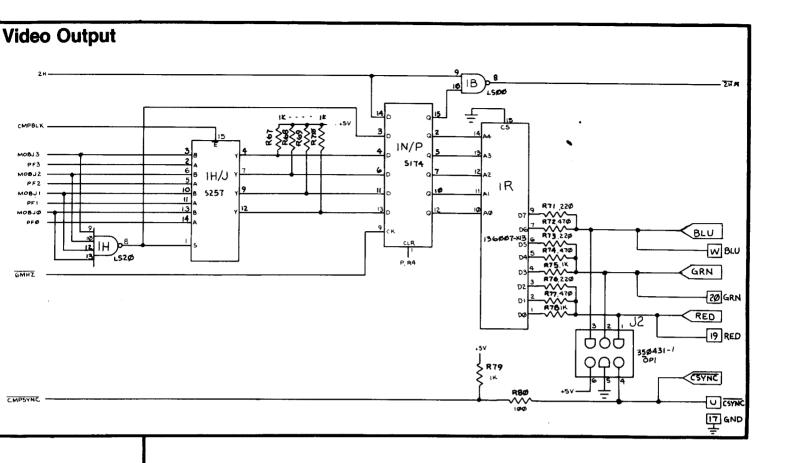


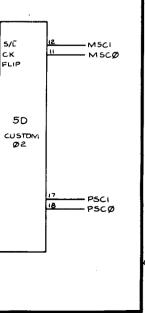
MOP0 through MOP7 - Motion Object V and H Position Data.

MOBJA0 through MOBJA7 - Motion Object Picture Address.









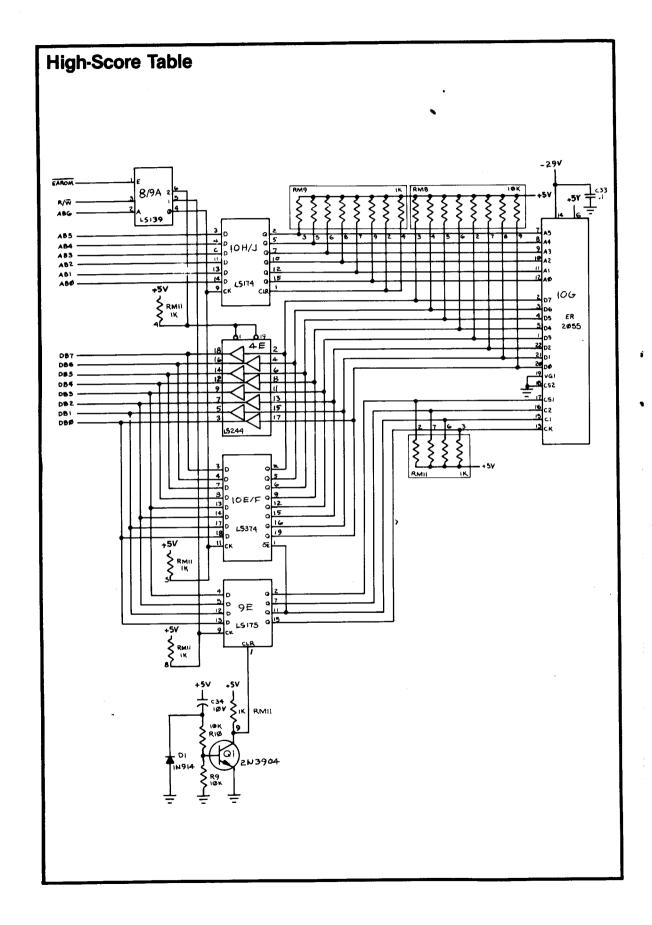


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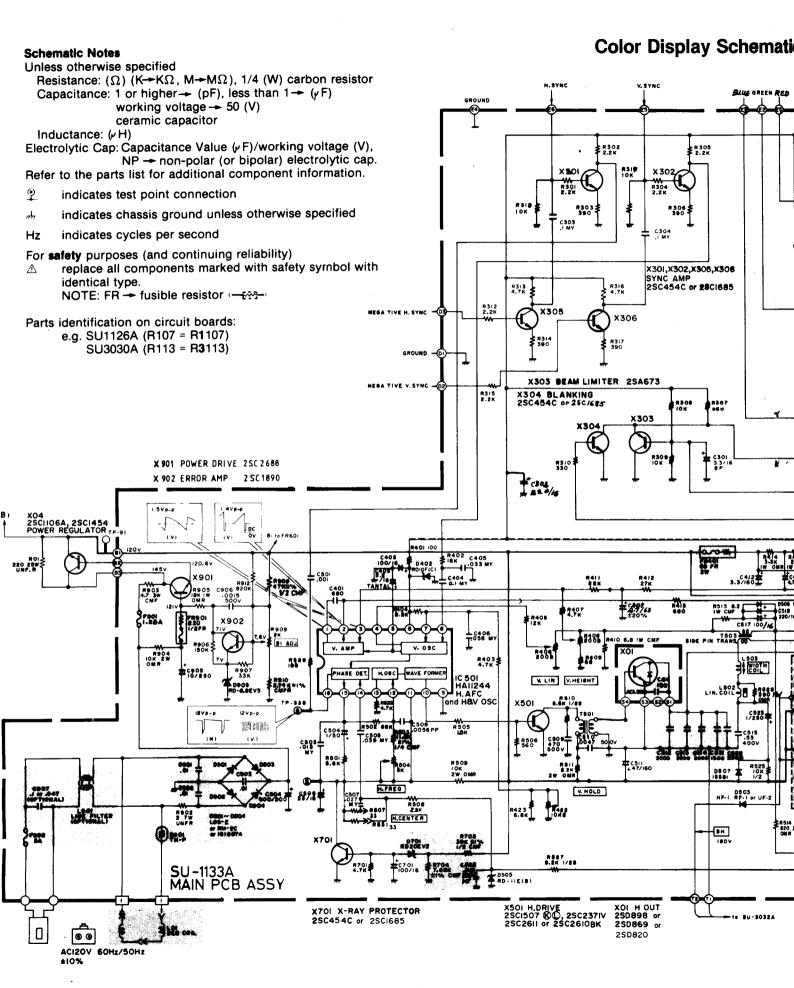


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#### atic Diagram

