

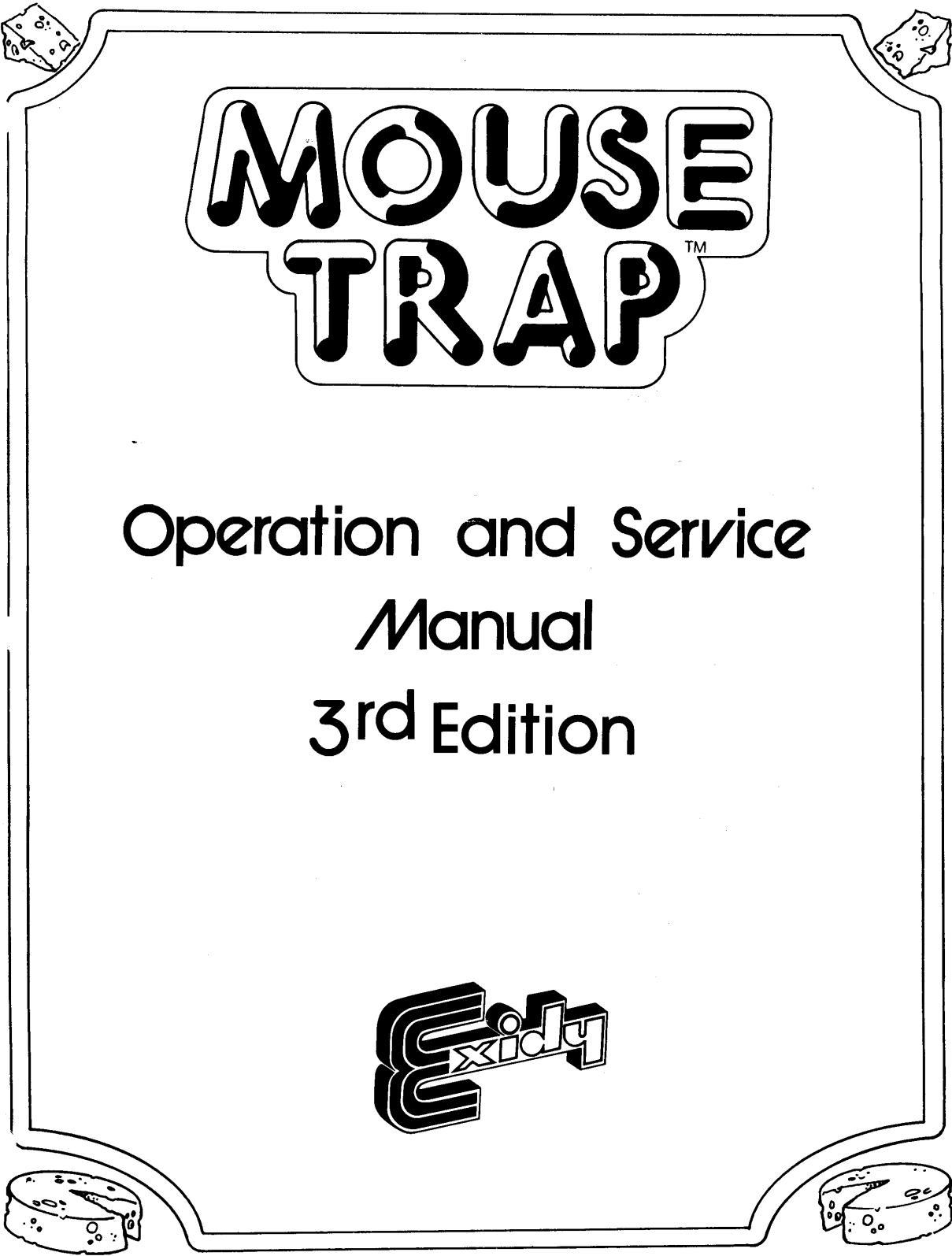
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# MOUSE TRAP<sup>TM</sup>

Operation and Service  
Manual  
3rd Edition



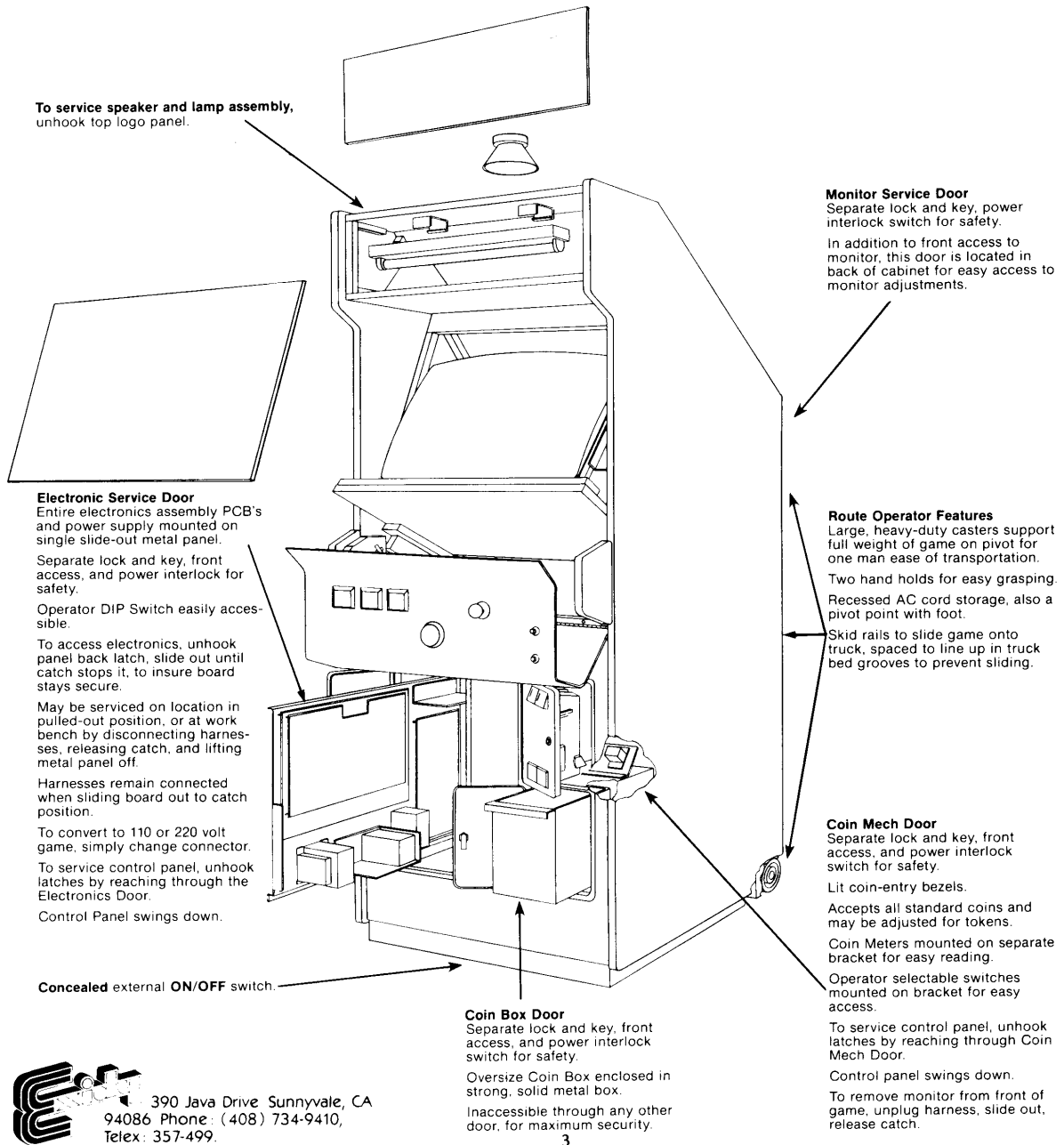
MOUSE TRAP™  
Operation and Service Manual  
3<sup>rd</sup> Edition

(c) 1981 Exidy, Inc.  
390 Java Drive, Sunnyvale, California 94086-1271  
Telephone: (408) 734-9410  
Toll-free: (800) 538-8402  
Telex: 357-499

## INTRODUCING THE EXIDY OPERATOR CONVENIENCE PACKAGE

Exidy's New Operator Convenience Package makes all components accessible through the front of the game. Each door has its own sepa-

rate lock and key, securing game **service** to **capable** hands, and **profits** to the **right** hands!



390 Java Drive Sunnyvale, CA  
94086 Phone: (408) 734-9410,  
Telex: 357-499.

## 2.0 ADJUSTMENTS

### 2.1 POWER SUPPLY ADJUSTMENTS

All DC Power required to operate MOUSE TRAP™ is supplied by the Exidy Power Supply Module.

CAUTION: Only certified technicians should make adjustments on all components of MOUSE TRAP™. AC line voltage selection is available in your MOUSE TRAP™ game by setting the appropriate jumpers on the power chassis. Only the +5v DC is adjustable. This must be adjusted to:

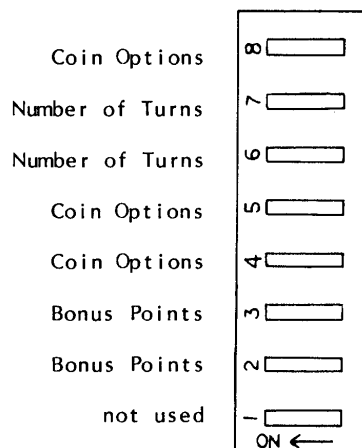
+5.00v DC +/- .25v

as measured on the Logic PCB near the microprocessor (location 2A).

### 2.2 SELECTABLE OPTIONS

MOUSE TRAP™ has several switch selectable options controlled by an 8-position DIP switch located on the main logic board at position 16A. This switch is accessible through the front electronics door. Simply slide the logic board out and locate the DIP switch on the lower left-hand corner.

The following drawing shows the particular functions controlled by the 8-position DIP switch.



Functions of the 8-position DIP Switch

## 2.3 SELECTABLE DIP SWITCH SETTINGS

MOUSE TRAP™ is shipped with the dip switch already set for optimum dollar return. Should you decide to change the settings, you may select any of the following options by setting the proper switch accordingly:

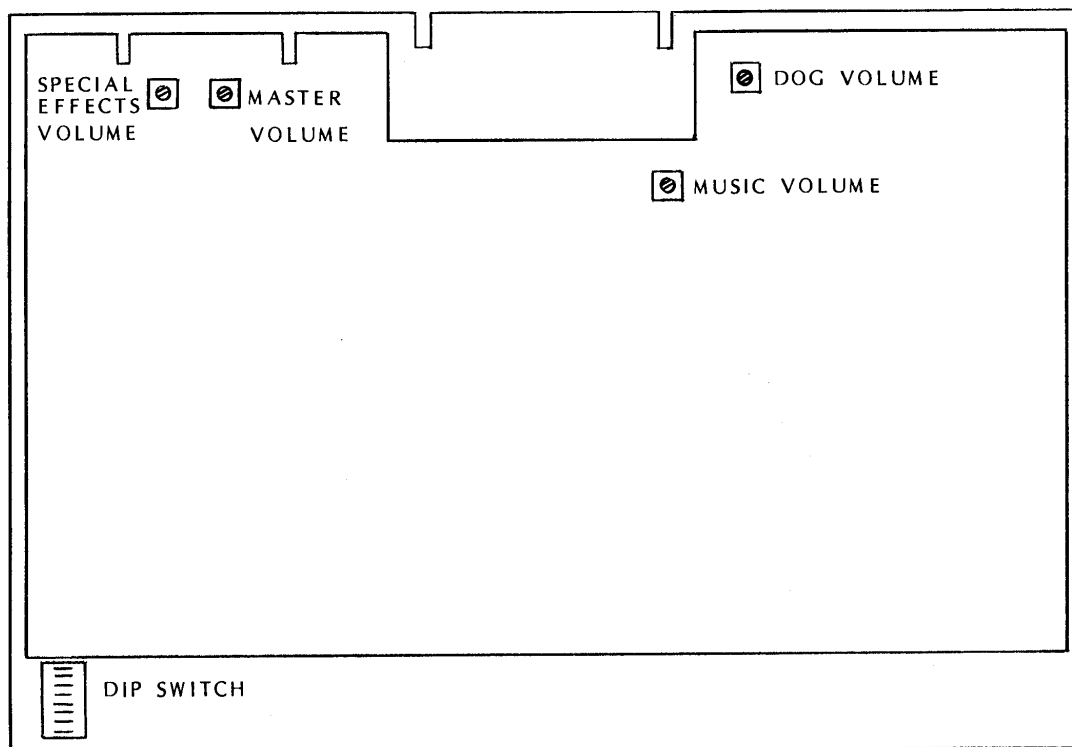
| A. COINAGE                                                                | Switch<br>4 | Switch<br>5 | Switch<br>8 |
|---------------------------------------------------------------------------|-------------|-------------|-------------|
| 1 Coin - 1 Credit                                                         | OFF         | OFF         | OFF         |
| 2 Coins- 1 Credit                                                         | OFF         | ON          | OFF         |
| 1 Coin - 2 Credits                                                        | ON          | OFF         | OFF         |
| 1 Coin - 4 Credits                                                        | ON          | ON          | OFF         |
| 1 Coin - 3 Credits or<br>2 Coins- 7 Credits                               | OFF         | ON          | ON          |
| 1 Coin in Left Slot-<br>1 Credit<br>1 Coin in Right Slot-<br>5 Credits    | OFF         | OFF         | ON          |
| One Coin in Left Slot-<br>1 Credit<br>1 Coin in Right Slot-<br>4 Credits  | ON          | OFF         | ON          |
| Two Coins in Left Slot-<br>1 Credit<br>1 Coin in Right Slot-<br>3 Credits | ON          | ON          | ON          |

| B. NUMBER OF TURNS | Switch<br>6 | Switch<br>7 |
|--------------------|-------------|-------------|
| 2 turns            | OFF         | OFF         |
| 3 turns            | ON          | OFF         |
| 4 turns            | OFF         | ON          |
| 5 turns            | ON          | ON          |

| E. BONUS TURN<br>(Extra turn awarded<br>when selectable number<br>of points are made). | Switch<br>2 | Switch<br>3 |
|----------------------------------------------------------------------------------------|-------------|-------------|
| Extra turn for<br>30,000 points                                                        | OFF         | OFF         |
| 40,000                                                                                 | ON          | OFF         |
| 50,000                                                                                 | OFF         | ON          |
| 60,000                                                                                 | ON          | ON          |

## 2.4 AUDIO BOARD ADJUSTMENTS

The illustration that follows points out the four audio adjustments and the location of the DIP switch. The audio board rides piggyback on the logic board, mounted on the left wall of the game, when viewed from the front service door.



### 3.0 SELF DIAGNOSTIC TESTS

MOUSE TRAP<sup>TM</sup> has two diagnostic test modes. The first mode, the Logic/Audio Diagnostic Test Mode, checks the RAM and ROM chips on the Logic Board, and simultaneously checks the Audio Board. This test mode is the normal self-test mode and is automatically performed when MOUSE TRAP<sup>TM</sup> is first turned on. The second mode tests the Controls and Color only. To run this test, activate the coin switch while powering up. We will explain both of these modes in full detail.

You may bypass both diagnostic modes by depressing either player one or player two start button while powering up. After 8 seconds of the message "STAND BY VERSION X", (where X is a number) the Attract Mode appears.

#### 3.1 LOGIC/AUDIO DIAGNOSTIC TEST MODE

##### The RAM Test

When MOUSE TRAP<sup>TM</sup> is first turned on, a processor and video RAM test is done. If the RAM passes, it goes immediately into the ROM test, without a message indicating it passed the RAM test.

If a RAM chip fails, an attempt is made to indicate the RAM chip where a failure was detected. Since the screen depends on a properly functioning RAM, this indication may not be displayed. A failed RAM may be indicated by a digit from 0 to 7 in every position on the screen using four colors. The code for these digits is as follows:

| Number on Screen | RAM chip to check |                       |
|------------------|-------------------|-----------------------|
| 0                | 5A                | Processor RAM failure |
| 1                | 4A                |                       |
| 2                | 8B                | Screen RAM failure    |
| 3                | 7B                |                       |
| 4                | 11C               | Video RAM failure     |
| 5                | 13C               |                       |
| 6                | 12C               |                       |
| 7                | 14C               |                       |

The RAM test cycles if the failure is persistent.

##### The ROM Test

If the RAM test passes, the ROM test begins. The message STAND BY VERSION X appears on the screen (where X is a number). One by one, exclamation points (!) appear on the screen. Each exclamation mark indicates half (2K) of a ROM board chip, numbered 6A through 13A, has passed the diagnostic test. After all marks appear, the game then goes into the Attract Mode, indicating all is well.

If any failure is detected during the ROM test, a hex digit appears instead of an exclamation point with a "BAD ROM" message at the top of the screen. The test repeats indefinitely if a bad ROM is encountered. The key for which chip to check is as follows:

Message: ROM Chip to check:

|   |                 |
|---|-----------------|
| 0 | lower 2K of 11A |
| 1 | upper 2K of 11A |
| 2 | lower 2K of 10A |
| 3 | upper 2K of 10A |
| 4 | lower 2K of 9A  |
| 5 | upper 2K of 9A  |
| 6 | lower 2K of 8A  |
| 7 | upper 2K of 8A  |
| 8 | lower 2K of 7A  |
| 9 | upper 2K of 7A  |
| A | lower 2K of 6A  |
| B | upper 2K of 6A  |

##### The Audio Test

While the Logic tests are underway, the Audio board is also being checked.

Five seconds after power on, one or more quick beeps, like an organ chord, are heard. This is part of the Exidy Audio Diagnostic Test. The number of beeps that sound indicate different conditions of the Audio board.

The following code is an indication **only**, of where to first check the Audio Board. Because this diagnostic test only evaluates certain components, other circuitry is relied upon for the test. Should this other circuitry fail, the diagnostic test may not, then, point directly to the failure. Please use the results of this test as a guideline for further troubleshooting.

The code is as follows:

- 0 beep: If no beeps are heard, along with a hum or random notes, this may indicate a failure in 3A and/or 7A.
- 1 beep: All audio hardware is OK. However, be sure to check the Attract Mode Cycle anyway for a possible message to check the Audio Board. In occasional instances, this can occur. The message will further direct you.
- 2 beeps: ZERO PAGE RAM failure. Check 6532 RAM I.O. Timer Array at location 7B on the board.
- 3 beeps: (will not occur)
- 4 beeps: ROM failure
- 5 beeps: INTERRUPT failure. Check 6532 at location 7B.

In addition, this message appears during power up **only** if the Audio Board needs to be checked:

AUDIO SELF TEST ERROR

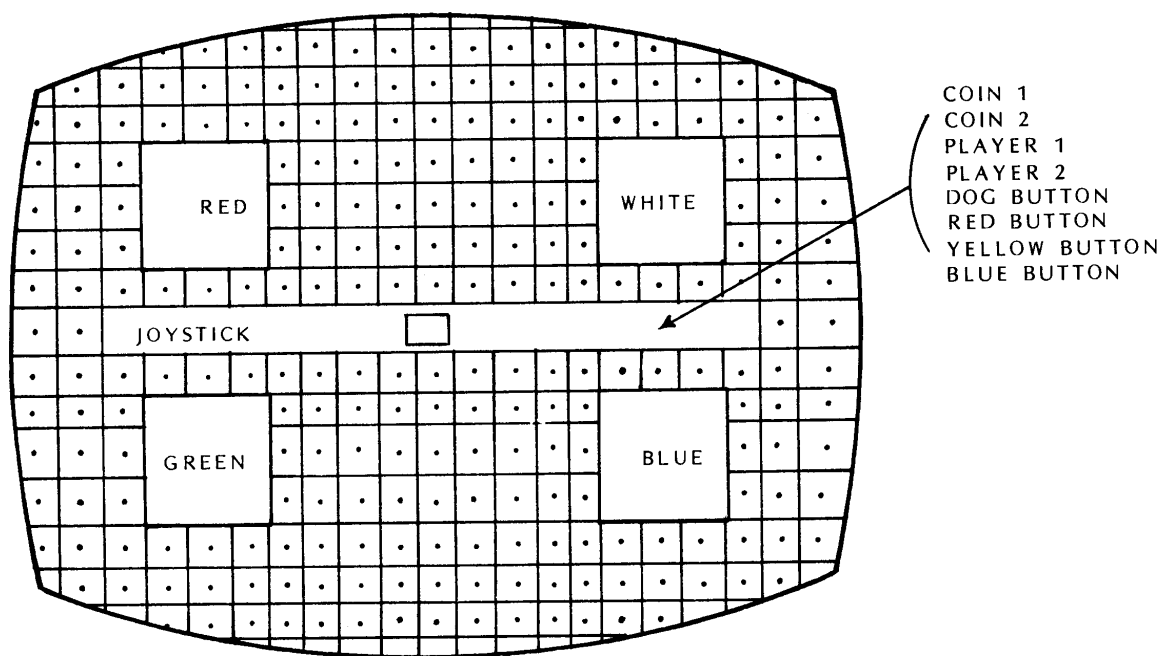
or

AUDIO COMMUNICATION ERROR

### 3.2 CONTROL AND COLOR TEST MODE

If desired, you may test all player controls and screen colors. To do so, activate either coin switch at power-up. The game then enters the Control/Color Test Mode. This mode lasts for seven minutes to give you time to test and make adjustments. After that, the Attract Mode begins.

In the Control/Color Test Mode, the screen shows this pattern:



The grid pattern tests your screen for any distortion or convergence.

The solid blocks of color (red, white, green, and blue) allow you to adjust the color. When any player control (player 1 start, player 2 start, or red, blue, yellow, or Dog button) or coin switch (coin 1 or coin 2) is activated, its name appears below the white box. This shows that the switch connection is proper. When the joystick is activated, the message Joystick appears below the red box. Also, in the middle of the screen, a square indicates the joystick direction.

## 4.0 NORMAL OPERATION

### 4.1 ATTRACT MODE

After the MOUSE TRAP™ is powered up and the self- diagnostic test is performed, the Attract Mode starts up, showing the following messages:

MOUSETRAP™

CREDITS 00

ONE COIN FOR ONE CREDIT

ONE CREDIT FOR ONE PLAYER  
TWO CREDITS FOR TWO PLAYERS

EXIDY

(P) COPYRIGHT 1981 (C)

The number of coins or any currency per game is operator selectable and the message will reflect that choice.

#### MOUSETRAP HALL OF FAME

|     |       |            |
|-----|-------|------------|
| LWH | 49720 | INCREDIBLE |
| DJS | 47340 | FABULOUS   |
| VIC | 44130 | GREAT      |
| MRK | 37830 | SUPER      |
| HAI | 25650 | GOOD       |

JOIN THE MOUSETRAP HALL OF FAME  
BY ENTERING YOUR INITIALS  
FOR A HIGH SCORE

At power up, this Hall of Fame contains fictitious high scores. The first player to exceed the lowest score may enter his score and initials. The Hall of Fame will show the high player's score until power is turned off, and then the fictitious scores reappear.

The following game instructions appear, in pictorial form:

MOUSE EATS CHEESE, BONES, TREASURES

DOG EATS CAT, CHEESE, BONES, TREASURES

CAT EATS MOUSE

HAWK EATS MOUSE AND DOG

IN MAKES HAWK STUPID

BONE TURNS MOUSE INTO DOG  
WHEN YOU USE THE DOG BUTTON

A few seconds of game play is then shown and the Attract Mode cycle begins again.

### 4.2 Game Play

Despite many cats on the prowl, the player steers a mouse through a playfield of halls where the mouse chomps cheese for points and finds other red prizes for bonus value.

The mouse searches out dog bones which are accumulated at the top of the screen. Each bone allows the mouse to become a ferocious dog when the "dog button" on the control panel is pressed. Now the player is the aggressor, and cats are open game for additional points of escalating value. After several seconds, the red dog begins blinking blue. This warns that his power is wearing off and he'll soon be a mere mouse again.

When all the cheese morsels on one level are eaten up, the player is given another game field with more challenge.

Randomly, a purple hawk flies over the walls in search of a delicious mouse or dog. The player's only defense is to enter the secret passage marked "in" at the center of the screen. This quickly transports the mouse or dog through an unseen tunnel to one of the four corners. This tactic makes the hawk "dumb", or aimless in his flight. The mouse or dog can then escape the hawk.

The player has the added strategy of doors to open and shut to his advantage. At the touch of a button, the player may open or close three colors of doors. By closing a door, the mouse can block a cat's advance. Or, when the mouse turns into a dog, the skilled player can use the doors to trap cats, earning additional points of escalating value for each one overtaken.

#### **4.3 BONUS TURN FEATURE**

An extra turn is given to a player everytime he scores 30,000, 40,000, 50,000, or 60,000 (operator selectable) points. A good player may rack up any number of bonus turns throughout a game, but the screen does not display more than five.

#### **4.4 ENTERING THE MOUSE TRAP™ HALL OF FAME**

Anytime a player's score exceeds one of the five current high scores, he is eligible to enter his initials in the Vanity Table. If both players of a two player game are record high scorers, the highest of the two is first invited to enter his initials. To do so, he directs the mouse around an alphabet chart with the joystick. Once on the letter desired, he hits the DOG button. The RUB feature allows a player to erase mistaken letters. Once the correct initials are keyed in, the player should go to END, and hit the DOG button. This will log in his initials, and return to the next mode.

The Hall of Fame Mode runs on a timer. If a player does not enter his or her initials, the Attract Mode eventually takes over.

# LOGIC BOARD ASSEMBLY PARTS LIST

| PART NUMBER | DESCRIPTION                          |
|-------------|--------------------------------------|
| 177-3391-14 | Logic PCB Assembly                   |
| 77-3391-14  | Logic PCB                            |
| 58-0002-00  | Spacer                               |
| 100-0005-00 | Ribbon Cable Assembly                |
| 22-0001-02  | I.C. 74LS00                          |
| 22-0002-02  | I.C. 74LS02                          |
| 22-0003-02  | I.C. 74LS04                          |
| 22-0004-00  | I.C. 7407                            |
| 22-0005-02  | I.C. 74LS08                          |
| 22-0006-02  | I.C. 74LS11                          |
| 22-0007-02  | I.C. 74LS20                          |
| 22-0008-02  | I.C. 74LS21                          |
| 22-0009-02  | I.C. 74LS27                          |
| 22-0010-02  | I.C. 74LS32                          |
| 22-0011-02  | I.C. 74LS74                          |
| 22-0012-02  | I.C. 74LS112                         |
| 22-0013-02  | I.C. 74LS138                         |
| 22-0214-02  | I.C. 74LS139                         |
| 22-0015-02  | I.C. 74LS157                         |
| 22-0016-02  | I.C. 74LS161                         |
| 22-0017-02  | I.C. 74LS166                         |
| 22-0018-02  | I.C. 74LS193                         |
| 22-0019-02  | I.C. 74LS241                         |
| 22-0020-02  | I.C. 74LS245                         |
| 22-0021-02  | I.C. 74LS374                         |
| 25-0001-00  | I.C. MICROPROCESSOR 6502A            |
| 23-0001-00  | 6301 PROM                            |
| 23-0002-00  | 6331 PROM                            |
| 23-0003-00  | 6331 PROM                            |
| 20-0001-00  | IN4002 DIODE                         |
| 02-4712-00  | RESISTOR, 470 OHM 1/4W 5%            |
| 02-1222-00  | RESISTOR, 1.2K 1/4W 5%               |
| 02-2222-00  | RESISTOR, 2.2K 1/4W 5%               |
| 02-3322-00  | RESISTOR, 3.3K 1/4W 5%               |
| 09-2212-00  | RESISTOR, 220 OHM 1/8W 5% 10 PIN SIP |
| 09-2222-00  | REISTOR, 2.2K 1/8W 5% 10 PIN SIP     |
| 09-4722-00  | RESISTOR, 4.7K 1/8W 5% 10 PIN SIP    |
| 09-6822-00  | RESISTOR, 6.8K 1/8W 5% 10 PIN SIP    |
| 10-1034-1   | CAPACITOR, .01 UF CERAMIC DISC       |
| 10-1044-1   | CAPACITOR, .1 UF CERAMIC DISC        |
| 11-6853-0   | CAPACITOR, 6.8 UF 25V DIPTANT        |
| 13-4775-0   | CAPACITOR, 470UF 10V ELECTROLYTIC    |
| 47-0001-00  | DIPSHUNT JUMPER PAKS 16 PIN          |
| 49-5002-00  | DIP SWITCH 8 POSITION                |
| 29-0001-00  | CRYSTAL 11.289MHZ (SERIES)           |
| 44-1601-00  | DIP SOCKETS 16 PIN LOW PROFILE       |
| 44-2401-00  | DIP SOCKETS 24 PIN LOW PROFILE       |
| 44-4001-00  | DIPSOCKETS 40 PIN LOW PROFILE        |
| 44-1401-00  | DIP SOCKETS 14 PIN LOW PROFILE       |
| 44-1801-00  | DIP SOCKETS 18 PIN LOW PROFILE       |
| 11-1053-00  | CAPACITOR 1UF 25V DIPTANT            |
| 02-2212-00  | RESISTOR, 220 OHM 1/4W 5%            |

# LOGIC BOARD ASSEMBLY PARTS LIST (continued)

| PART NUMBER | DESCRIPTION                   |
|-------------|-------------------------------|
| 02-1802-00  | RESISTOR, 18 OHM 1/4W 5%      |
| 10-3314-4   | CAPACITOR, 330PF CERAMIC DISC |
| 02-4732-00  | RESISTOR, 47K                 |
| 11-1063-00  | 10UF 16V DIPTANT              |
| 23-0004-00  | 2732, EPROM                   |
| 23-0005-00  | 2716, EPROM                   |
| 23-0006-00  | 2114 STATIC RAM               |
| 02-1822-00  | RESISTOR, 1.8K 1/4W 5%        |
| 02-2272-00  | RESISTOR, 2.7K 1/4W 5%        |
| 02-1052-00  | RESISTOR, 1M 1/4W 5%          |
| 27-0003-00  | I.C., OSC NE555               |
| 20-0006-00  | DIODE, 4454                   |
| 23-0014-00  | 2732, EPROM                   |
| 23-0015-00  | 2732, EPROM                   |
| 23-0016-00  | 2732, EPROM                   |
| 23-0017-00  | 2732, EPROM                   |
| 23-0018-00  | 2732, EPROM                   |

## AUDIO/COLOR BOARD ASSEMBLY

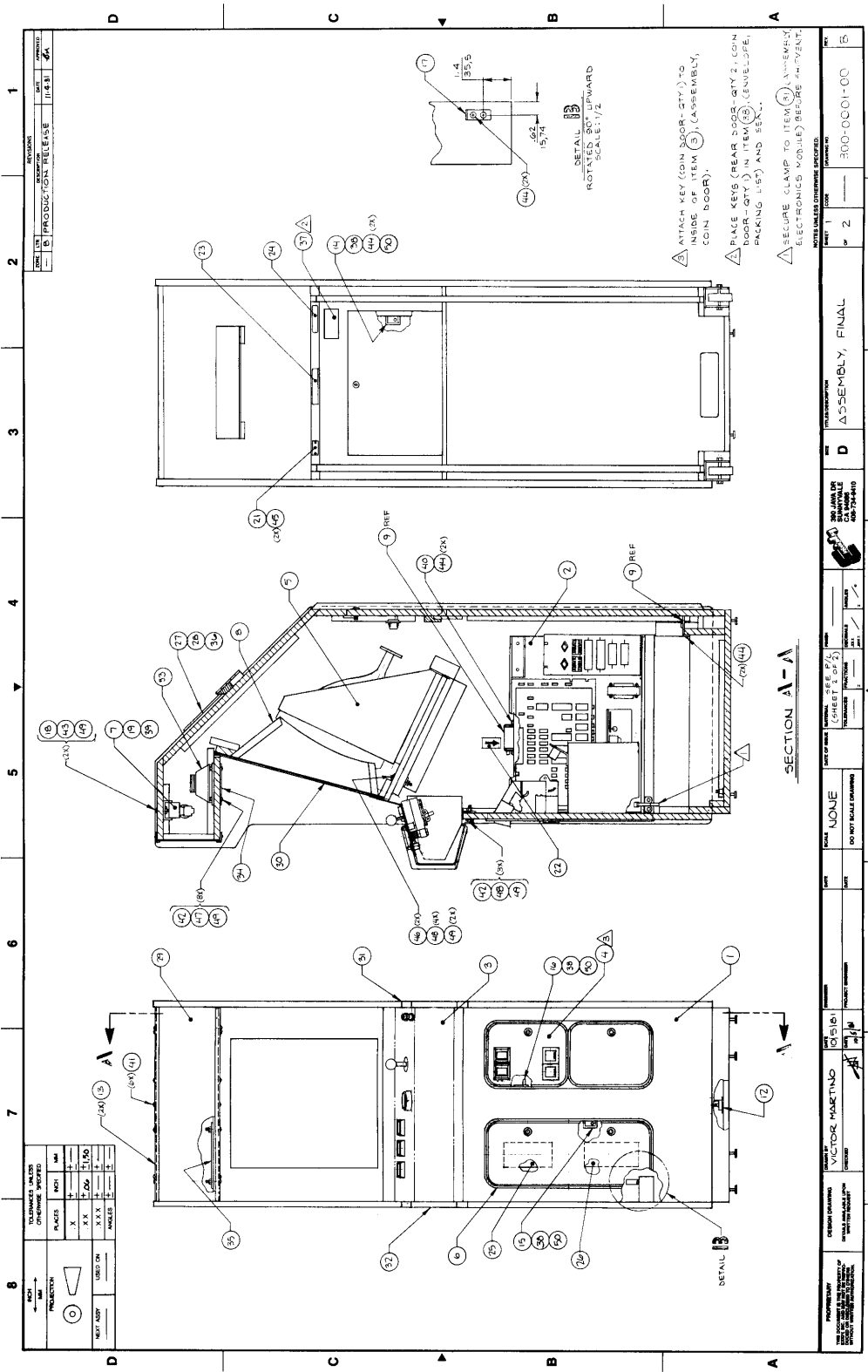
| PART NUMBER | DESCRIPTION                       |
|-------------|-----------------------------------|
| 177-3392-14 | AUDIO/COLOR PCB ASSEMBLY          |
| 77-3392-14  | AUDIO/COLOR PCB                   |
| 22-0013-00  | I.C. 74LS138                      |
| 26-0001-00  | I.C. 6520-A                       |
| 22-0023-00  | I.C. 4069                         |
| 22-0003-02  | I.C. 74LS04                       |
| 22-0001-02  | I.C. 74LS00                       |
| 22-0021-02  | I.C. 74LS374                      |
| 22-0024-00  | I.C. 4053                         |
| 22-0025-00  | I.C. 4175                         |
| 22-0011-02  | I.C. 74LS74                       |
| 22-0026-00  | I.C. LM324                        |
| 22-0027-02  | I.C. 74LS86                       |
| 22-0028-00  | I.C. 4051                         |
| 22-0014-02  | I.C. 74LS139                      |
| 22-0029-02  | I.C. 74LS148                      |
| 22-0030-02  | I.C. 74LS151                      |
| 22-0031-02  | I.C. 74LS174                      |
| 10-1044-1   | CAPACITOR, .1 UF CERAMIC          |
| 10-2204-1   | CAPACITOR, 22PF 16V CERAMIC       |
| 10-1034-1   | CAPACITOR, .01UF 16V CERAMIC      |
| 13-3365-1   | CAPACITOR, 33UF 25V ELECTROLYTIC  |
| 13-1075-00  | CAPACITOR, 100UF 16V ELECTROLYTIC |
| 13-4755-00  | CAPACITOR, 4.7UF 16V ELECTROLYTIC |
| 02-3332-00  | RESISTOR, 33K 1/4W 5%             |
| 02-3322-00  | RESISTOR, 3.3K 1/4W 5%            |
| 02-1062-00  | RESISTOR, 10M 1/4W 5%             |
| 02-3012-00  | RESISTOR, 300 OHM 1/4W 5%         |
| 02-1802-00  | RESISTOR, 18 1/4W 5%              |
| 02-2232-00  | RESISTOR, 22K 1/4W 5%             |
| 02-2722-00  | RESISTOR, 2.7K 1/4W 5%            |

# **AUDIO/COLOR BOARD ASSEMBLY (continued)**

| PART NUMBER | DESCRIPTION                      |
|-------------|----------------------------------|
| 02-1322-00  | RESISTOR, 1.3K 1/4W 5%           |
| 02-6812-00  | RESISTOR, 680 OHM 1/4W 5%        |
| 02-3312-00  | RESISTOR, 330 OHM 1/4W 5%        |
| 02-1612-00  | RESISTOR, 160 OHM 1/4W 5%        |
| 02-8202-00  | RESISTOR, 82 OHM 1/4W 5%         |
| 02-3902-00  | RESISTOR, 39 OHM 1/4W 5%         |
| 02-1032-00  | RESISTOR, 10K 1/4W 5%            |
| 07-1034-00  | 10K POT                          |
| 29-0002-00  | 3.579545 MHZ CRYSTAL             |
| 47-0001-00  | 16 PIN DIP SHUNT                 |
| 44-1401-00  | 14 PIN DIP SOCKET                |
| 44-2401-00  | 24 PIN DIP SOCKET                |
| 44-2801-00  | 28 PIN DIP SOCKET                |
| 44-4001-00  | 40 PIN DIP SOCKET                |
| 44-1601-00  | 16 PIN DIP SOCKET                |
| 02-4712-00  | RESISTOR, 470 OHM 1/4            |
| 02-2422-00  | RESISTOR, 2.4K 1/4W              |
| 02-2032-00  | RESISTOR, 20K 1/4W               |
| 02-1832-00  | RESISTOR, 18K 1/4W               |
| 02-3922-00  | RESISTOR, 3.9K 1/4W              |
| 02-2452-00  | RESISTOR, 2.4M 1/4W              |
| 22-0039-00  | I.C. 74LS42                      |
| 23-0007-00  | 2732 EPROM                       |
| 23-0008-00  | 2732 EPROM                       |
| 23-0009-00  | 2732 EPROM                       |
| 10-2034-01  | CAPACITOR .02 uf CER.            |
| 23-0010-00  | 2732 EPROM                       |
| 27-0003-00  | NE555 OSC.                       |
| 22-0033-00  | TL081 OP/AMP                     |
| 27-0004-00  | MC3417L DELTA MOD                |
| 22-0034-00  | 4006 CMOS SHIFT REG.             |
| 40-0003-00  | 6 PIN MALE CONNECTOR .156 CENTER |
| 22-0037-00  | I.C. 74LS125                     |
| 22-0015-00  | I.C. 74LS157                     |
| 22-0010-00  | I.C. 74LS32                      |
| 22-0038-00  | I.C. 74LS367                     |
| 25-0003-00  | Z80 CPU                          |
| 22-0035-00  | 4070 CMOS EXC. OR GATE           |
| 22-0036-00  | LM741EN OP/AMP                   |
| 02-5643-01  | RESISTOR, .560K OHM 1/4W         |
| 84-0014-00  | HEATSINK, THM6045                |
| 14-2044-00  | CAPACITOR, MYLAR .2UF 16V        |
| 10-1024-00  | CAPACITOR, CERAMIC .001UF 16V    |
| 09-0001-00  | RESISTOR, 1.8K SIP PAC 8 PIN     |
| 09-0002-00  | RESISTOR, 4.7K SIP PAC 8 PIN     |
| 21-0001-00  | NPN TRANSISTOR TIP 120           |
| 21-0002-00  | PNP TRANSISTOR, TIP 125          |
| 10-5024-01  | CAPACITOR, MYLAR .0022 UF        |
| 14-2224-00  | CAPACITOR, MYLAR .0022 uf        |
| 23-0011-00  | 2716, EPROM                      |
| 23-0012-00  | 2716, EPROM                      |
| 23-0013-00  | 2716, EPROM                      |

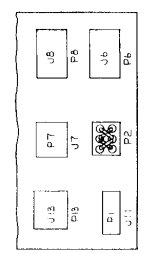
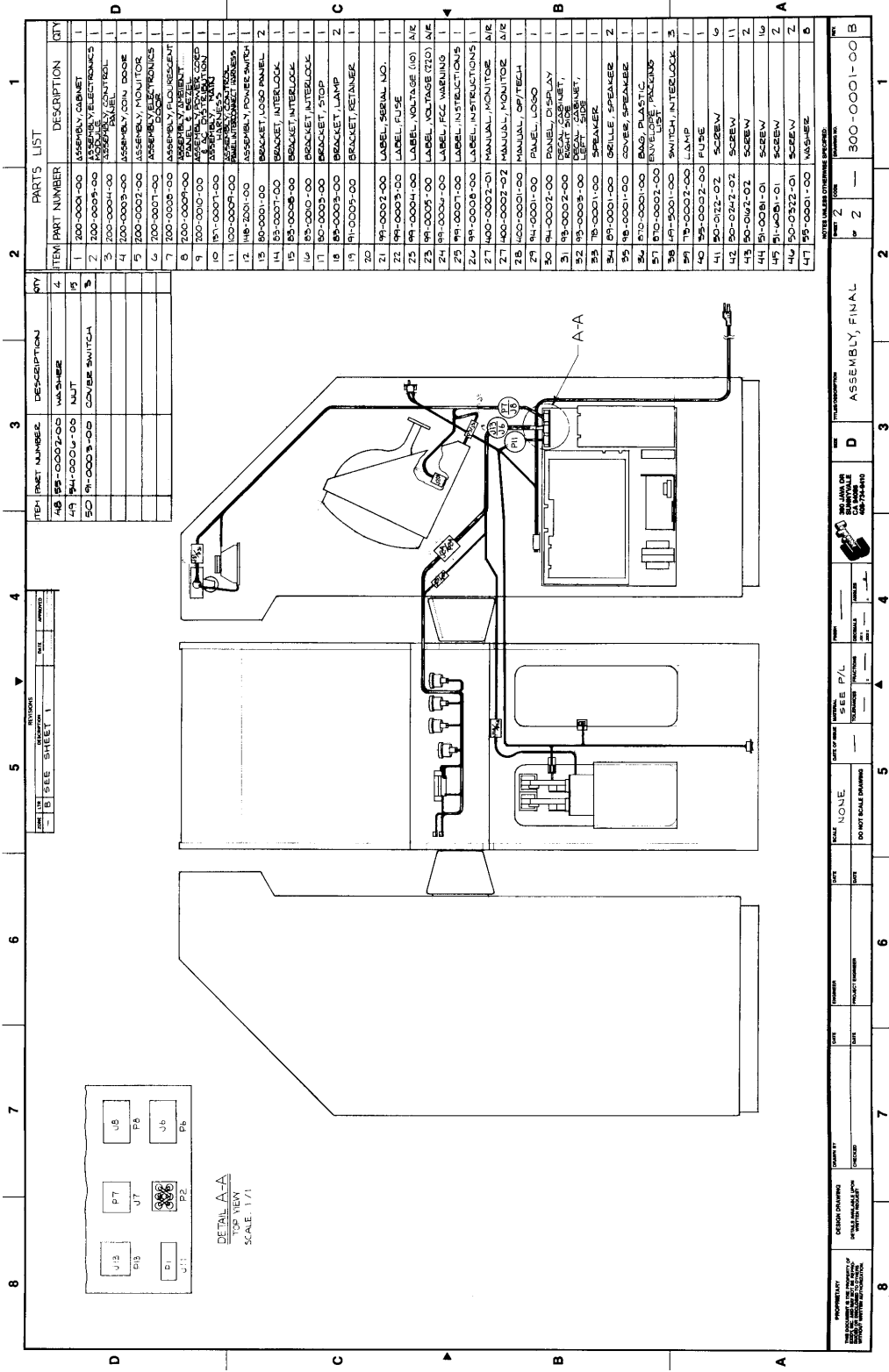
**AUDIO/COLOR BOARD ASSEMBLY (continued)**

| PART NUMBER | DESCRIPTION                       |
|-------------|-----------------------------------|
| 13-3355-01  | CAPACITOR .33 uf 16V ELECTROLYTIC |
| 40-0004-00  | CONNECTOR, PCB MALE               |
| 25-0002-00  | I.C. 6532                         |
| 25-0004-00  | I.C. 6502                         |
| 27-0001-00  | I.C. 6840                         |
| 22-0022-02  | I.C. 74LS154                      |
| 27-0002-00  | I.C. 8253                         |



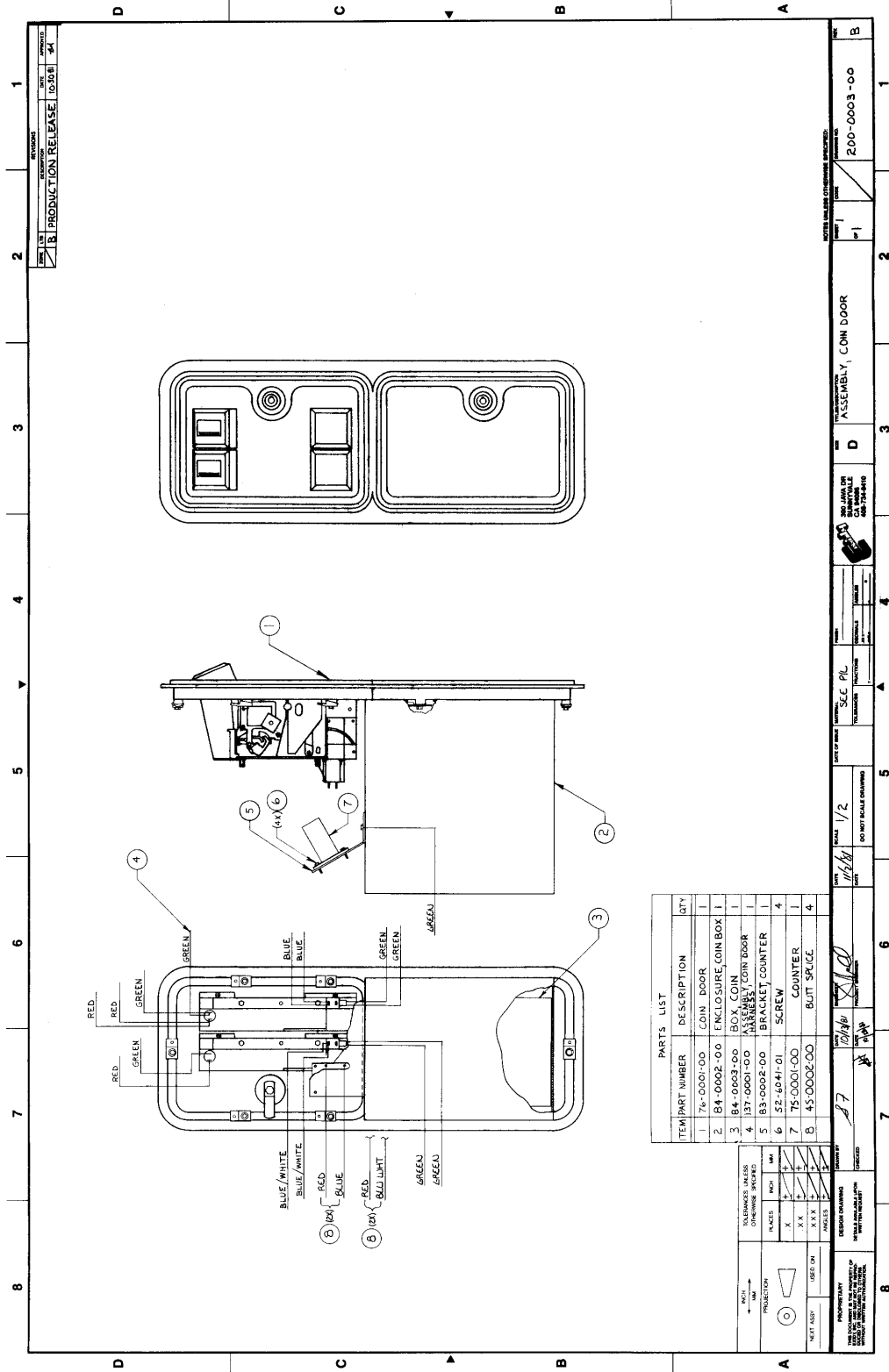
| ITEM | QUANTITIES AND/OR | DATE   |
|------|-------------------|--------|
| 1    | 1                 | 1/1/81 |
| 2    | 1                 | 1/1/81 |
| 3    | 1                 | 1/1/81 |
| 4    | 1                 | 1/1/81 |
| 5    | 1                 | 1/1/81 |
| 6    | 1                 | 1/1/81 |
| 7    | 1                 | 1/1/81 |
| 8    | 1                 | 1/1/81 |
| 9    | 1                 | 1/1/81 |
| 10   | 1                 | 1/1/81 |
| 11   | 1                 | 1/1/81 |
| 12   | 1                 | 1/1/81 |
| 13   | 1                 | 1/1/81 |
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| PROJECT NUMBER       | 300-0001-00 |
| PROJECT DATE         | 1/1/81      |
| PROJECT LOCATION     | 300-0001-00 |
| PROJECT DESCRIPTION  | 300-0001-00 |
| PROJECT STATUS       | 300-0001-00 |
| PROJECT TYPE         | 300-0001-00 |
| PROJECT CATEGORY     | 300-0001-00 |
| PROJECT SUB-CATEGORY | 300-0001-00 |
| PROJECT PHASE        | 300-0001-00 |
| PROJECT SUB-PHASE    | 300-0001-00 |
| PROJECT TASK         | 300-0001-00 |
| PROJECT SUB-TASK     | 300-0001-00 |
| PROJECT ACTION       | 300-0001-00 |
| PROJECT SUB-ACTION   | 300-0001-00 |
| PROJECT RESULT       | 300-0001-00 |
| PROJECT SUB-RESULT   | 300-0001-00 |
| PROJECT COMMENT      | 300-0001-00 |
| PROJECT SUB-COMMENT  | 300-0001-00 |
| PROJECT NOTE         | 300-0001-00 |
| PROJECT SUB-NOTE     | 300-0001-00 |
| PROJECT WARNING      | 300-0001-00 |
| PROJECT SUB-WARNING  | 300-0001-00 |
| PROJECT ERROR        | 300-0001-00 |
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| PROJECT MESSAGE      | 300-0001-00 |
| PROJECT SUB-MESSAGE  | 300-0001-00 |
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| PROJECT SUB-ALERT    | 300-0001-00 |
| PROJECT STATUS       | 300-0001-00 |
| PROJECT SUB-STATUS   | 300-0001-00 |
| PROJECT ACTION       | 300-0001-00 |
| PROJECT SUB-ACTION   | 300-0001-00 |
| PROJECT RESULT       | 300-0001-00 |
| PROJECT SUB-RESULT   | 300-0001-00 |
| PROJECT COMMENT      | 300-0001-00 |
| PROJECT SUB-COMMENT  | 300-0001-00 |
| PROJECT NOTE         | 300-0001-00 |
| PROJECT SUB-NOTE     | 300-0001-00 |
| PROJECT WARNING      | 300-0001-00 |
| PROJECT SUB-WARNING  | 300-0001-00 |
| PROJECT ERROR        | 300-0001-00 |
| PROJECT SUB-ERROR    | 300-0001-00 |
| PROJECT MESSAGE      | 300-0001-00 |
| PROJECT SUB-MESSAGE  | 300-0001-00 |
| PROJECT ALERT        | 300-0001-00 |
| PROJECT SUB-ALERT    | 300-0001-00 |



DETAIL A-A  
TOP VIEW  
SCALE: 1/1





17  
18 PRODUCTION RELEASE 10598 14

PARTS LIST

| ITEM | PART NUMBER | DESCRIPTION        | QTY |
|------|-------------|--------------------|-----|
| 1    | 76-0001-00  | COIN DOOR          | 1   |
| 2    | 84-0002-00  | ENCLOSURE COIN BOX | 1   |
| 3    | 84-0003-00  | BOX COIN           | 1   |
| 4    | 83-0001-00  | ASSEMBLY COIN DOOR | 1   |
| 5    | 83-0002-00  | BRACKET COUNTER    | 1   |
| 6    | 52-4041-01  | SCREW              | 4   |
| 7    | 75-0001-00  | COUNTER            | 1   |
| 8    | 45-0002-00  | BUTT SWICE         | 4   |

PROPRIETARY INFORMATION  
THIS DOCUMENT IS THE PROPERTY OF  
THE UNITED STATES GOVERNMENT  
AND IS NOT TO BE DISTRIBUTED  
OUTSIDE THE GOVERNMENT

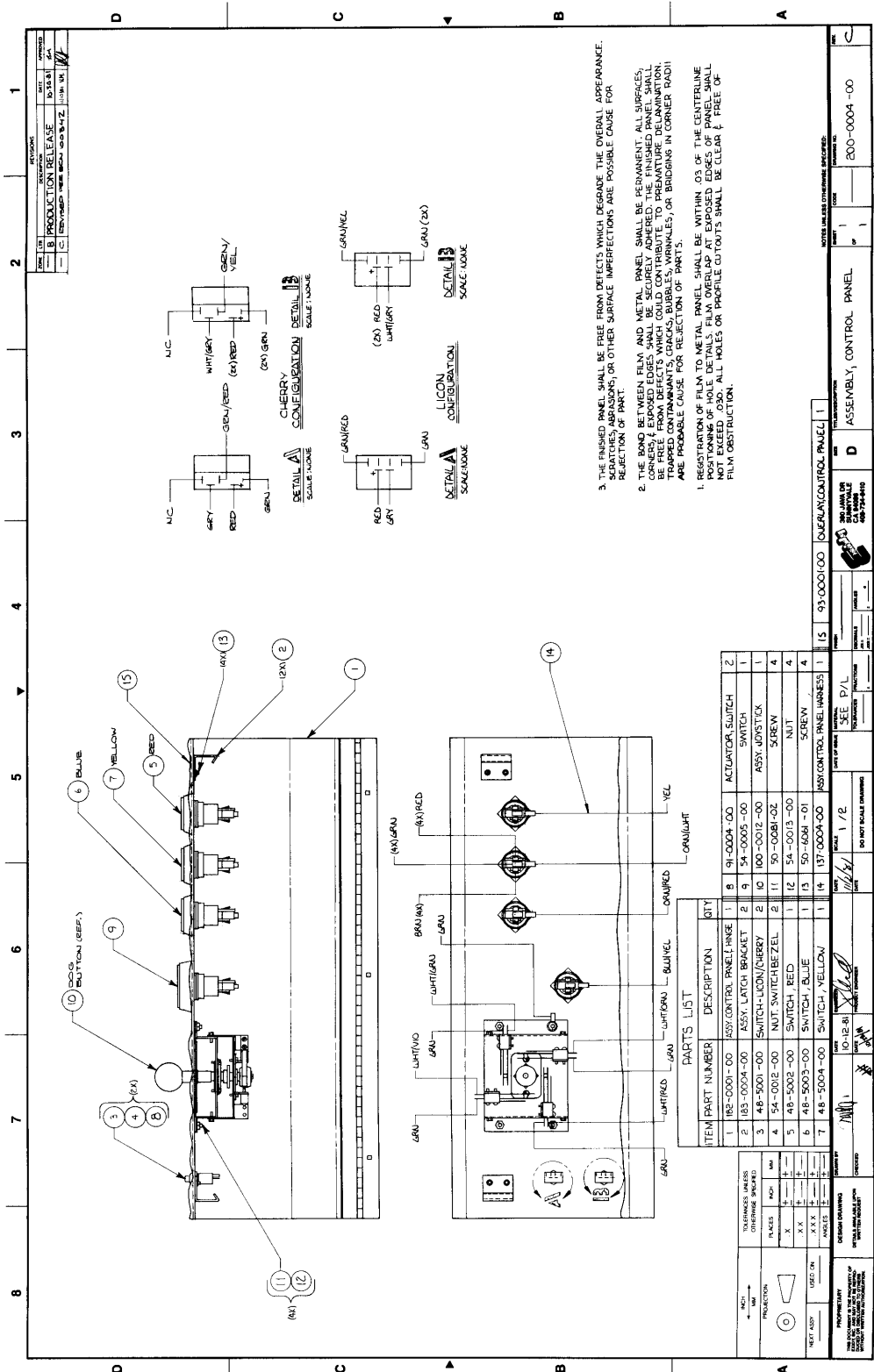
DESIGN DRAWING  
REVISIONS  
DATE  
BY  
CHECKED  
DATE  
BY

SCALE 1/2  
DO NOT SCALE DRAWING

SEE P/L  
TECHNICAL  
REVISIONS

ASSEMBLY, COIN DOOR

200-0003-00



3. THE FINISHED PANEL SHALL BE FREE FROM DEFECTS WHICH DEGRADE THE OVERALL APPEARANCE. SURFACES, IMPRESSIONS, OR OTHER SURFACE IMPERFECTIONS ARE POSSIBLE CAUSE FOR REJECTION OF PART.

2. THE BOND BETWEEN FILM AND METAL PANEL SHALL BE PERMANENT. ALL SURFACES, CORNERS & EXPOSED EDGES SHALL BE SECURELY ADHERED. THE FINISHED PANEL SHALL BE FREE FROM DEFECTS WHICH COULD CONTRIBUTE TO PREMATURE DELAMINATION. DELAMINATION OF THE FILM FROM THE METAL PANEL, OR CRACKING IN CORNER RADIUS ARE PROBABLE CAUSE FOR REJECTION OF PARTS.

1. REGISTRATION OF FILM TO METAL PANEL SHALL BE WITHIN .03 OF THE CENTERLINE NOT EXCEED .030. ALL HOLES OR PROFILE CUTOUTS SHALL BE CLEAR & FREE OF FILM OBSTRUCTION.

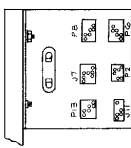
CHERRY CONFIGURATION  
DETAIL 13  
SCALE: NONE

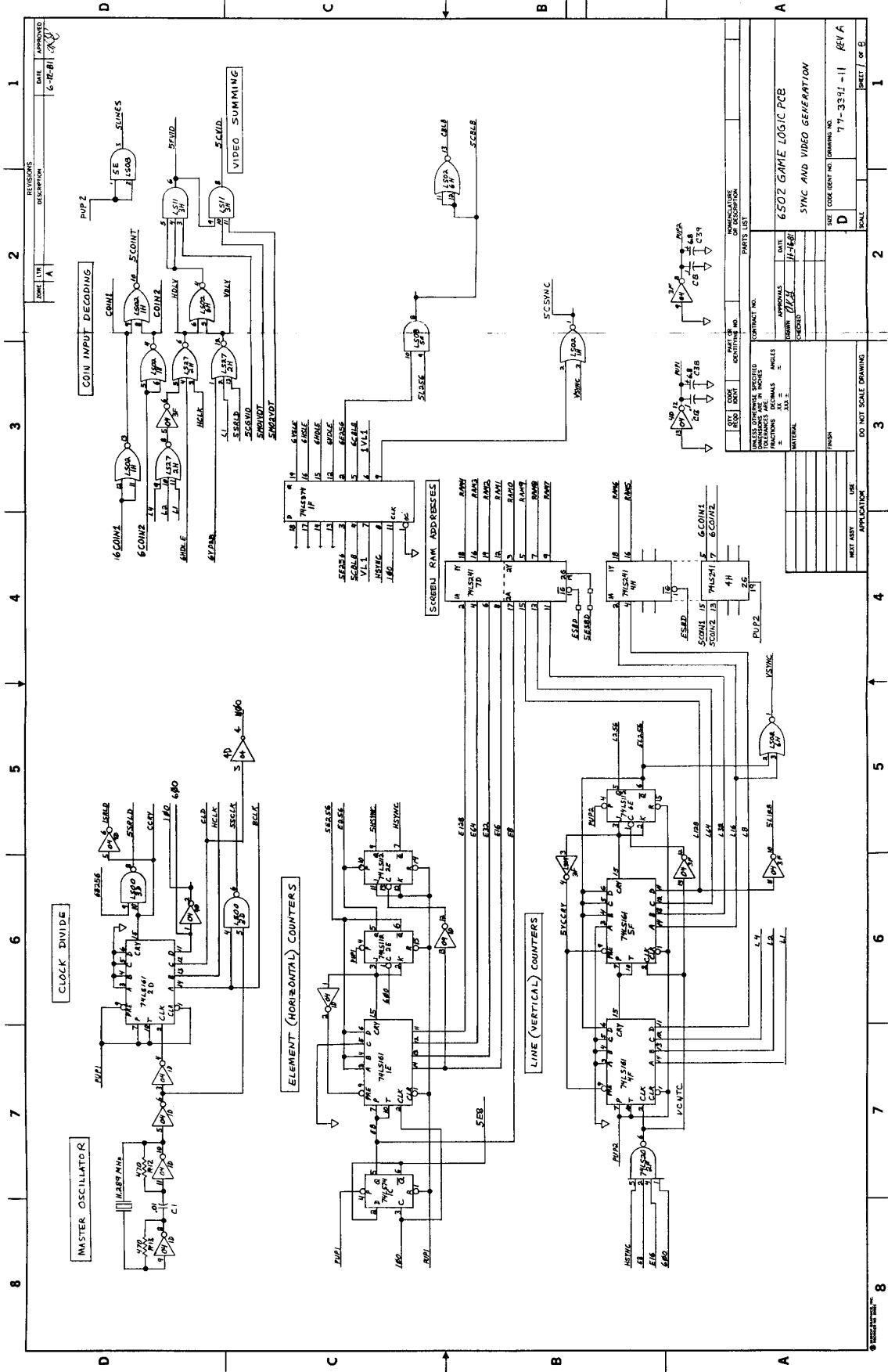
LICON CONFIGURATION  
DETAIL 13  
SCALE: NONE

PARTS LIST

| ITEM | PART NUMBER | DESCRIPTION                | QTY |
|------|-------------|----------------------------|-----|
| 1    | 183-0004-00 | ASSY CONTROL PANEL W/ WIRE | 1   |
| 2    | 183-0004-00 | ASSY LATCH BRACKET         | 2   |
| 3    | 48-5001-00  | SWITCH-LICON/CHERRY        | 2   |
| 4    | 54-0012-00  | NUT SWITCH BEZEL           | 2   |
| 5    | 48-5002-00  | SWITCH RED                 | 1   |
| 6    | 48-5003-00  | SWITCH BLUE                | 1   |
| 7    | 48-5004-00  | SWITCH YELLOW              | 1   |
| 8    | 91-0004-00  | ACTUATOR SWITCH            | 2   |
| 9    | 54-0005-00  | SWITCH                     | 1   |
| 10   | 100-0012-00 | ASSY JOYSTICK              | 1   |
| 11   | 50-0081-02  | SCREW                      | 4   |
| 12   | 54-0013-00  | NUT                        | 4   |
| 13   | 50-6081-01  | SCREW                      | 4   |
| 14   | 137-0004-00 | ASSY CONTROL PANEL W/ WIRE | 1   |

|                |  |      |  |          |  |
|----------------|--|------|--|----------|--|
| DESIGN DRAWING |  | DATE |  | 10-12-81 |  |
| CHECKED        |  | DATE |  | 11/1/81  |  |
| APPROVED       |  | DATE |  | 11/1/81  |  |
| PROJECT        |  | DATE |  | 11/1/81  |  |
| PART NAME      |  | DATE |  | 11/1/81  |  |
| PART NUMBER    |  | DATE |  | 11/1/81  |  |
| QUANTITY       |  | DATE |  | 11/1/81  |  |
| UNIT           |  | DATE |  | 11/1/81  |  |
| SCALE          |  | DATE |  | 11/1/81  |  |
| SHEET          |  | DATE |  | 11/1/81  |  |
| TOTAL SHEETS   |  | DATE |  | 11/1/81  |  |
| DRAWN BY       |  | DATE |  | 11/1/81  |  |
| CHECKED BY     |  | DATE |  | 11/1/81  |  |
| APPROVED BY    |  | DATE |  | 11/1/81  |  |
| PROJECT        |  | DATE |  | 11/1/81  |  |
| PART NAME      |  | DATE |  | 11/1/81  |  |
| PART NUMBER    |  | DATE |  | 11/1/81  |  |
| QUANTITY       |  | DATE |  | 11/1/81  |  |
| UNIT           |  | DATE |  | 11/1/81  |  |
| SCALE          |  | DATE |  | 11/1/81  |  |
| SHEET          |  | DATE |  | 11/1/81  |  |
| TOTAL SHEETS   |  | DATE |  | 11/1/81  |  |
| DRAWN BY       |  | DATE |  | 11/1/81  |  |
| CHECKED BY     |  | DATE |  | 11/1/81  |  |
| APPROVED BY    |  | DATE |  | 11/1/81  |  |





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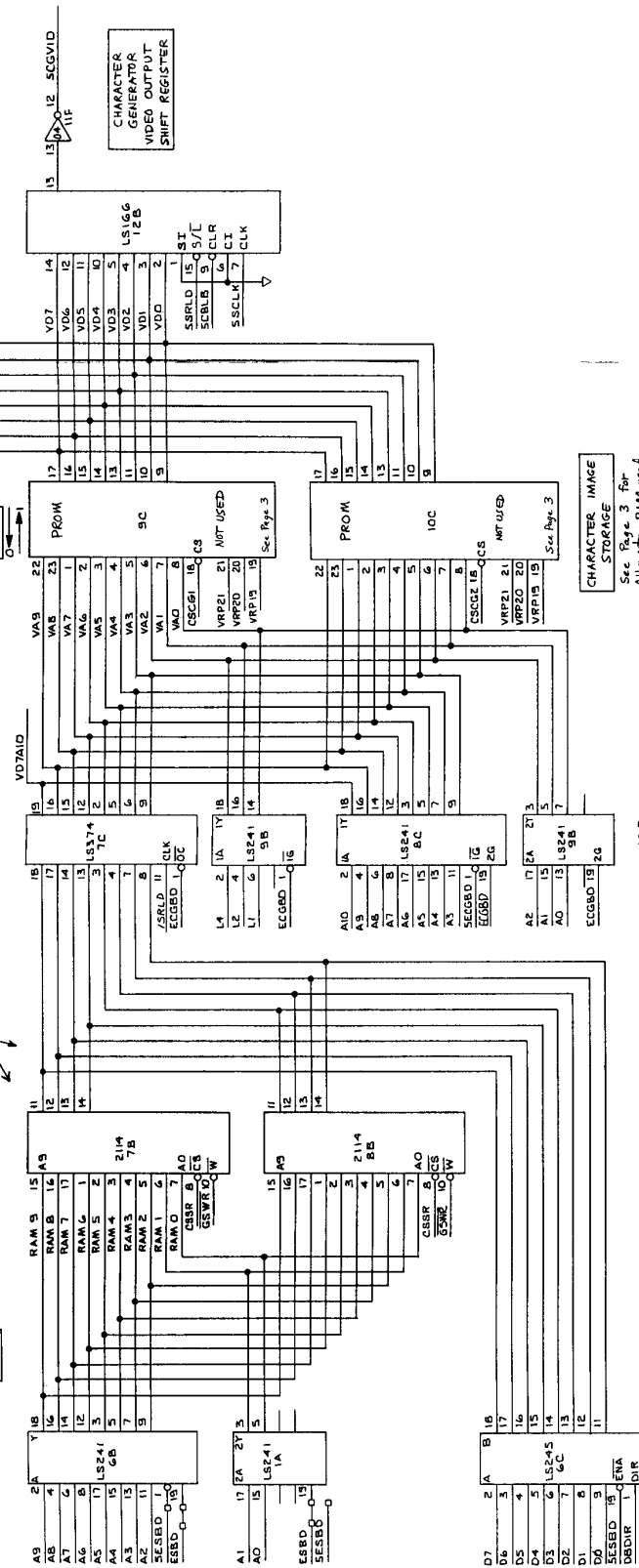
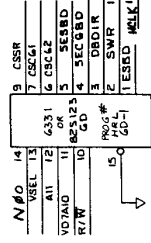
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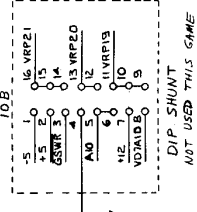
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| 6-12-81 |             |          |

SCREEN CHIP SELECT and BUS DIRECTION DECODING FROM



See Page 3 for Alternate: RAM used for PROGRAM generated changeable imagery.



CHARACTER GENERATOR  
IMAGE STORAGE RAMS

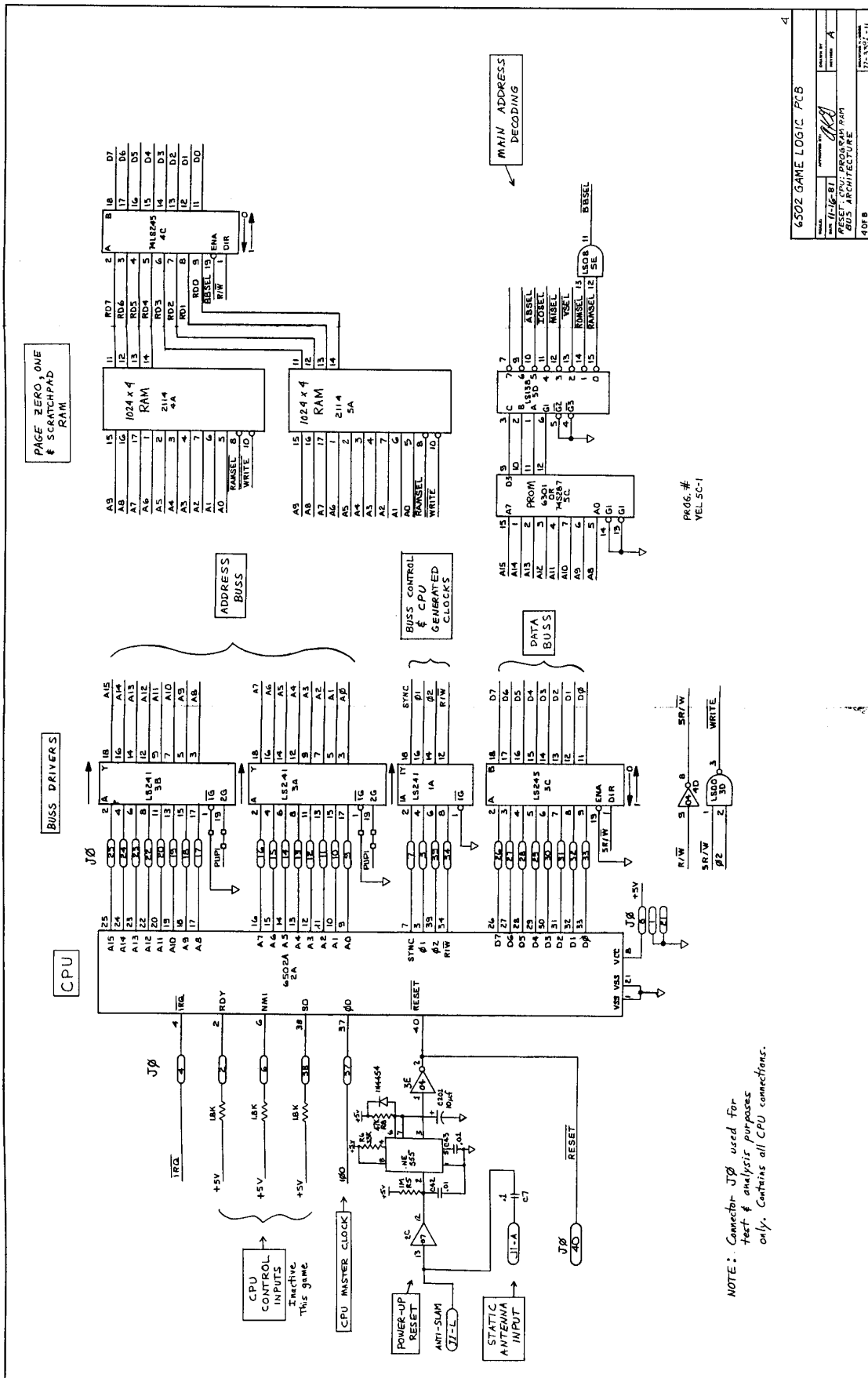
For use with PROGRAM  
generated changeable imagery.  
ALL 2114's  $\leq$  300 ns

|       |    |      |     |
|-------|----|------|-----|
| VA9   | 15 | 11   | VD7 |
| VA8   | 16 | 12   | VD6 |
| VA7   | 17 | 13   | VD5 |
| VA6   | 1  | 14   | VD4 |
| VA5   | 2  |      |     |
| VA4   | 3  | 2114 |     |
| VA3   | 4  | 11C  |     |
| VA2   | 5  |      |     |
| VA1   | 6  |      |     |
| VA0   | 7  |      |     |
| CSCG1 | 8  |      |     |
| CSWR  | 10 |      |     |

|       |    |      |     |
|-------|----|------|-----|
| VA9   | 15 | 11   | VD7 |
| VA8   | 16 | 12   | VD6 |
| VA7   | 17 | 13   | VD5 |
| VA6   | 1  | 14   | VD4 |
| VA5   | 2  |      |     |
| VA4   | 3  | 2114 |     |
| VA3   | 4  | 11C  |     |
| VA2   | 5  |      |     |
| VA1   | 6  |      |     |
| VA0   | 7  |      |     |
| CSCG2 | 8  |      |     |
| CSWR  | 10 |      |     |

|       |    |      |     |
|-------|----|------|-----|
| VA9   | 15 | 11   | VD3 |
| VA8   | 16 | 12   | VD2 |
| VA7   | 17 | 13   | VD1 |
| VA6   | 1  | 14   | VDO |
| VA5   | 2  |      |     |
| VA4   | 3  | 2114 |     |
| VA3   | 4  | 11C  |     |
| VA2   | 5  |      |     |
| VA1   | 6  |      |     |
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| CSWR  | 10 |      |     |

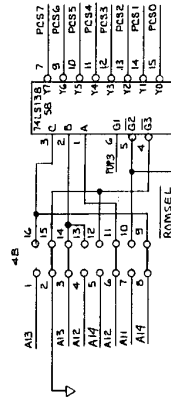
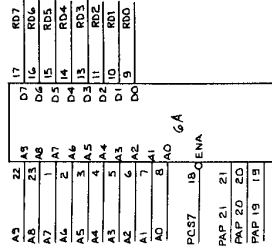
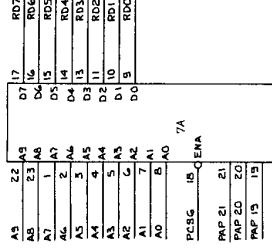
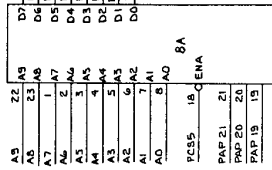
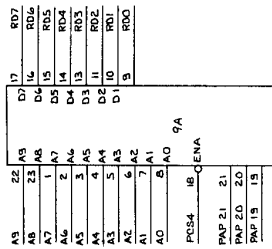
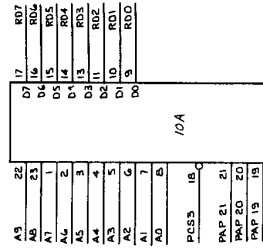
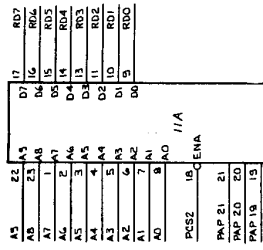
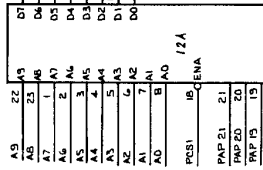
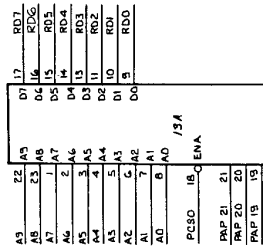
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|-------|----|------|-----|
| VA9   | 15 | 11   | VD3 |
| VA8   | 16 | 12   | VD2 |
| VA7   | 17 | 13   | VD1 |
| VA6   | 1  | 14   | VDO |
| VA5   | 2  |      |     |
| VA4   | 3  | 2114 |     |
| VA3   | 4  | 11C  |     |
| VA2   | 5  |      |     |
| VA1   | 6  |      |     |
| VA0   | 7  |      |     |
| CSCG2 | 8  |      |     |
| CSWR  | 10 |      |     |



|                     |             |
|---------------------|-------------|
| 6502 GAME LOGIC PCB |             |
| REVISED BY          | REVISED BY  |
| DATE                | DATE        |
| REVIEWED BY         | REVIEWED BY |
| DATE                | DATE        |
| DESIGNED BY         | DESIGNED BY |
| DATE                | DATE        |
| TESTED BY           | TESTED BY   |
| DATE                | DATE        |
| APPROVED BY         | APPROVED BY |
| DATE                | DATE        |
| 6502                | 6502        |
| 77-332-11           | 77-332-11   |

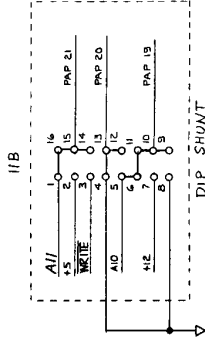
# PROGRAM MEMORY

See TECHNICAL MANUAL FOR PROGRAM #3.



## FROM ADDRESS SELECTION

Configuration shown is for 48V ONLY 2732 EPROMS. See TECHNICAL MANUAL for configuration for other memory devices.



## MEMORY DEVICE PERSONALITY

Configuration shown is for 48V ONLY 2732 EPROMS. See TECHNICAL MANUAL for configuration for other memory devices.

EXIDY INC.

REVISED BY

DATE

REVISION

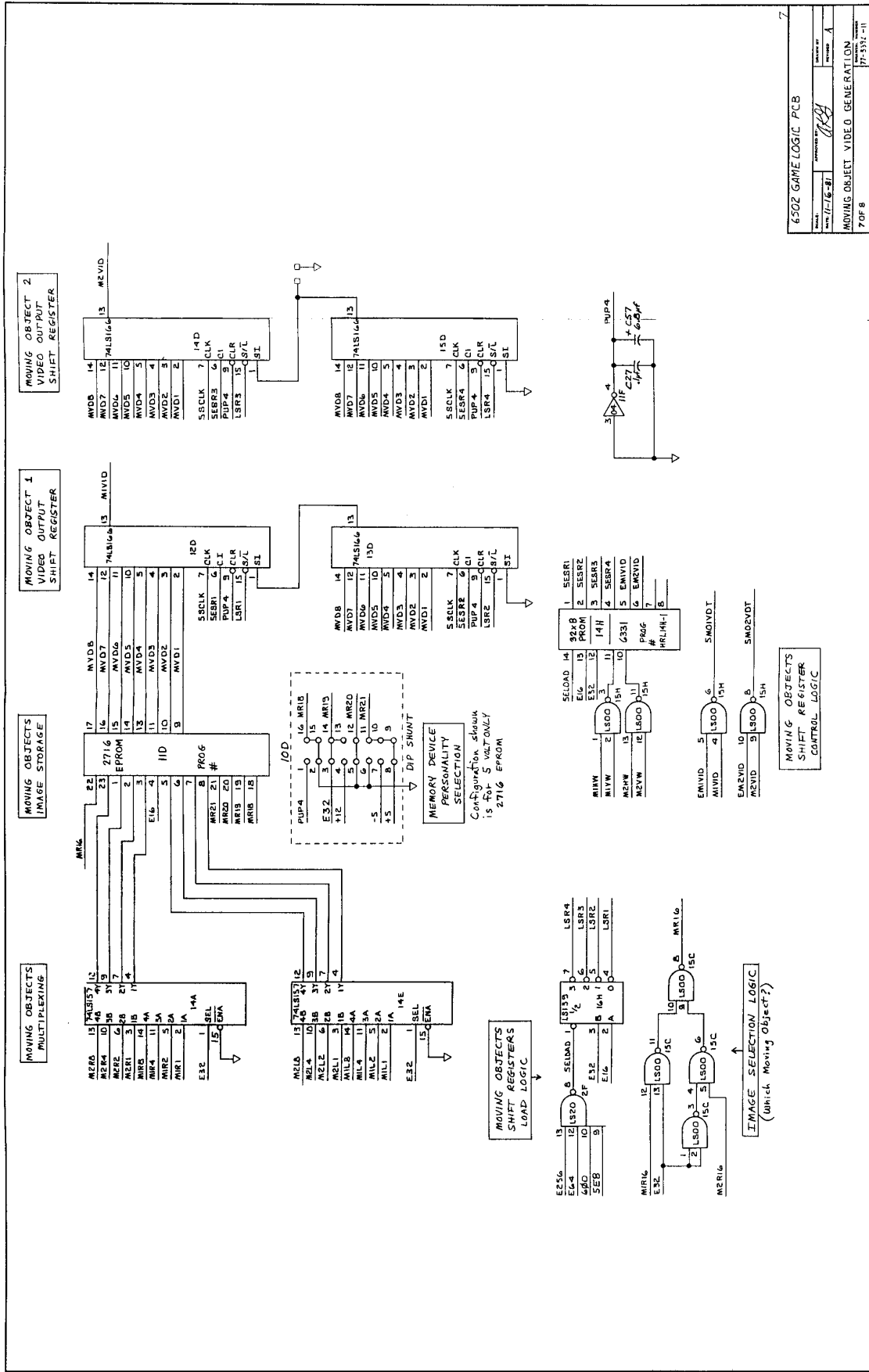
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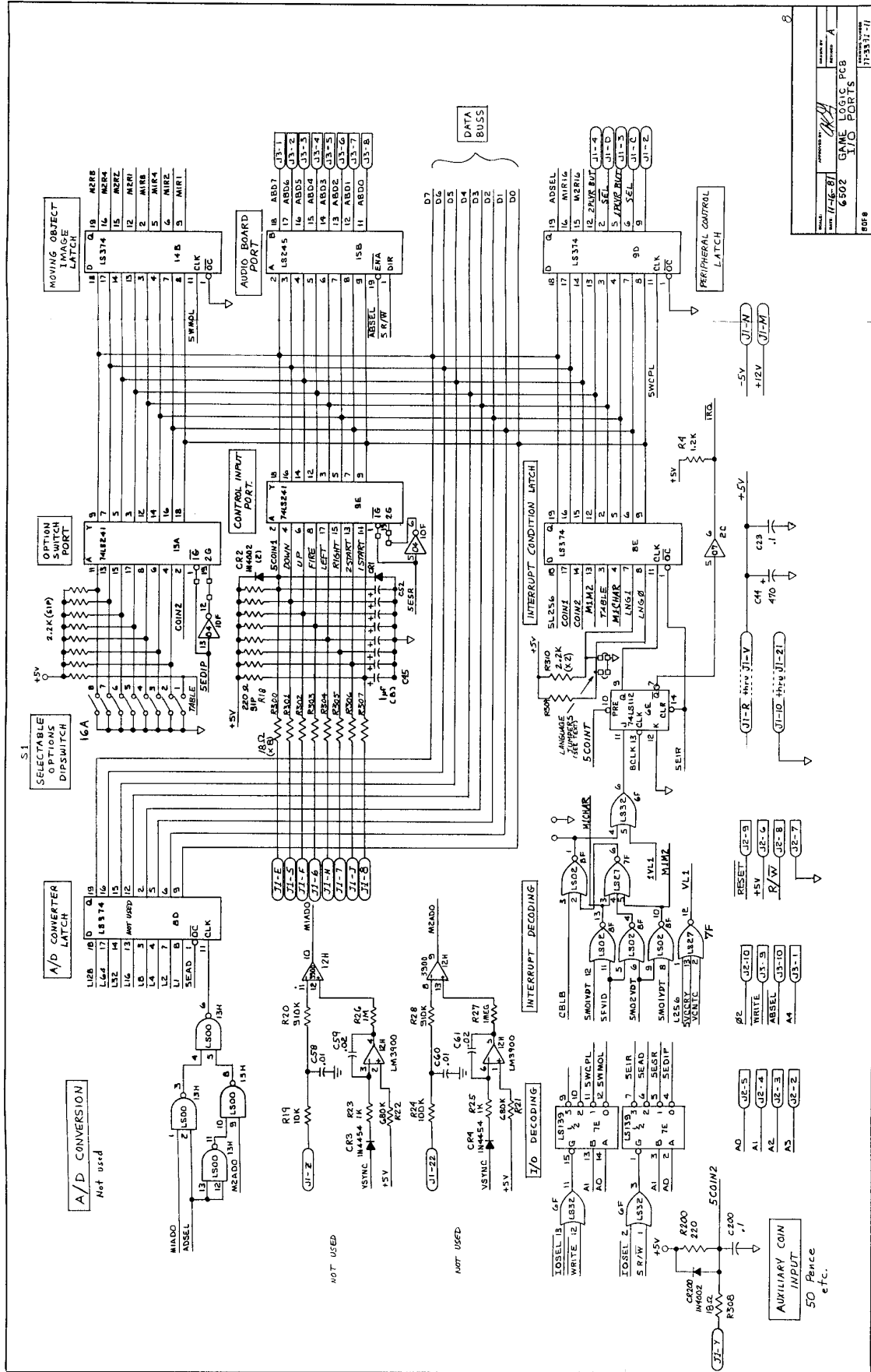
6502 GAME LOG CPU ROM

50F8

1/3/87



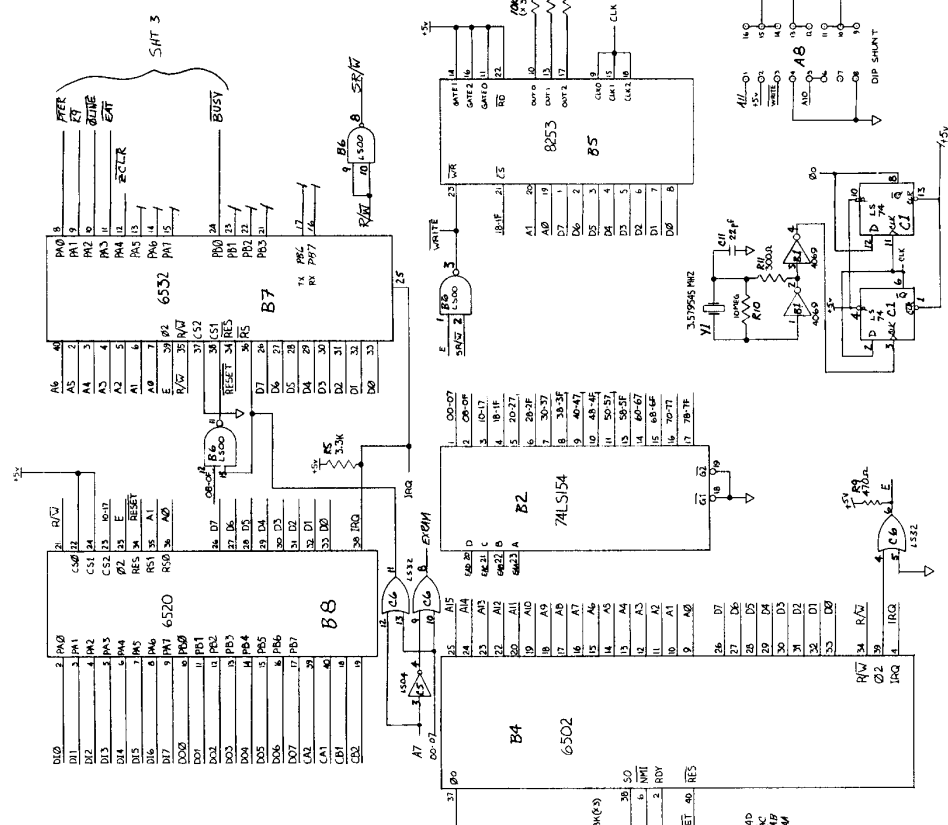




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|----------------|----------------|----------------|----------------|
| REVISED BY     | DATE           | REVISED BY     | DATE           |
| 11-16-81       | 11-16-81       | 11-16-81       | 11-16-81       |
| 6502           | 6502           | 6502           | 6502           |
| GAME LOGIC PCB | GAME LOGIC PCB | GAME LOGIC PCB | GAME LOGIC PCB |
| I/O PORTS      | I/O PORTS      | I/O PORTS      | I/O PORTS      |
| 80#            | 80#            | 80#            | 80#            |



1 2 3 4 5 6 7 8



|          |  |                |  |          |  |            |  |      |  |       |  |       |  |          |  |                                  |  |
|----------|--|----------------|--|----------|--|------------|--|------|--|-------|--|-------|--|----------|--|----------------------------------|--|
| PROPERTY |  | DESIGN DRAWING |  | DRAWN BY |  | CHECKED BY |  | DATE |  | SCALE |  | SHEET |  | REVISION |  | NOTES UNLESS OTHERWISE SPECIFIED |  |
| 1        |  | 2              |  | 3        |  | 4          |  | 5    |  | 6     |  | 7     |  | 8        |  | 9                                |  |
| 10       |  | 11             |  | 12       |  | 13         |  | 14   |  | 15    |  | 16    |  | 17       |  | 18                               |  |
| 19       |  | 20             |  | 21       |  | 22         |  | 23   |  | 24    |  | 25    |  | 26       |  | 27                               |  |
| 28       |  | 29             |  | 30       |  | 31         |  | 32   |  | 33    |  | 34    |  | 35       |  | 36                               |  |
| 37       |  | 38             |  | 39       |  | 40         |  | 41   |  | 42    |  | 43    |  | 44       |  | 45                               |  |
| 46       |  | 47             |  | 48       |  | 49         |  | 50   |  | 51    |  | 52    |  | 53       |  | 54                               |  |
| 55       |  | 56             |  | 57       |  | 58         |  | 59   |  | 60    |  | 61    |  | 62       |  | 63                               |  |
| 64       |  | 65             |  | 66       |  | 67         |  | 68   |  | 69    |  | 70    |  | 71       |  | 72                               |  |
| 73       |  | 74             |  | 75       |  | 76         |  | 77   |  | 78    |  | 79    |  | 80       |  | 81                               |  |
| 82       |  | 83             |  | 84       |  | 85         |  | 86   |  | 87    |  | 88    |  | 89       |  | 90                               |  |
| 91       |  | 92             |  | 93       |  | 94         |  | 95   |  | 96    |  | 97    |  | 98       |  | 99                               |  |
| 100      |  | 101            |  | 102      |  | 103        |  | 104  |  | 105   |  | 106   |  | 107      |  | 108                              |  |
| 109      |  | 110            |  | 111      |  | 112        |  | 113  |  | 114   |  | 115   |  | 116      |  | 117                              |  |
| 118      |  | 119            |  | 120      |  | 121        |  | 122  |  | 123   |  | 124   |  | 125      |  | 126                              |  |
| 127      |  | 128            |  | 129      |  | 130        |  | 131  |  | 132   |  | 133   |  | 134      |  | 135                              |  |
| 136      |  | 137            |  | 138      |  | 139        |  | 140  |  | 141   |  | 142   |  | 143      |  | 144                              |  |
| 145      |  | 146            |  | 147      |  | 148        |  | 149  |  | 150   |  | 151   |  | 152      |  | 153                              |  |
| 154      |  | 155            |  | 156      |  | 157        |  | 158  |  | 159   |  | 160   |  | 161      |  | 162                              |  |
| 163      |  | 164            |  | 165      |  | 166        |  | 167  |  | 168   |  | 169   |  | 170      |  | 171                              |  |
| 172      |  | 173            |  | 174      |  | 175        |  | 176  |  | 177   |  | 178   |  | 179      |  | 180                              |  |
| 181      |  | 182            |  | 183      |  | 184        |  | 185  |  | 186   |  | 187   |  | 188      |  | 189                              |  |
| 190      |  | 191            |  | 192      |  | 193        |  | 194  |  | 195   |  | 196   |  | 197      |  | 198                              |  |
| 199      |  | 200            |  | 201      |  | 202        |  | 203  |  | 204   |  | 205   |  | 206      |  | 207                              |  |
| 208      |  | 209            |  | 210      |  | 211        |  | 212  |  | 213   |  | 214   |  | 215      |  | 216                              |  |
| 217      |  | 218            |  | 219      |  | 220        |  | 221  |  | 222   |  | 223   |  | 224      |  | 225                              |  |
| 226      |  | 227            |  | 228      |  | 229        |  | 230  |  | 231   |  | 232   |  | 233      |  | 234                              |  |
| 235      |  | 236            |  | 237      |  | 238        |  | 239  |  | 240   |  | 241   |  | 242      |  | 243                              |  |
| 244      |  | 245            |  | 246      |  | 247        |  | 248  |  | 249   |  | 250   |  | 251      |  | 252                              |  |
| 253      |  | 254            |  | 255      |  | 256        |  | 257  |  | 258   |  | 259   |  | 260      |  | 261                              |  |
| 262      |  | 263            |  | 264      |  | 265        |  | 266  |  | 267   |  | 268   |  | 269      |  | 270                              |  |
| 271      |  | 272            |  | 273      |  | 274        |  | 275  |  | 276   |  | 277   |  | 278      |  | 279                              |  |
| 280      |  | 281            |  | 282      |  | 283        |  | 284  |  | 285   |  | 286   |  | 287      |  | 288                              |  |
| 289      |  | 290            |  | 291      |  | 292        |  | 293  |  | 294   |  | 295   |  | 296      |  | 297                              |  |
| 298      |  | 299            |  | 300      |  | 301        |  | 302  |  | 303   |  | 304   |  | 305      |  | 306                              |  |
| 307      |  | 308            |  | 309      |  | 310        |  | 311  |  | 312   |  | 313   |  | 314      |  | 315                              |  |
| 316      |  | 317            |  | 318      |  | 319        |  | 320  |  | 321   |  | 322   |  | 323      |  | 324                              |  |
| 325      |  | 326            |  | 327      |  | 328        |  | 329  |  | 330   |  | 331   |  | 332      |  | 333                              |  |
| 334      |  | 335            |  | 336      |  | 337        |  | 338  |  | 339   |  | 340   |  | 341      |  | 342                              |  |
| 343      |  | 344            |  | 345      |  | 346        |  | 347  |  | 348   |  | 349   |  | 350      |  | 351                              |  |
| 352      |  | 353            |  | 354      |  | 355        |  | 356  |  | 357   |  | 358   |  | 359      |  | 360                              |  |
| 361      |  | 362            |  | 363      |  | 364        |  | 365  |  | 366   |  | 367   |  | 368      |  | 369                              |  |
| 370      |  | 371            |  | 372      |  | 373        |  | 374  |  | 375   |  | 376   |  | 377      |  | 378                              |  |
| 379      |  | 380            |  | 381      |  | 382        |  | 383  |  | 384   |  | 385   |  | 386      |  | 387                              |  |
| 388      |  | 389            |  | 390      |  | 391        |  | 392  |  | 393   |  | 394   |  | 395      |  | 396                              |  |
| 397      |  | 398            |  | 399      |  | 400        |  | 401  |  | 402   |  | 403   |  | 404      |  | 405                              |  |
| 406      |  | 407            |  | 408      |  | 409        |  | 410  |  | 411   |  | 412   |  | 413      |  | 414                              |  |
| 415      |  | 416            |  | 417      |  | 418        |  | 419  |  | 420   |  | 421   |  | 422      |  | 423                              |  |
| 424      |  | 425            |  | 426      |  | 427        |  | 428  |  | 429   |  | 430   |  | 431      |  | 432                              |  |
| 433      |  | 434            |  | 435      |  | 436        |  | 437  |  | 438   |  | 439   |  | 440      |  | 441                              |  |
| 442      |  | 443            |  | 444      |  | 445        |  | 446  |  | 447   |  | 448   |  | 449      |  | 450                              |  |
| 451      |  | 452            |  | 453      |  | 454        |  | 455  |  | 456   |  | 457   |  | 458      |  | 459                              |  |
| 460      |  | 461            |  | 462      |  | 463        |  | 464  |  | 465   |  | 466   |  | 467      |  | 468                              |  |
| 469      |  | 470            |  | 471      |  | 472        |  | 473  |  | 474   |  | 475   |  | 476      |  | 477                              |  |
| 478      |  | 479            |  | 480      |  | 481        |  | 482  |  | 483   |  | 484   |  | 485      |  | 486                              |  |
| 487      |  | 488            |  | 489      |  | 490        |  | 491  |  | 492   |  | 493   |  | 494      |  | 495                              |  |
| 496      |  | 497            |  | 498      |  | 499        |  | 500  |  | 501   |  | 502   |  | 503      |  | 504                              |  |
| 505      |  | 506            |  | 507      |  | 508        |  | 509  |  | 510   |  | 511   |  | 512      |  | 513                              |  |
| 514      |  | 515            |  | 516      |  | 517        |  | 518  |  | 519   |  | 520   |  | 521      |  | 522                              |  |
| 523      |  | 524            |  | 525      |  | 526        |  | 527  |  | 528   |  | 529   |  | 530      |  | 531                              |  |
| 532      |  | 533            |  | 534      |  | 535        |  | 536  |  | 537   |  | 538   |  | 539      |  | 540                              |  |
| 541      |  | 542            |  | 543      |  | 544        |  | 545  |  | 546   |  | 547   |  | 548      |  | 549                              |  |
| 550      |  | 551            |  | 552      |  | 553        |  | 554  |  | 555   |  | 556   |  | 557      |  | 558                              |  |
| 559      |  | 560            |  | 561      |  | 562        |  | 563  |  | 564   |  | 565   |  | 566      |  | 567                              |  |
| 568      |  | 569            |  | 570      |  | 571        |  | 572  |  | 573   |  | 574   |  | 575      |  | 576                              |  |
| 577      |  | 578            |  | 579      |  | 580        |  | 581  |  | 582   |  | 583   |  | 584      |  | 585                              |  |
| 586      |  | 587            |  | 588      |  | 589        |  | 590  |  | 591   |  | 592   |  | 593      |  | 594                              |  |
| 595      |  | 596            |  | 597      |  | 598        |  | 599  |  | 600   |  | 601   |  | 602      |  | 603                              |  |
| 604      |  | 605            |  | 606      |  | 607        |  | 608  |  | 609   |  | 610   |  | 611      |  | 612                              |  |
| 613      |  | 614            |  | 615      |  | 616        |  | 617  |  | 618   |  | 619   |  | 620      |  | 621                              |  |
| 622      |  | 623            |  | 624      |  | 625        |  | 626  |  | 627   |  | 628   |  | 629      |  | 630                              |  |
| 631      |  | 632            |  | 633      |  | 634        |  | 635  |  | 636   |  | 637   |  | 638      |  | 639                              |  |
| 640      |  | 641            |  | 642      |  | 643        |  | 644  |  | 645   |  | 646   |  | 647      |  | 648                              |  |
| 649      |  | 650            |  | 651      |  | 652        |  | 653  |  | 654   |  | 655   |  | 656      |  | 657                              |  |
| 658      |  | 659            |  | 660      |  | 661        |  | 662  |  | 663   |  | 664   |  | 665      |  | 666                              |  |
| 667      |  | 668            |  | 669      |  | 670        |  | 671  |  | 672   |  | 673   |  | 674      |  | 675                              |  |
| 676      |  | 677            |  | 678      |  | 679        |  | 680  |  | 681   |  | 682   |  | 683      |  | 684                              |  |
| 685      |  | 686            |  | 687      |  | 688        |  | 689  |  | 690   |  | 691   |  | 692      |  | 693                              |  |
| 694      |  | 695            |  | 696      |  | 697        |  | 698  |  | 699   |  | 700   |  | 701      |  | 702                              |  |
| 703      |  | 704            |  | 705      |  | 706        |  | 707  |  | 708   |  | 709   |  | 710      |  | 711                              |  |
| 712      |  | 713            |  | 714      |  | 715        |  | 716  |  | 717   |  | 718   |  | 719      |  | 720                              |  |
| 721      |  | 722            |  | 723      |  | 724        |  | 725  |  | 726   |  | 727   |  | 728      |  | 729                              |  |
| 730      |  | 731            |  | 732      |  | 733        |  | 734  |  | 735   |  | 736   |  | 737      |  | 738                              |  |
| 739      |  | 740            |  | 741      |  | 742        |  | 743  |  | 744   |  | 745   |  | 746      |  | 747                              |  |
| 748      |  | 749            |  | 750      |  | 751        |  | 752  |  | 753   |  | 754   |  | 755      |  | 756                              |  |
| 757      |  | 758            |  | 759      |  | 760        |  | 761  |  | 762   |  | 763   |  | 764      |  | 765                              |  |
| 766      |  | 767            |  | 768      |  | 769        |  | 770  |  | 771   |  | 772   |  | 773      |  | 774                              |  |
| 775      |  | 776            |  | 777      |  | 778        |  | 779  |  | 780   |  | 781   |  | 782      |  | 783                              |  |
| 784      |  | 785            |  | 786      |  | 787        |  | 788  |  | 789   |  | 790   |  | 791      |  | 792                              |  |
| 793      |  | 794            |  | 795      |  | 796        |  | 797  |  | 798   |  | 799   |  | 800      |  | 801                              |  |
| 802      |  | 803            |  | 804      |  | 805        |  | 806  |  | 807   |  | 808   |  | 809      |  | 810                              |  |
| 811      |  | 812            |  | 813      |  | 814        |  | 815  |  | 816   |  | 817   |  | 818      |  | 819                              |  |
| 820      |  | 821            |  | 822      |  | 823        |  | 824  |  | 825   |  | 826   |  | 827      |  | 828                              |  |
| 829      |  | 830            |  | 831      |  | 832        |  | 833  |  | 834   |  | 835   |  | 836      |  | 837                              |  |
| 838      |  | 839            |  | 840      |  | 841        |  | 842  |  | 843   |  | 844   |  | 845      |  | 846                              |  |
| 847      |  | 848            |  | 849      |  | 850        |  | 851  |  | 852   |  | 853   |  | 854      |  | 855                              |  |
| 856      |  | 857            |  | 858      |  | 859        |  | 860  |  | 861   |  | 862   |  | 863      |  | 864                              |  |
| 865      |  | 866            |  | 867      |  | 868        |  | 869  |  | 870   |  | 871   |  | 872      |  | 873                              |  |
| 874      |  | 875            |  | 876      |  | 877        |  | 878  |  | 879   |  | 880   |  | 881      |  | 882                              |  |
| 883      |  | 884            |  | 885      |  | 886        |  | 887  |  | 888   |  | 889   |  | 890      |  | 891                              |  |
| 892      |  | 893            |  | 894      |  | 895        |  | 896  |  | 897   |  | 898   |  | 899      |  | 900                              |  |
| 901      |  | 902            |  | 903      |  | 904        |  | 905  |  | 906   |  | 907   |  | 908      |  | 909                              |  |
| 910      |  | 911            |  | 912      |  | 913        |  | 914  |  | 915   |  | 916   |  | 917      |  | 918                              |  |
| 919      |  | 920            |  | 921      |  | 922        |  | 923  |  | 924   |  | 925   |  | 926      |  | 927                              |  |
| 928      |  | 929            |  | 930      |  | 931        |  | 932  |  | 933   |  | 934   |  | 935      |  | 936                              |  |
| 937      |  | 938            |  | 939      |  | 940        |  | 941  |  | 942   |  | 943   |  | 944      |  | 945                              |  |
| 946      |  | 947            |  | 948      |  | 949        |  | 950  |  | 951   |  | 952   |  | 953      |  | 954                              |  |
| 955      |  | 956            |  | 957      |  | 958        |  | 959  |  | 960   |  | 961   |  | 962      |  | 963                              |  |
| 964      |  | 965            |  | 966      |  | 967        |  | 968  |  | 969   |  | 970   |  | 971      |  | 972                              |  |
| 973      |  | 974            |  | 975      |  | 976        |  | 977  |  | 978   |  | 979   |  | 980      |  | 981                              |  |
| 982      |  | 983            |  | 984      |  | 985        |  | 986  |  | 987   |  | 988   |  | 989      |  | 990                              |  |
| 991      |  | 992            |  | 993      |  | 994        |  | 995  |  | 996   |  | 997   |  | 998      |  | 999                              |  |
| 1000     |  | 1001           |  | 1002     |  | 1003       |  | 1004 |  | 1005  |  | 1006  |  | 1007     |  | 1008                             |  |
| 1009     |  | 1010           |  | 1011     |  | 1012       |  | 1013 |  | 1014  |  | 1015  |  | 1016     |  | 1017                             |  |
| 1018     |  | 1019           |  | 1020     |  | 1021       |  | 1022 |  | 1023  |  | 1024  |  | 1025     |  | 1026                             |  |
| 1027     |  | 1028           |  | 1029     |  | 1030       |  | 1031 |  | 1032  |  | 1033  |  | 1034     |  | 1035                             |  |
| 1036     |  | 1037           |  | 1038     |  | 1039       |  | 1040 |  | 1041  |  | 1042  |  | 1043     |  | 1044                             |  |
| 1045     |  | 1046           |  | 1047     |  | 1048       |  | 1049 |  | 1050  |  | 1051  |  | 1052     |  | 1053                             |  |
| 1054     |  | 1055           |  | 1056     |  | 1057       |  | 1058 |  | 1059  |  | 1060  |  | 1061     |  | 1062                             |  |
| 1063     |  | 1064           |  | 1065     |  | 1066       |  | 1067 |  | 1068  |  | 1069  |  | 1070     |  | 1071                             |  |
| 1072     |  | 1073           |  | 1074     |  | 1075       |  | 1076 |  |       |  |       |  |          |  |                                  |  |

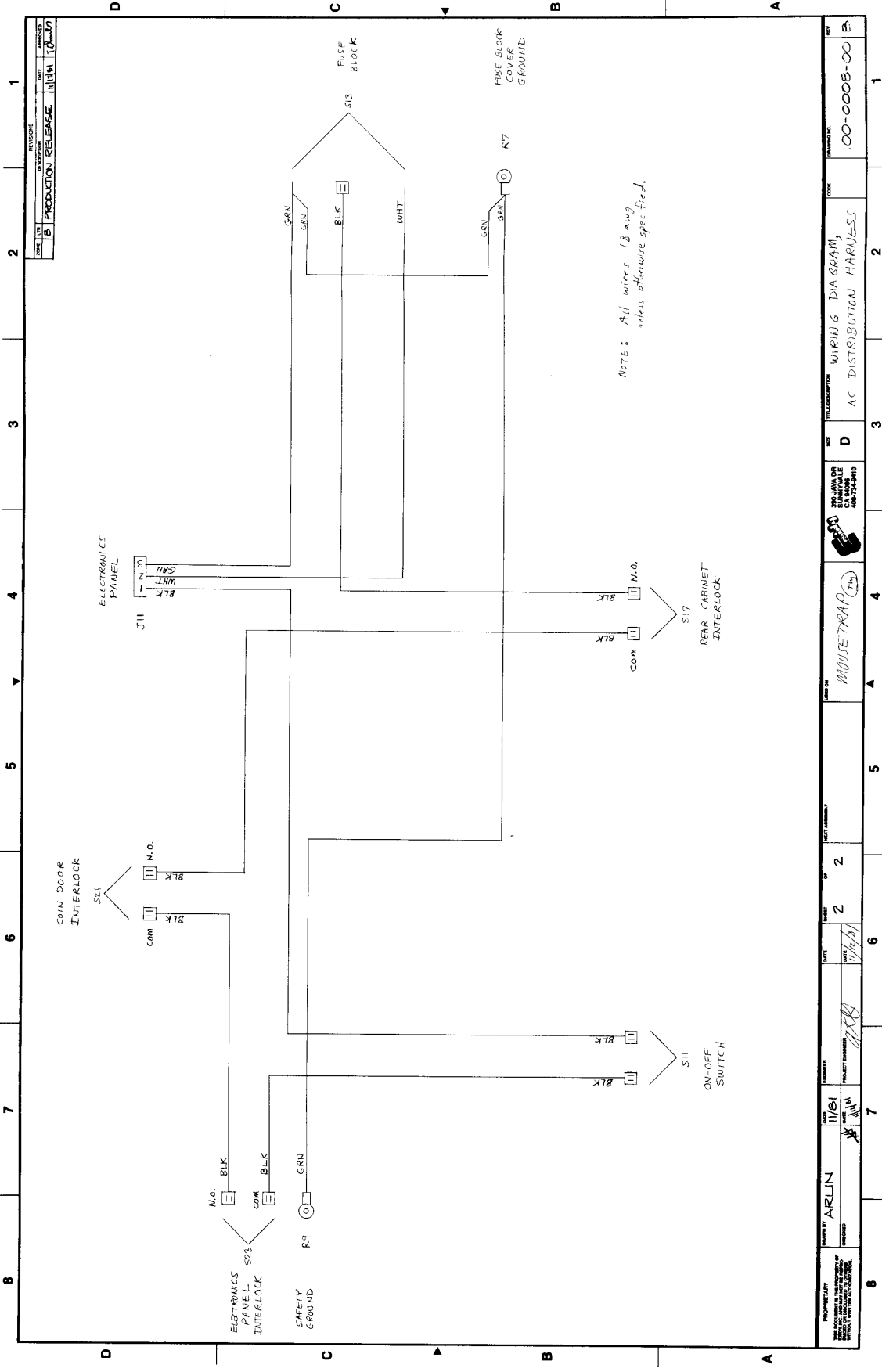






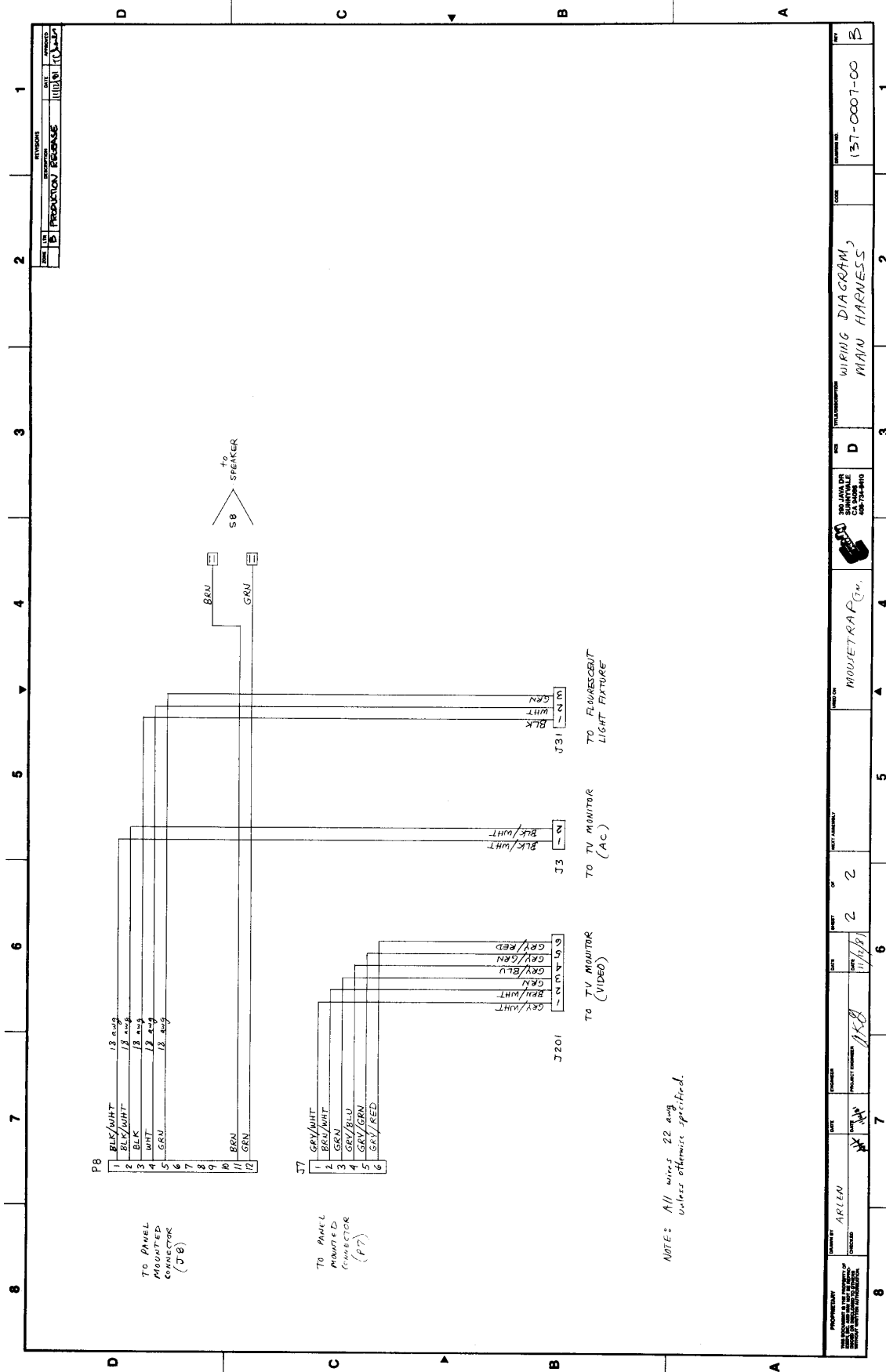


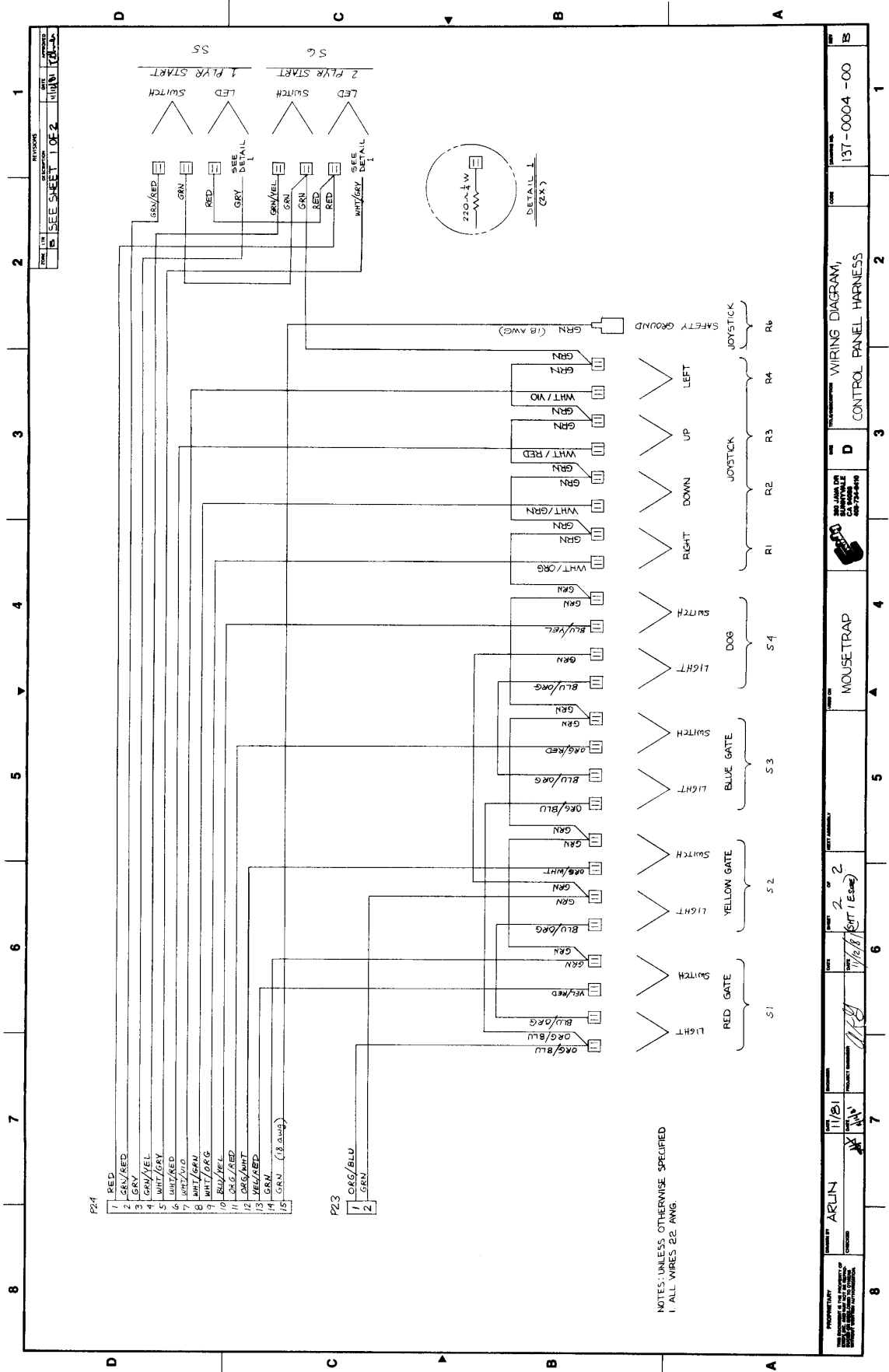




| REV | DATE     | DESCRIPTION        |
|-----|----------|--------------------|
| 1   | 11/11/77 | PRODUCTION RELEASE |

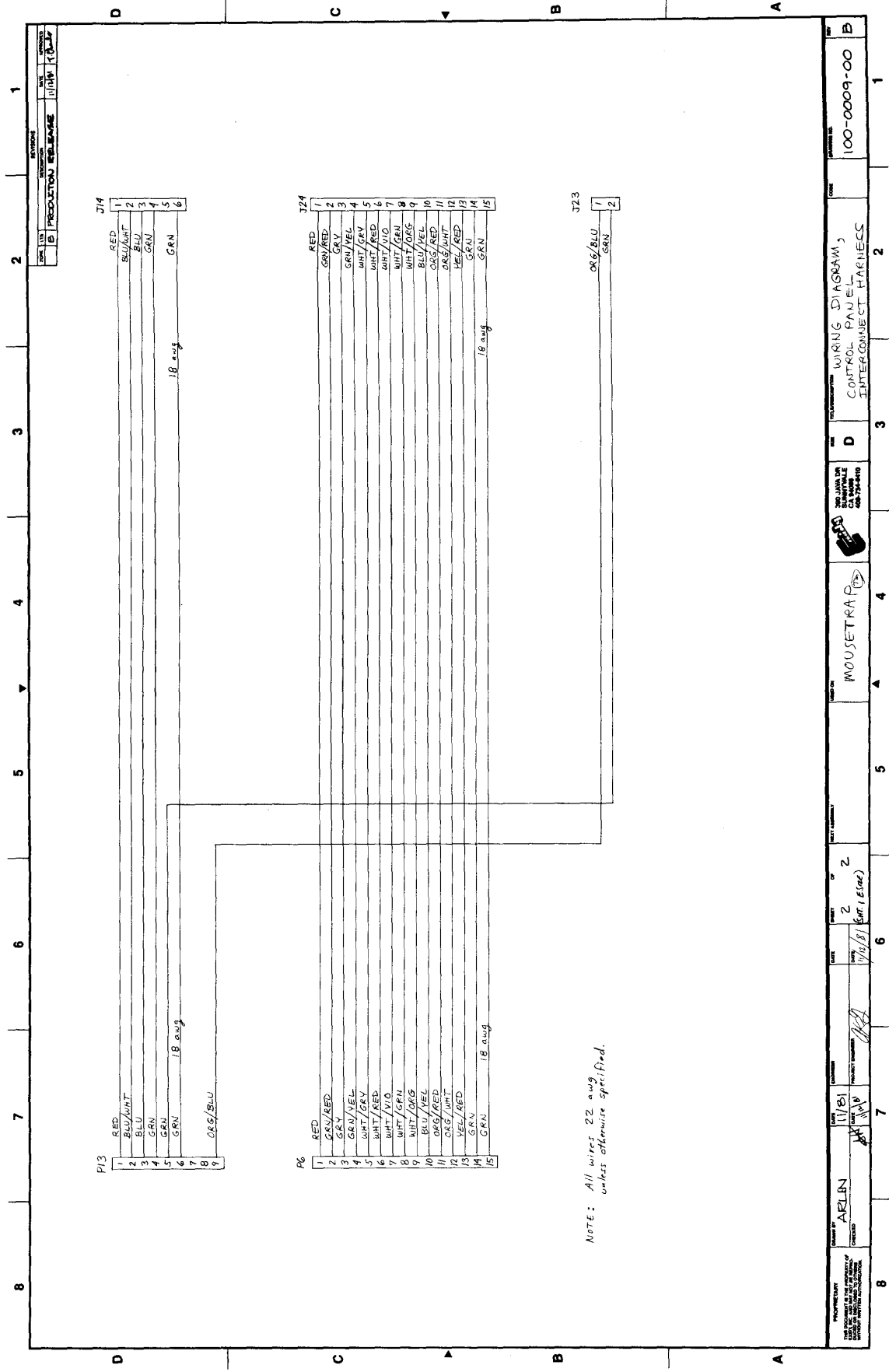
|                |                                         |
|----------------|-----------------------------------------|
| PROJECT NAME   | WIRING DIAGRAM, AC DISTRIBUTION HARNESS |
| PROJECT NUMBER | 100-0008-00                             |
| DATE           | 11/11/77                                |
| DESIGNED BY    | ARLIN                                   |
| CHECKED BY     | ARLIN                                   |
| DATE           | 11/11/77                                |
| PROJECT NUMBER | 100-0008-00                             |
| DATE           | 11/11/77                                |
| DESIGNED BY    | ARLIN                                   |
| CHECKED BY     | ARLIN                                   |
| DATE           | 11/11/77                                |
| PROJECT NUMBER | 100-0008-00                             |





NOTES: UNLESS OTHERWISE SPECIFIED  
1. ALL WIRES 22 AWG

|                                                                                                                                                                                        |  |                   |                   |                 |                 |                            |                                                       |                            |                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|-------------------|-----------------|-----------------|----------------------------|-------------------------------------------------------|----------------------------|-------------------------------------------------------|
| PROPERTY<br>THIS PROPERTY IS THE PROPERTY OF<br>THE U.S. GOVERNMENT<br>AND IS NOT TO BE LOANED, REPRODUCED, OR<br>COPIED IN ANY MANNER WITHOUT<br>AUTHORIZATION OF THE U.S. GOVERNMENT |  | DRAWN BY<br>ARLIN | CHECKED BY<br>TTB | DATE<br>1/18/80 | SHEET<br>2 OF 2 | PART NUMBER<br>137-0004-00 | PART NAME<br>WIRING DIAGRAM,<br>CONTROL PANEL HARNESS | PART NUMBER<br>137-0004-00 | PART NAME<br>WIRING DIAGRAM,<br>CONTROL PANEL HARNESS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|-------------------|-----------------|-----------------|----------------------------|-------------------------------------------------------|----------------------------|-------------------------------------------------------|



NOTE: All wires 22 awg, frd.

|                      |               |                         |                |                           |                |                               |                                                                   |                |
|----------------------|---------------|-------------------------|----------------|---------------------------|----------------|-------------------------------|-------------------------------------------------------------------|----------------|
| PREPARED BY<br>ARLIN | DATE<br>11/81 | DRAWN BY<br>[Signature] | DATE<br>1/1/81 | CHECKED BY<br>[Signature] | DATE<br>1/1/81 | PROJECT NUMBER<br>100-0009-00 | TITLE<br>WIRING DIAGRAM,<br>CONTROL PANEL<br>INTERCONNECT HARNESS | SHEET NO.<br>1 |
|----------------------|---------------|-------------------------|----------------|---------------------------|----------------|-------------------------------|-------------------------------------------------------------------|----------------|