



INSTRUCTION MANUAL

Service #

708-215-5100

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PUNKSHOT PARTS LIST

Part #	Description
30119	Green Button
30113	Orange Button
30202	Switch Holder
30250	Palnut
30306	Green Joy Stick
30322	Orange Joy Stick
40355	Monitor Plexi
40601	FCC Cage
963011	DC Harness
907400	Manual
907100	Control Panel Overlay
907200	Marquee
907101	Player Instructions
907300	Upper Right Side Decal
907301	Lower Left Side Decal
907302	Lower Right Side Decal
907303	Upper Left Side Decal
907102	Kit Control Panel Overlay
40904	Kit Harness
821700	19" Monitor Bezel

PUNKSHOT WIRING HARNESS—4 PLAYER VERSION ONLY

WIRE COLOR KEY:

		Solder Side		Parts Side
BLACK	GND	A	1	GND
BLACK	GND	B	2	GND
RED	+5V DC	C	3	+5V DC
RED	+5V DC	D	4	+5V DC
	NOT USED	E	5	NOT USED
ORANGE	+ 12V DC	F	6	+ 12V DC
	*KEY	H	7	*KEY
	(EMPTY)	J	8	COIN COUNTER
	(EMPTY)	K	9	(EMPTY)
YELLOW	SPEAKER (-)	L	10	SPEAKER (+)
	(EMPTY)	M	11	(EMPTY)
WHITE/GREEN	VIDEO GREEN	N	12	VIDEO RED
WHITE	VIDEO SYNC	P	13	VIDEO BLUE
	(EMPTY)	R	14	VIDEO GROUND
	(EMPTY)	S	15	(EMPTY)
VIOLET/WHITE	COIN 2	T	16	COIN 1
	NOT USED	U	17	NOT USED
BLUE/YELLOW	2P UP	V	18	1P UP
VIOLET/YELLOW	2P DOWN	W	19	1P DOWN
ORANGE/GREEN	2P LEFT	X	20	1P LEFT
ORANGE/YELLOW	2P RIGHT	Y	21	1P RIGHT
BLACK/YELLOW	2P PASS	Z	22	1P PASS
ORANGE/GRAY	2P SHOOT	a	23	1P SHOOT
	NOT USED	b	24	NOT USED
	NOT USED	c	25	NOT USED
	NOT USED	d	26	NOT USED
BLACK	GND	e	27	GND
BLACK	GND	f	28	GND

(BASE COLOR/LINE COLOR)

2 PLAYER KIT WIRING ON PAGE 9

PUNKSHOT SUB HARNESS FOR 3 PLAYERS & 4 PLAYERS 4 PLAYER VERSION ONLY

CN2	3P	CONTROLS	1	Coin 3	White/Violet
			2	Empty	
			3	3P Left	White/Red
			4	3P Right	White/Yellow
			5	3P Up	White/Black
			6	3P Down	White/Blue
			7	3P Pass	White/Brown
			8	3P Shoot	White/Orange
			9	Empty	
			10	Empty	
			11	Empty	
			12	Empty	
			13	Empty	
			14	Empty	
			15	Ground	Black
CN3	4P	CONTROLS	1	Coin 4	Blue
			2	Empty	
			3	4P Left	Yellow/Black
			4	4P Right	Brown/Black
			5	4P Up	Green/Yellow
			6	4P Down	Yellow/Red
			7	4P Pass	Yellow/White
			8	4P Shoot	Yellow/Blue
			9	Empty	
			10	Empty	
			11	Empty	
			12	Empty	
			13	Empty	
			14	Empty	
			15	Ground	Black

PUNKSHOT DIP SWITCH SETTINGS

DIP SWITCH NO. 1 SETTINGS

1. COIN SWITCH NO. 1 SETTINGS

SW	1	2	3	4	COIN	CREDIT		
O	OFF	OFF	OFF	OFF	1	1		
	ON				1	2		
	OFF	ON			1	3		
	ON				1	4		
	OFF	OFF	ON	OFF	1	5		
	ON				1	6		
	OFF	ON			1	7		
	ON				2	1		
	OFF	OFF	ON	ON	2	3		
	ON				2	5		
	OFF	ON			3	1		
	ON				3	2		
	OFF	OFF	ON	ON	3	4		
	ON				4	1		
	OFF	ON			4	3		
	ON				5	1		

Set No. 5, 6, 7, 8 OFF in Dip Switch No. 1

Put Dip Switch No. 5 to ON to give
“1 coin = CONTINUE.”

Notice: For 50¢ Start 25¢ Continue
Set Dip Switch Bank one as shown.

1	2	3	4	5	6	7	8
O	O	O	O	O	O	O	O
N	N	N	F	N	N	N	N

DIP SWITCH NO. 2 SETTINGS

1. LIFE ENERGY

SW	1	2	LIFE ENERGY
O	OFF	OFF	30
	ON		40
	OFF	ON	50
	ON		60

2. QUARTER TIME

SW	3	4	QUARTER TIME
O	OFF	OFF	2 MINUTES
	ON		3 MINUTES
	OFF	ON	4 MINUTES
	ON		5 MINUTES

3. DIFFICULTY OF THE GAME

SW	6	7	DIFFICULTY
O	OFF	OFF	EASY
	ON		NORMAL
	OFF	ON	DIFFICULT
	ON		VERY DIFFICULT

4. SOUND IN ATTRACTIVE MODE

SW	8	SOUND
O	OFF	OFF
	ON	ON

SW5 are not used.

DIP SWITCH NO. 3 SETTINGS

1. VIDEO SCREEN FLIP

SW	1	SCREEN
O	OFF	NORMAL
	ON	UPSIDE DOWN

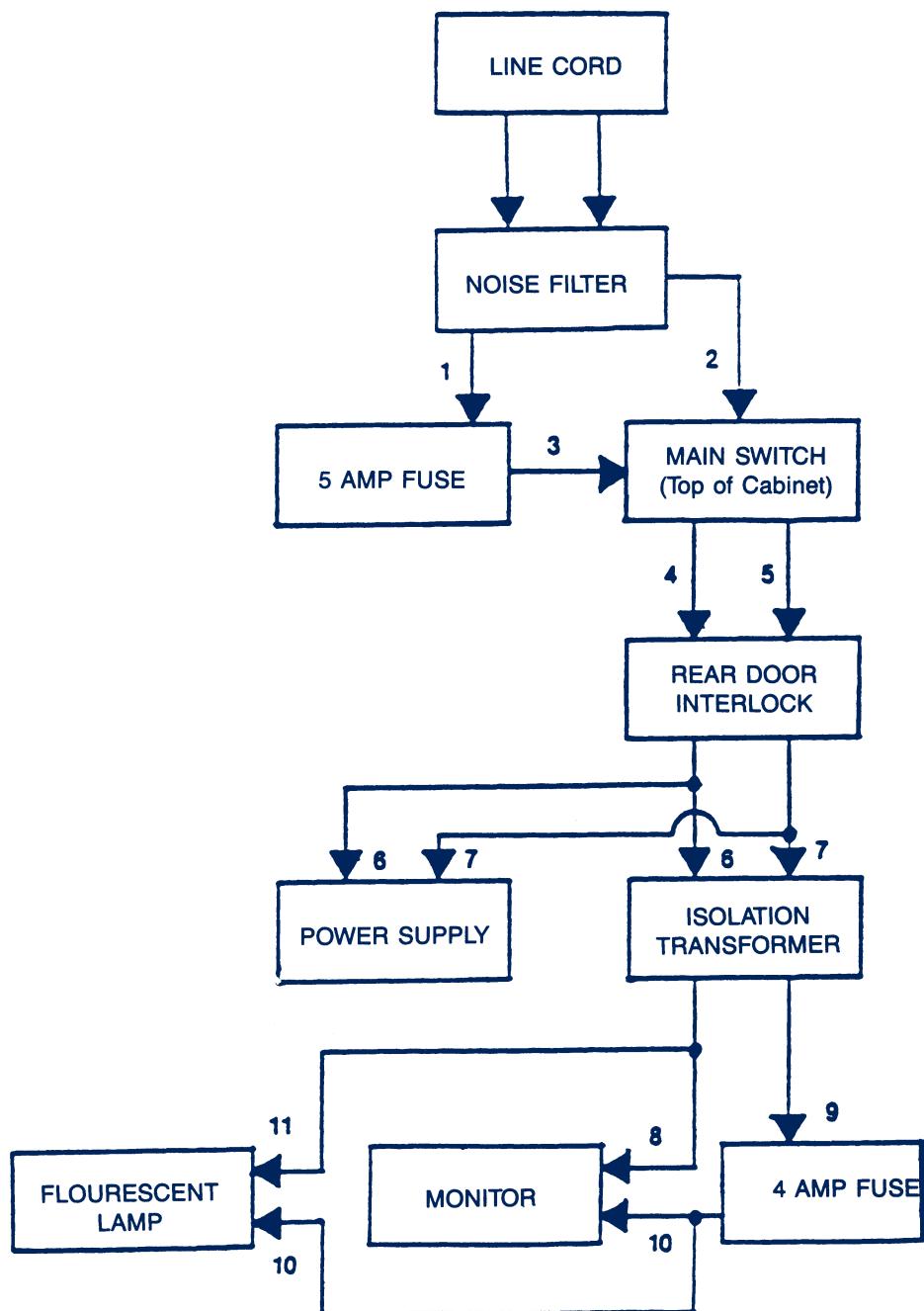
2. CHANGE OF MODE

SW	3	MODE
O	OFF	GAME
	ON	TEST

SW2 and SW4 are not used and should be kept OFF.
O shows recommended settings.

PUNKSHOT: AC FLOW CHART 4 PLAYER DEDICATED UPRIGHT ONLY

1. GREEN/YELLOW
2. BLACK
3. RED
4. BLUE
5. BROWN
6. RED/BLACK
7. BLACK/WHITE
8. WHITE
9. GREEN
10. VIOLET
11. ORANGE



SPEAKER WIRING FOR KITS ONLY STEREO NOT UTILIZED ON DEDICATED UPRITES

STEREO/MONO SOUND INSTALLATION

Konami introduces stereo sound.

Please read instructions carefully. If your video cabinet doesn't utilize two speakers, follow instructions for mono output.

TECHNICAL INFORMATION

Adjusting Sound Volume

In stereo specifications, adjust volume of each speaker separately (L and R).

In monaural specifications, use R-volume switch to adjust volume. L-volume switch is irrelevant to volume.
By R VOLUME.

HOW TO CHANGE TO MONAURAL/STEREO

*Note: Mono & Stereo sound *cannot* operate simultaneously.

For Mono Sound

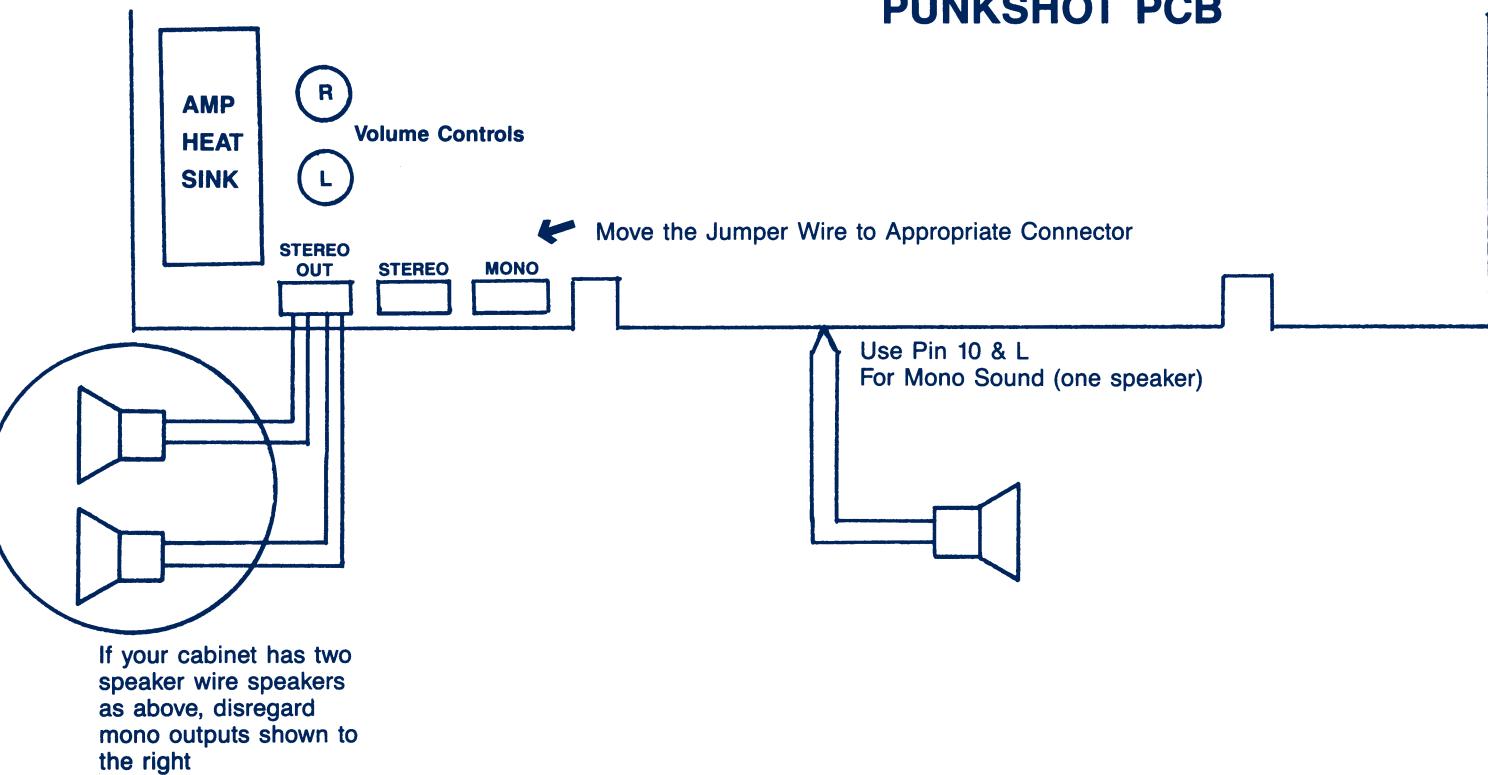
Use pin #10 and L of the 56 pin edge connector to the speaker contacts.

Also connect Jumper connector into CN4.

For Stereo Sound

Use connector CN6 as your speaker output ports connect pins 1 & 2 to the left speaker pins 3 & 4 to the right speakers.

Also connect Jumper connector to CN5.



PUNKSHOT WIRING DIAGRAM—2 PLAYER KIT ONLY

WIRE COLOR KEY:

Solder Side ← → Parts Side

BLACK	GND	A	1	BLACK
BLACK	GND	B	2	BLACK
RED	+5V DC	C	3	RED
RED	+5V DC	D	4	RED
BLUE	NOT USED	E	5	BLUE
ORANGE	+ 12V DC	F	6	ORANGE
	*KEY	H	7	
WHITE/RED	COIN COUNTER 2	J	8	WHITE/BLACK
	(EMPTY)	K	9	(EMPTY)
RED/BLACK	SPEAKER	L	10	RED/YELLOW
	(EMPTY)	M	11	(EMPTY)
GREEN	VIDEO GREEN	N	12	RED
WHITE	VIDEO SYNC	P	13	BLUE
WHITE/ORANGE	SERVICE SW	R	14	BLACK
BLACK/WHITE	(EMPTY)	S	15	WHITE/BROWN
BROWN/BLACK	COIN 2	T	16	YELLOW/BLACK
RED/WHITE	2P START	U	17	RED
BLUE/WHITE	2P UP	V	18	BLUE
GREEN/WHITE	2P DOWN	W	19	GREEN
ORANGE/WHITE	2P LEFT	X	20	ORANGE
YELLOW/WHITE	2P RIGHT	Y	21	YELLOW
BROWN/WHITE	2P PASS	Z	22	BROWN
VIOLET/WHITE	2P SHOOT	a	23	VIOLET
GRAY/WHITE	NOT USED	b	24	GRAY
	NOT USED	c	25	
	NOT USED	d	26	
BLACK	GND	e	27	BLACK
BLACK	GND	f	28	BLACK

(BASE COLOR/LINE COLOR)

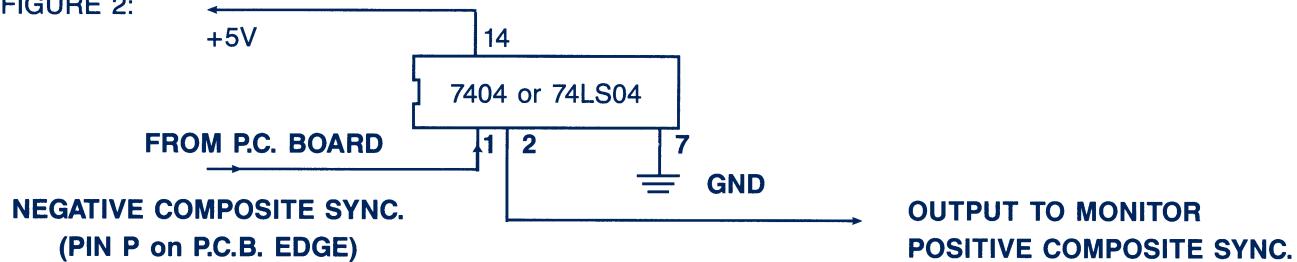
PUNKSHOT TECHNICAL INFORMATION

Punkshot requires horizontally mounted monitor. It also generates composite negative sync. If your monitor is composite positive sync, you will have to change to composite negative sync.

To alternate composite positive sync to composite negative sync, use 7404 IC or 74LS04 IC. The signal on the output pin from the P.C.B. is a combination of H-sync and V-sync.

NOTE: Please refer to Figure 2.

FIGURE 2:



(+5V and GND should be taken out of the P.C. Board.)

TROUBLE SHOOTING GUIDE

PROBLEM:

POSSIBLE SOLUTION

No Screen or Constant Reset	<ol style="list-style-type: none">1). Check +5V line at the P.C.B. Adjust if necessary.2). Make sure all socketed eproms and custom IC's are seated securely. Apply light pressure to secure.3). Check harness to be sure it is not on backwards.
No Sound	<ol style="list-style-type: none">1). Check +12V line at the P.C.B.2). Make sure both speaker out wires are connected to the speakers. (DO NOT CONNECT A GROUND.)
Distorted Sound	<ol style="list-style-type: none">1). Replace cabinet speaker.
I/O Problem (coin 1 doesn't work or Joystick Up doesn't work, etc.)	<ol style="list-style-type: none">1). Do not hook a coin counter to the coin 1 or coin 2 outputs. This will cause damage.2). Check your schematic for the 74LS253 IC that corresponds to your I/O problem. Check the appropriate pin with a scope or multimeter for a high output (5V), if output is low replace the 74LS253.

CAUTION

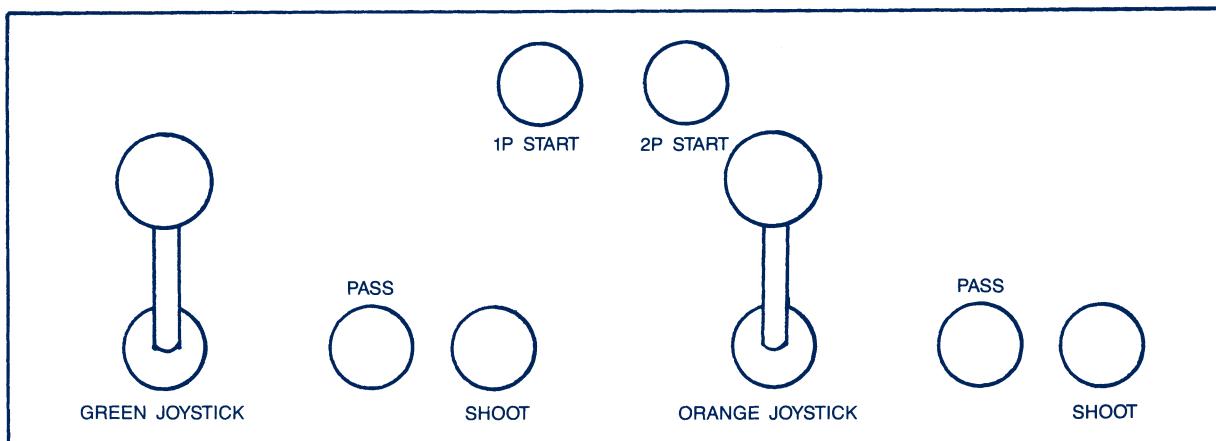
DO NOT WIRE COIN COUNTERS TO THE COIN 1 OR COIN 2 OUTPUTS. THIS WILL CAUSE DAMAGE TO THE I/O MICROCHIP 74LS253. COIN COUNTERS CAN ONLY BE WIRED TO COIN COUNTER OUTPUTS.

PUNKSHOT 2 PLAYER KIT INFORMATION

TECHNICAL INFORMATION

- (1) Required power capacity
GND-Vcc 5V 4A or more
GND-(+12V)
*See the Wiring Diagram.
- (2) Output
R (red) analog, positive
G (green) analog, positive
B (blue) analog, positive
SYNC. H-V complexed, negative
- (3) The monitor should be horizontally installed.
- (4) Use the volume knob on the PCB to adjust sound level.
Turn the knob clockwise and it becomes louder.
- (5) Handle with care.

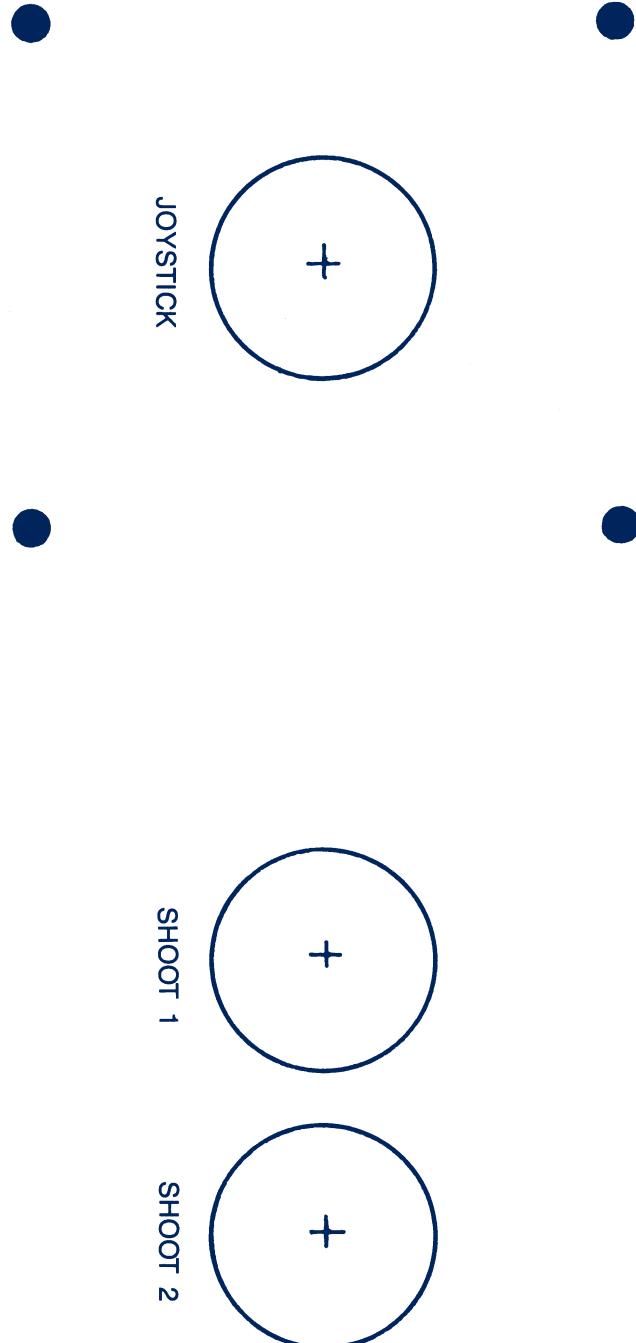
RECOMMENDED CONTROL PANEL LAYOUT



CONTROL PANEL DRILLING TEMPLATE

Button Hole Size 1-3/16 Inch

Use this Template for Player 1 and Player 2 Controls



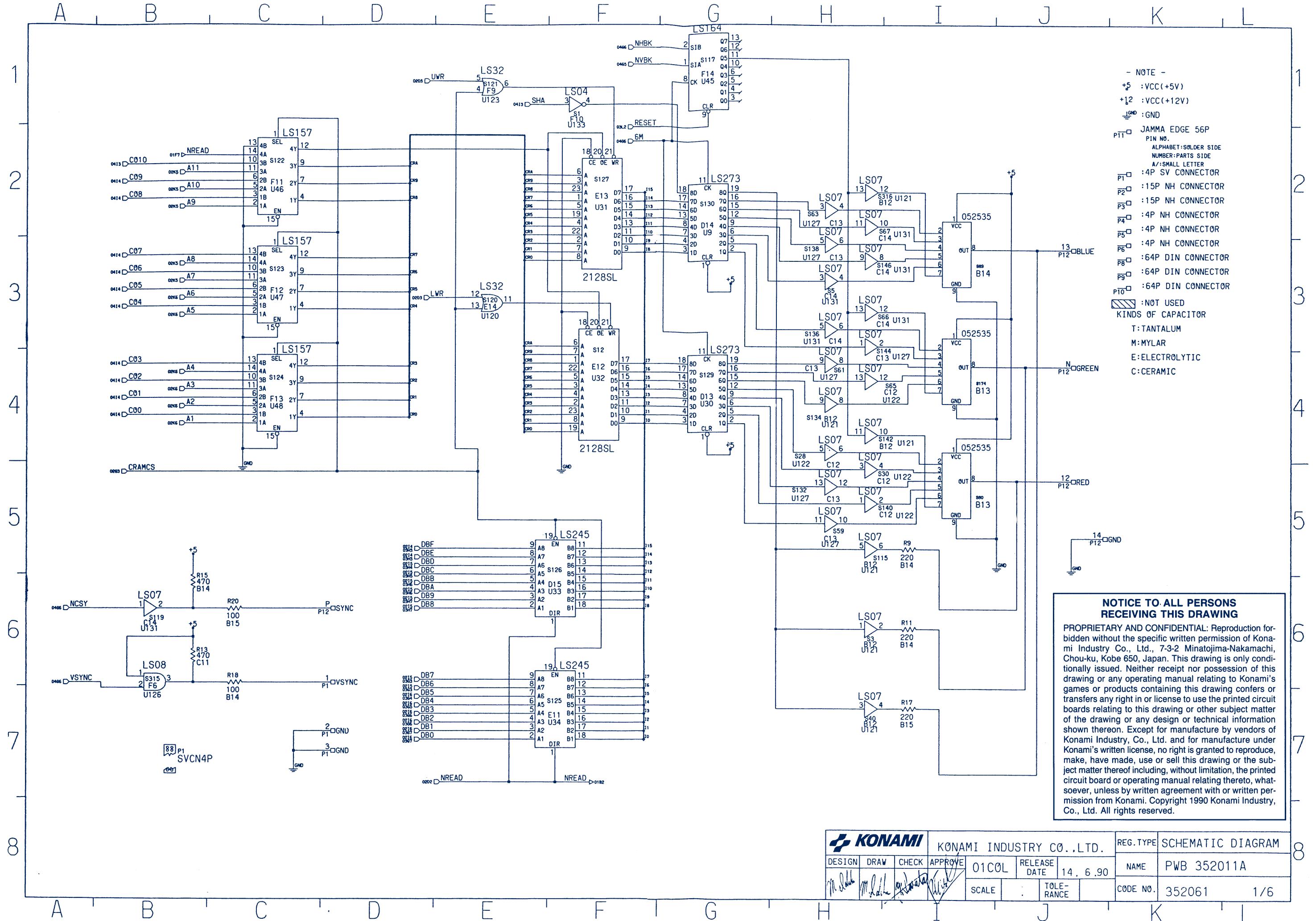
USER INFORMATION WARNING

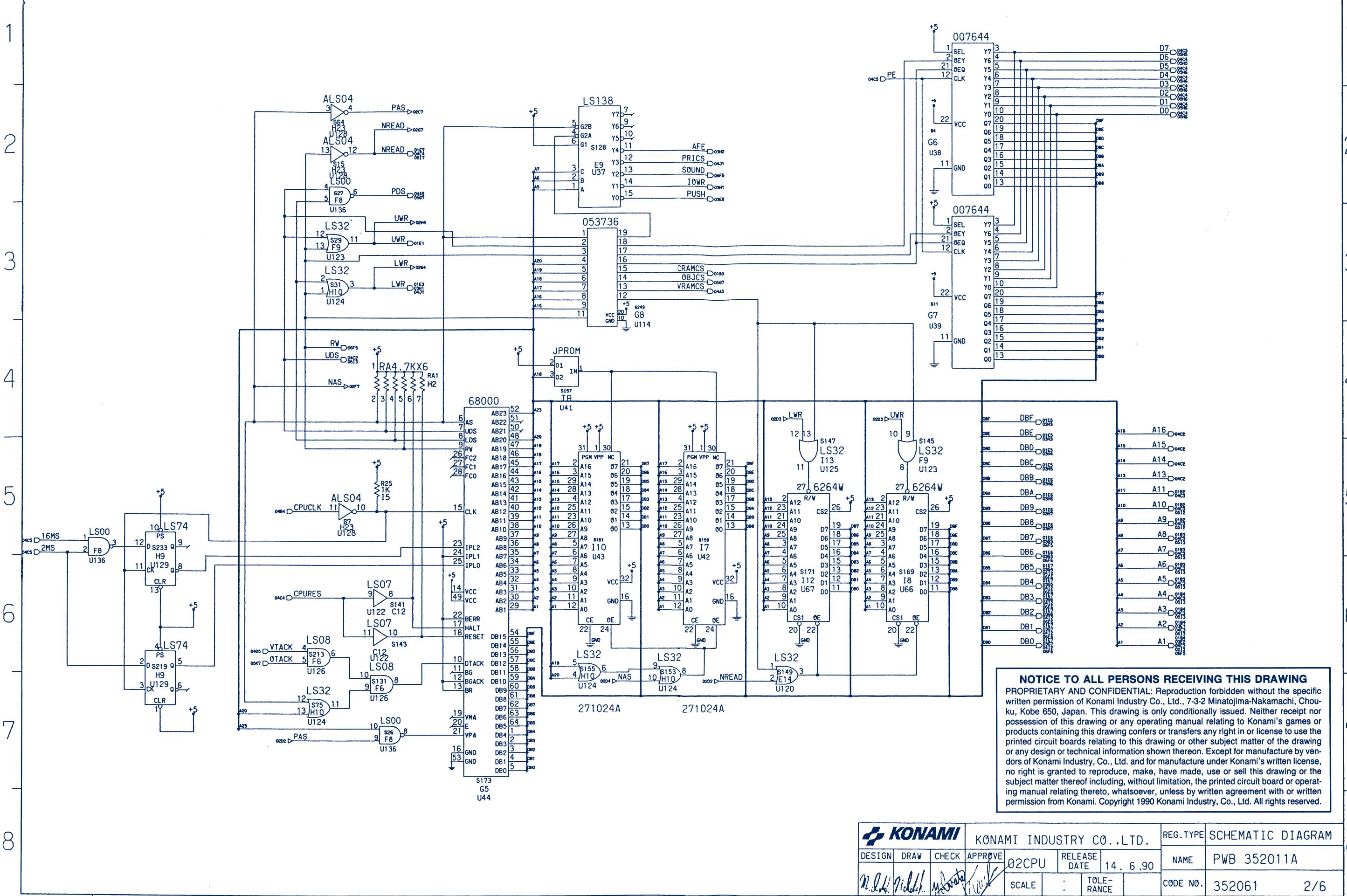
F.C.C. Regulations requires user to attach the F.C.C. warning label on the back of your video game cabinet.

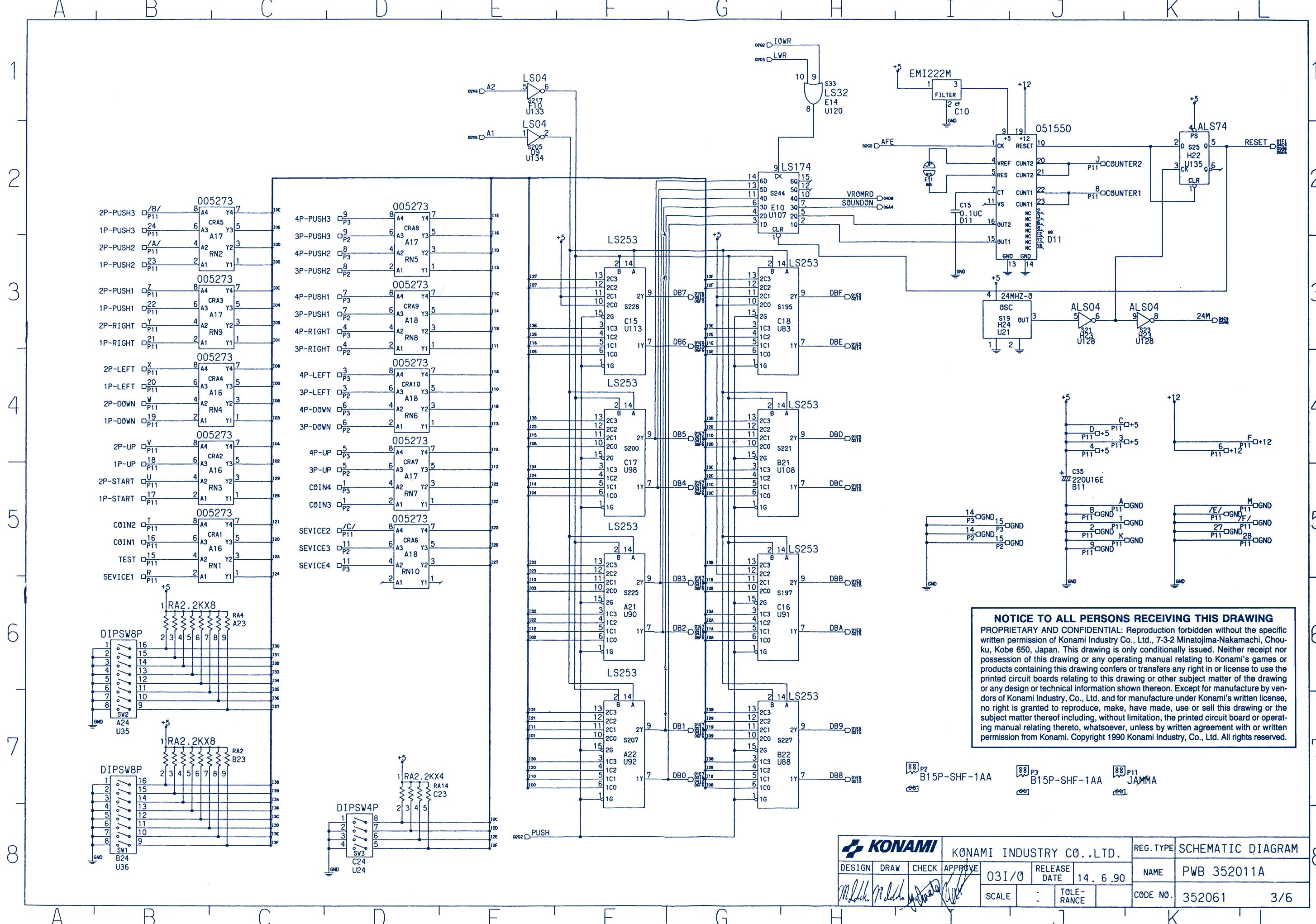
THIS EQUIPMENT COMPLIES
WITH THE REQUIREMENTS IN
PART 15 OF FCC RULES FOR A
CLASS A COMPUTING DEVICE.
OPERATION OF THIS EQUIP-
MENT IN A RESIDENTIAL AREA
MAY CAUSE UNACCEPTABLE
INTERFERENCE TO RADIO AND
TV RECEPTION REQUIRING THE
OPERATOR TO TAKE WHATEVER
STEPS ARE NECESSARY TO
CORRECT THE INTERFERENCE.
THIS DEVICE MUST ACCEPT
ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE
THAT MAY CAUSE UNDESIRED
OPERATION.

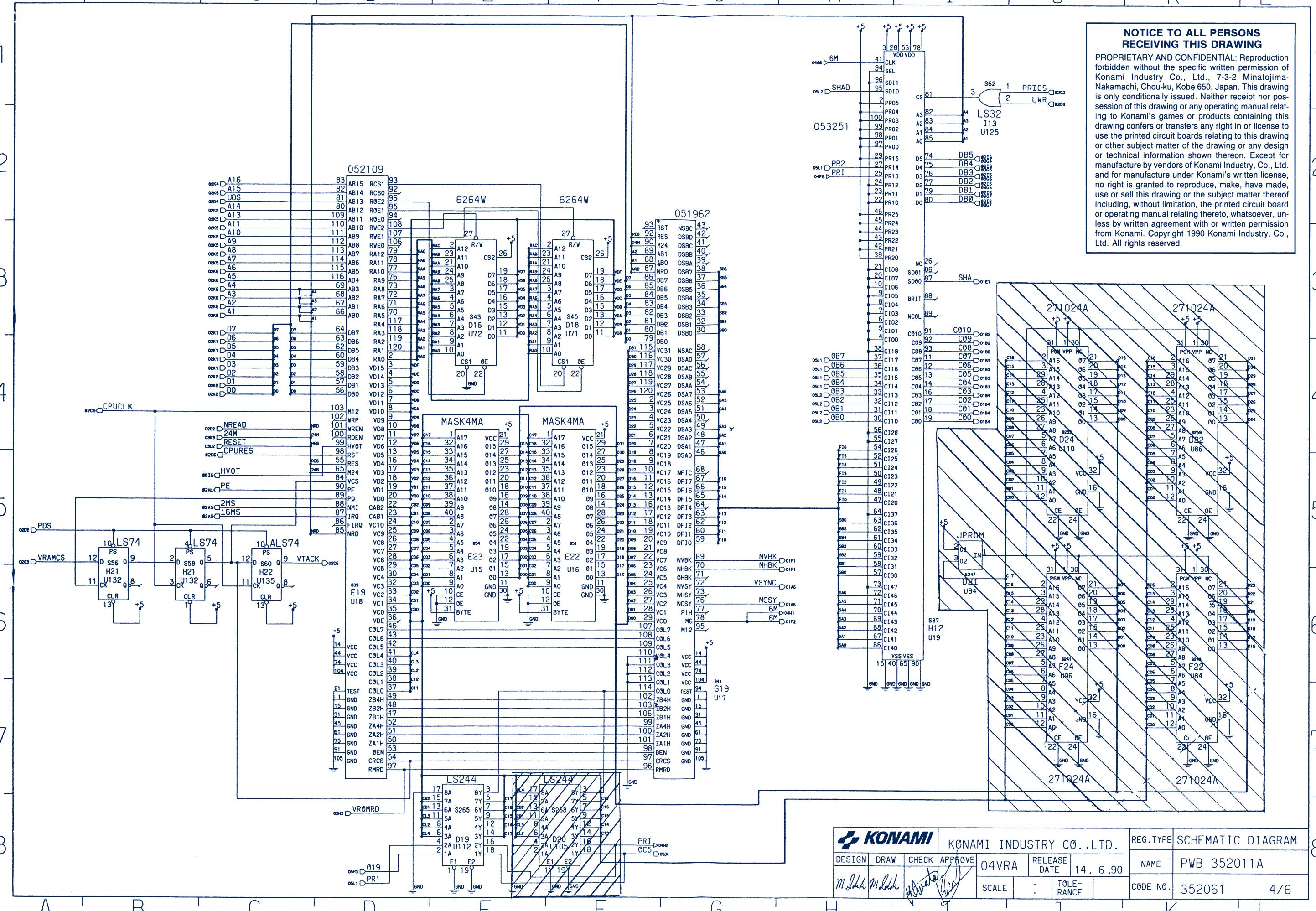


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E.G. TYPE SCHEMATIC DIAGRAM

APPROVE	04VRA	RELEASE DATE	14 6 90
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NAME PWB 352011A

DATE 14. 8. 90

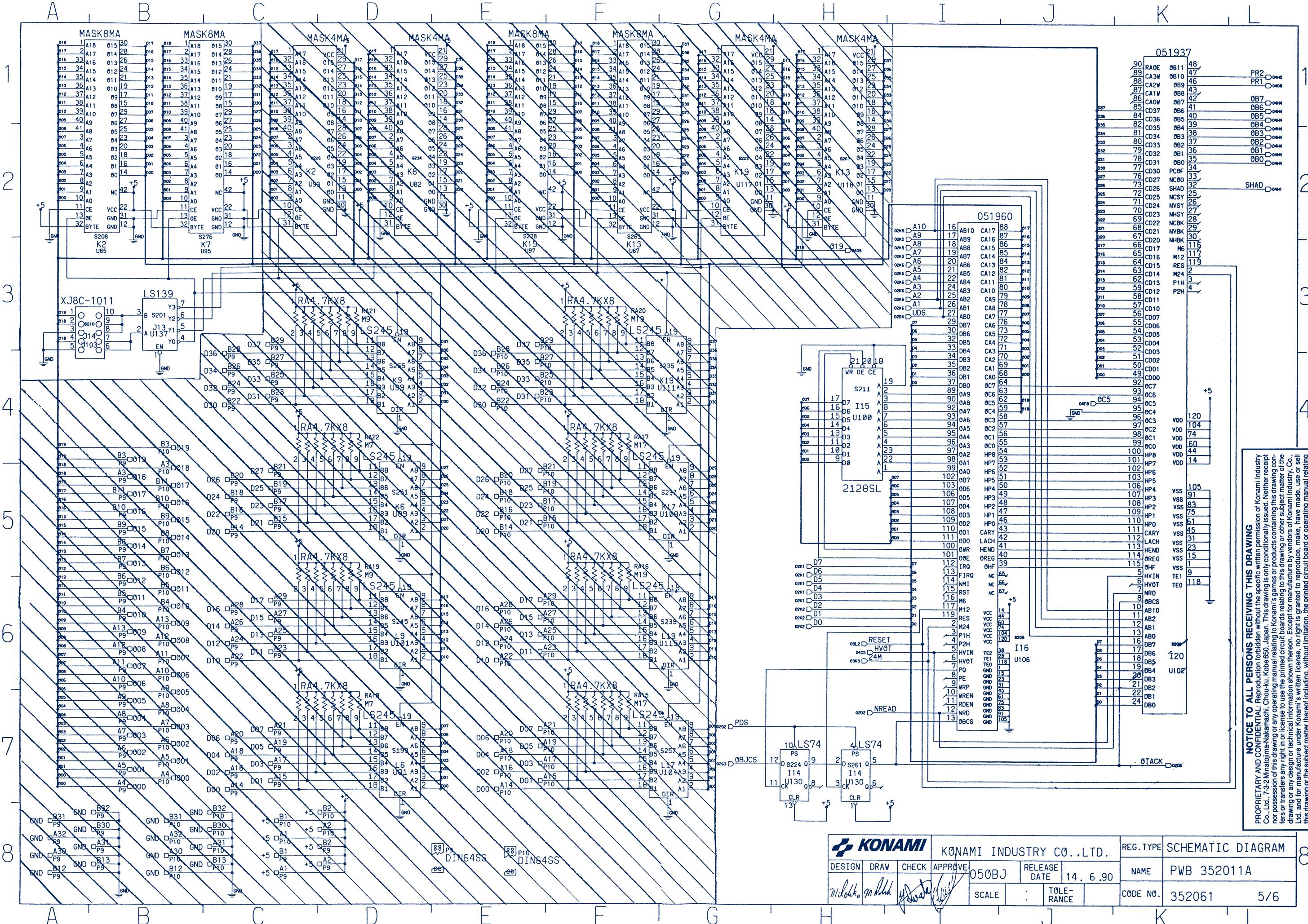
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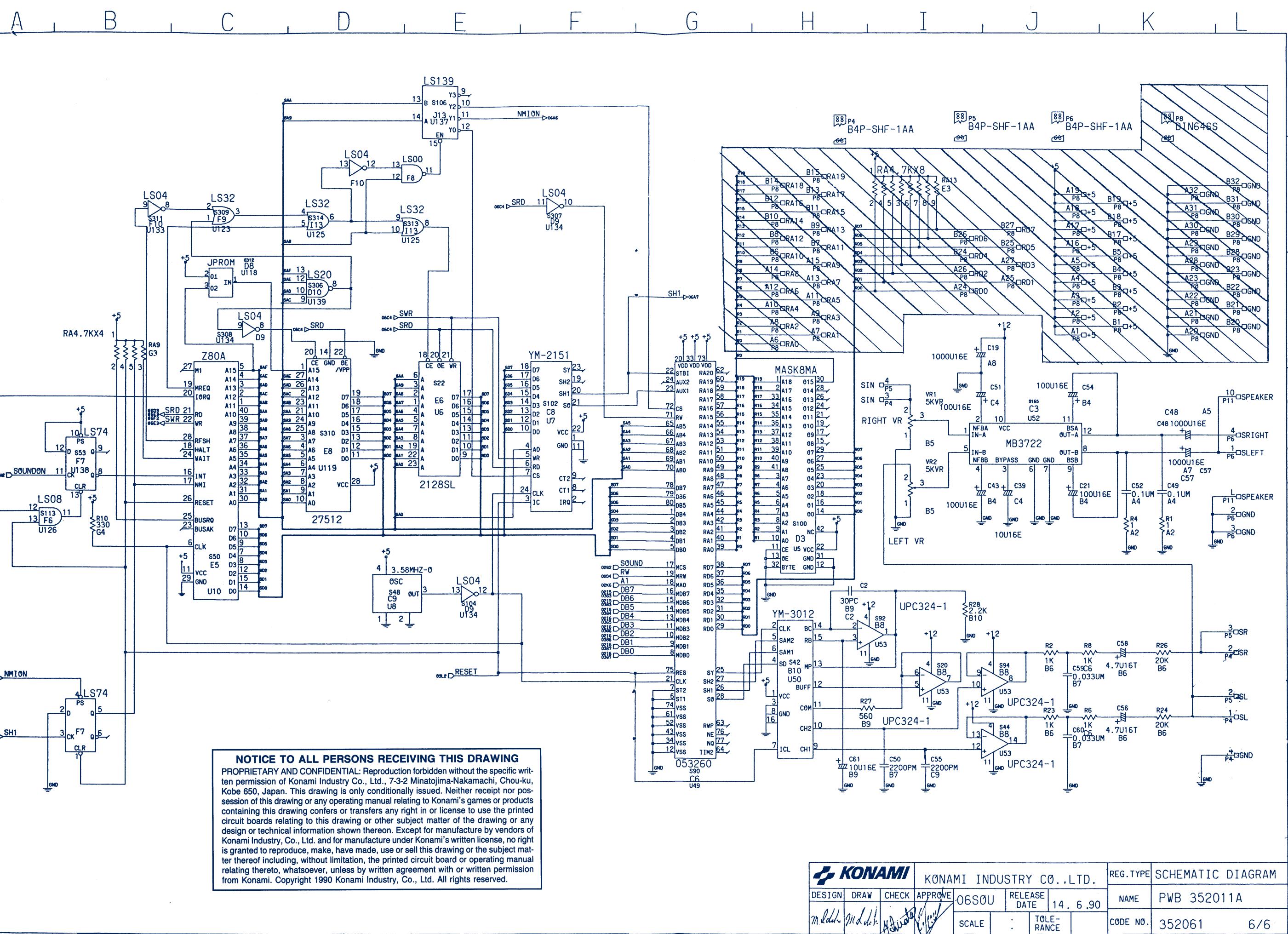
SCALE . RANGE

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K L





WIRING DIAGRAM

