

# service & operation manual



**DE** DATA EAST USA, INC.

# **WARNING**

This equipment generates and uses radio frequency energy and if not installed and used properly, i.e., in strict accordance with the instructions manual, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

## SHOOTOUT CONVERSION MANUAL

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DATA EAST USA INC.  
470 Needles Street  
San Jose, CA. 95054

## 1. GAME INSPECTION AND SET UP.

This new game is ready to play upon removal from the shipping carton. However, your careful inspection prior to applying power is highly recommended. Please follow these steps to ensure that your new game has been delivered to you in good condition.

- a. Carefully examine the exterior of the game cabinet for dents, scratches, chips, or broken parts.
- b. Open the Coin Door with the keys attached to the joystick. Inside the Coin Door you will find the Cashbox door and Rear Access door keys. Unlock and remove the rear access door. Inspect the following items:
  - \* Check that all plug-in connectors in the game harnessing are firmly plugged in. Replug any connectors found to be loose or unplugged.
  - \* Check that all socketed integrated circuits on the logic PCBs are firmly seated in their sockets.
  - \* Check all major subassemblies (power supply, monitor, and control panel) for secure mounting.
- c. Plug in the game and watch the screen for the attract mode video. Allow 2 full minutes for the monitor to warm up completely. If you have discovered any problems up to this point, contact your distributor immediately.

## 2. GAME PLAY DESCRIPTION

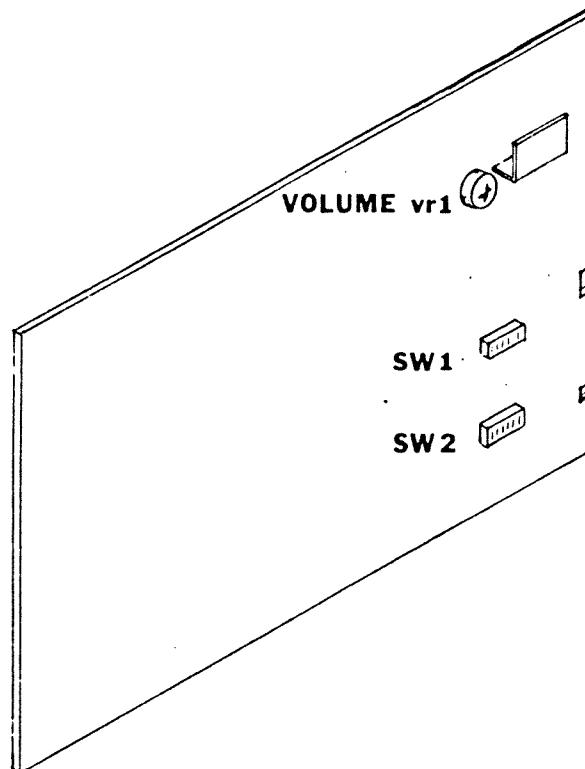
Shootout pits the player against various villains in a fast action gun battle in his quest to defeat the underworld Boss! The player uses an 8 way joystick to move right, left, and aim his pistol. Press the Fire button to shoot, or press the Dive button to dodge oncoming bullets. There is a player selectable target practice round feature available for novice players. Special targets and obstacles will confront the players as they progress through the different scenes. Be careful not to shoot innocent bystanders!

### 3. ADJUSTMENTS & SELECTABLE OPTIONS

A. **AUDIO VOLUME.** The audio volume is adjustable via a trimpot (VR1) on the Logic PCB. See illustration below for volume control location.

B. **POWER SUPPLY.** The +5 volts DC supplied by the Regulator on the Power Supply is adjustable to allow for various load conditions. When attempting to adjust the + 5 volts DC, measure the voltage at the Logic PCB, not at the Power Supply. This measurement should be no less than 4.95 vdc, and no greater than 5.05 vdc. Carefully adjust RV01 on the Regulator PCB until the desired voltage is obtained.

C. **OPERATOR SELECTABLE OPTIONS.** The Operator Selectable Options can be altered by changing the settings of the Dip Switches found on the Logic PCB. Table 1 and Table 2 outlines the available options.



SELECTABLE OPTIONS

TABLE 1

DIPSWITCH 1		1	2	3	4	5	6	7	8
COIN	1 coin = 1 credit	off	off						
vs	1 coin = 2 credit	off	on						
CREDIT	1 coin = 3 credit	on	off						
COIN 1	2 coin = 1 credit	on	on						
COIN	1 coin = 1 credit			off	off				
vs	1 coin = 2 credit			off	on				
CREDIT	1 coin = 3 credit			on	off				
COIN 2	2 coin = 1 credit			on	on				
SWITCH 5 IS NOT USED									
ATTRACT	Sound off						off		
MODE	Sound on						on		
CABINET	Cocktail table							off	
	Upright							on	
MODE	Play mode								off
	Freeze screen								on

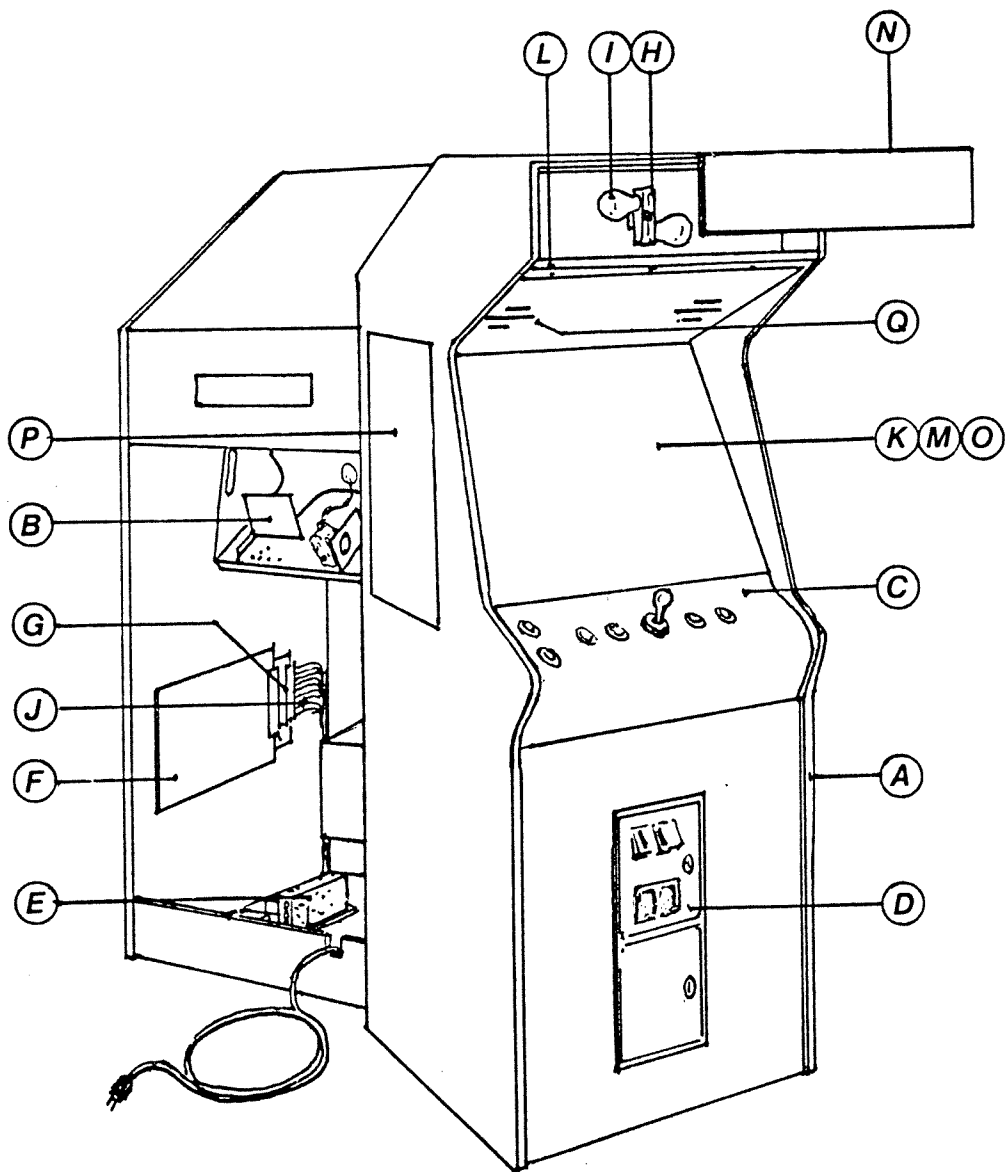
TABLE 2

DIPSWITCH 2		1	2	3	4	5	6	7	8
NUMBER	Three (3)	off	off						
OF	Five (5)	off	on						
LIVES	One (1)	on	off						
	No Die Mode	on	on						
BONUS	20000/70000 pts			off	off				
LEVEL	30000/80000 pts			off	on				
	40000/90000 pts			on	off				
	70000/ --- pts			on	on				
DIFFICULTY	Difficulty 0 (easy)					off	off		
LEVEL	Difficulty 1					off	on		
	Difficulty 2					on	off		
	Difficulty 3 (hard)					on	on		
SWITCH 7 & 8 ARE NOT USED									

4. PARTS BREAKDOWN

A. FINAL ASSEMBLY, SHOOTOUT

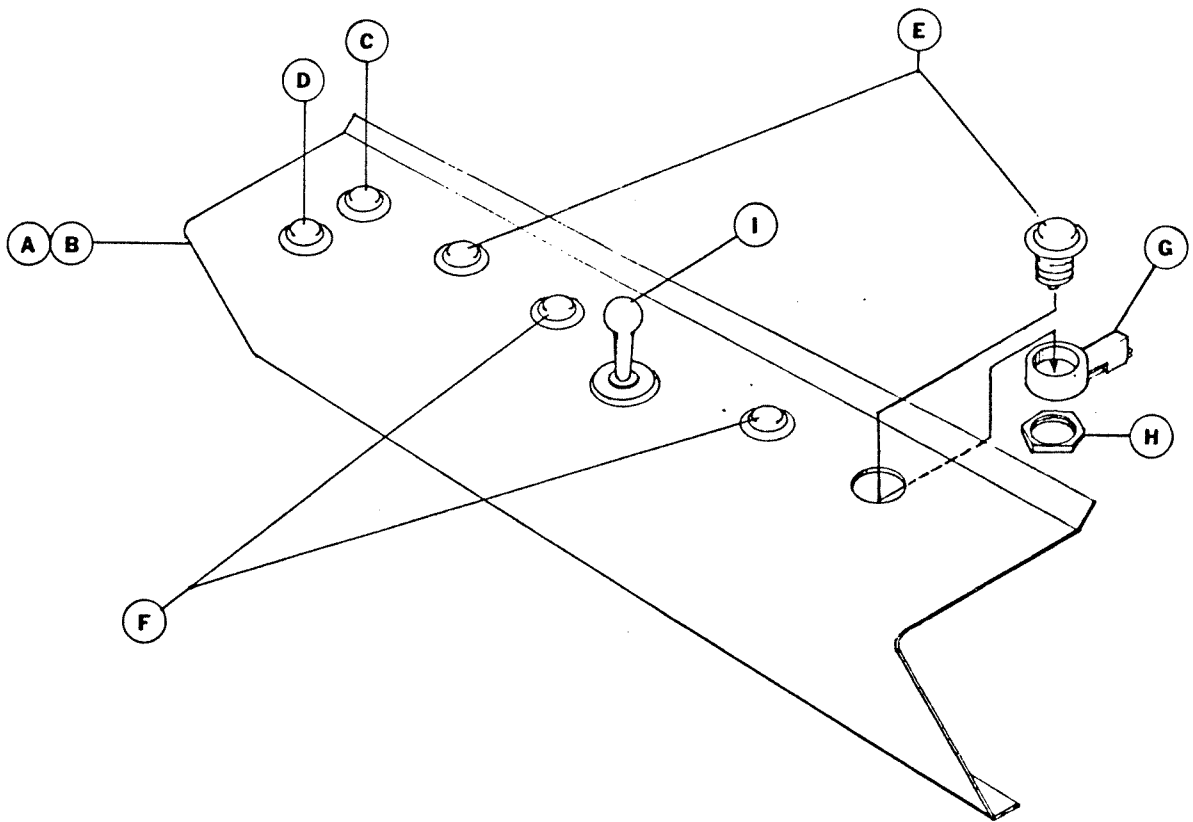
A	CABINET ASSY, EMPTY.....	365-0001-00
B	MONITOR ASSY.....	510-0006-00
C	CONTROL PANEL ASSY.....	510-0013-00
D	COIN DOOR ASSY.....	510-0004-00
E	POWER SUPPLY ASSY.....	510-0007-00
F	PCB ASSY, SHOOTOUT.....	510-0028-00
G	PCB ASSY, EMI FILTER.....	520-0016-00
H	DUAL LAMPHOLDER ASSY.....	170-0002-00
I	LAMP, INCANDESCENT 40W.....	165-0004-00
J	HARNESS ASSY, MAIN.....	036-0009-00
K	MONITOR BEZEL.....	380-0002-00
L	PLEX RETAINER.....	535-0009-00
M	PLEX, MONITOR, CLEAR.....	660-0001-00
N	PLEX, MARQUEE, SHOOTOUT.....	830-0013-00
O	UNDERLAY CARD, DISPLAY, SHOOTOUT.....	810-0007-00
P	SIDE DECAL, SHOOTOUT.....	820-0012-00
Q	SPEAKER.....	031-0001-00





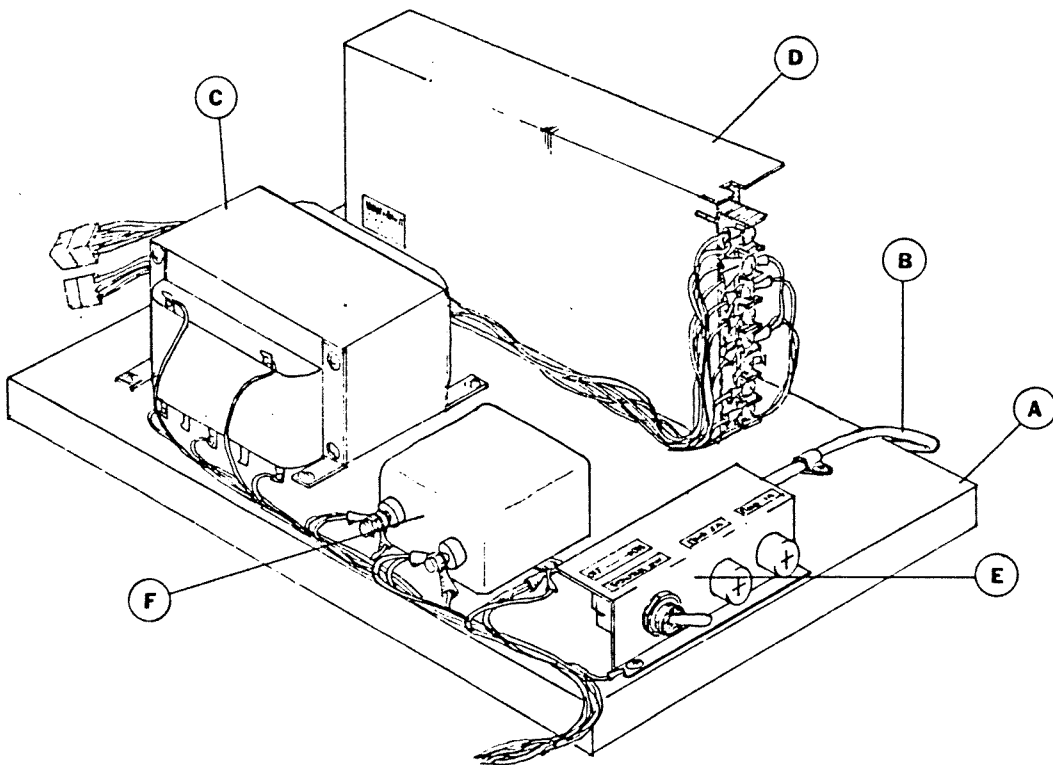
B. CONTROL PANEL ASSEMBLY

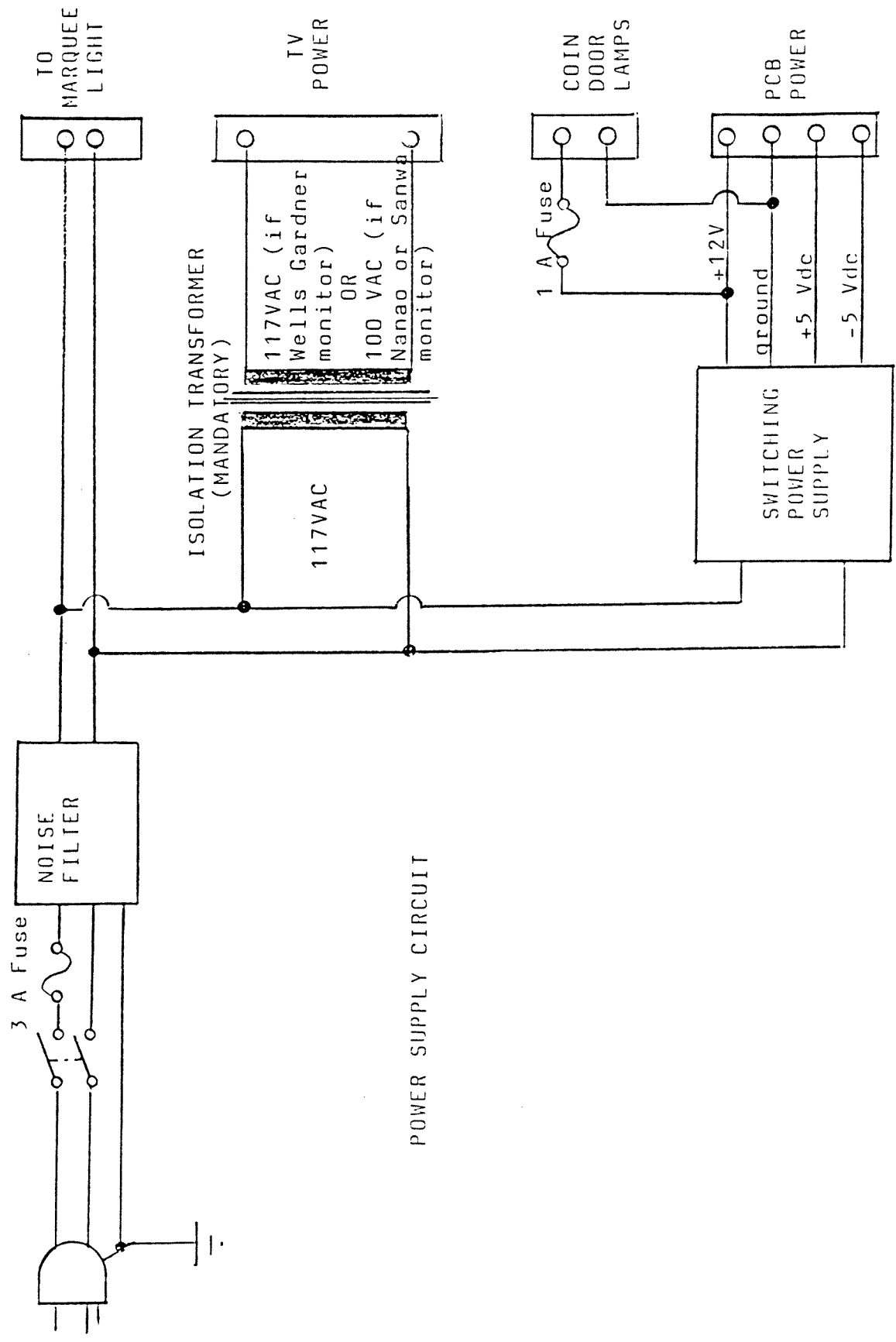
A	CONTROL PANEL, BARE.....	535-0008-00
B	CONTROL PANEL OVERLAY, SHOOTOUT.....	800-0013-00
C	PUSHBUTTON, 1 PLAYER.....	350-0003-01
D	PUSHBUTTON, 2 PLAYER.....	350-0003-02
E	PUSHBUTTON, EVADE.....	350-0006-00
F	PUSHBUTTON, SHOOT.....	350-0006-01
G	PUSHBUTTON HOLDER W/LEAF SWITCH.....	185-0001-00
H	PAL NUT.....	240-0001-00
I	JOYSTICK ASSY, 8 WAY.....	450-0003-00



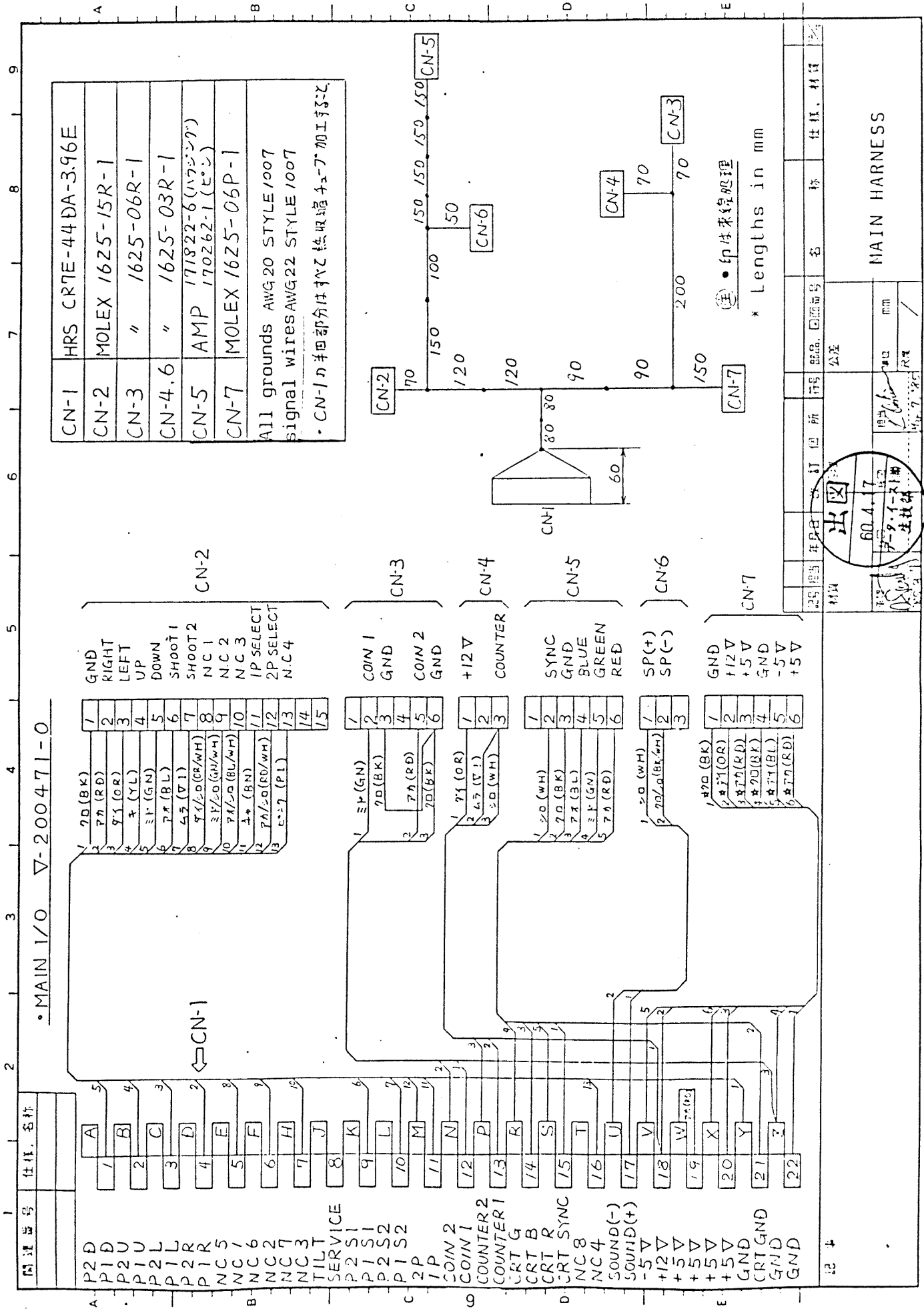
### C. POWER SUPPLY ASSEMBLY

A	POWER SUPPLY CHASSIS, WOOD.....	515-0003-00
B	POWER CORD ASSY.....	515-0002-00
C	TRANSFORMER, ISOLATION.....	010-0001-00
D	SWITCHING REGULATOR.....	510-0007-00
E	SWITCH BRACKET ASSY.....	515-0004-00
F	NOISE FILTER.....	150-0001-00





POWER SUPPLY CIRCUIT



**出図**

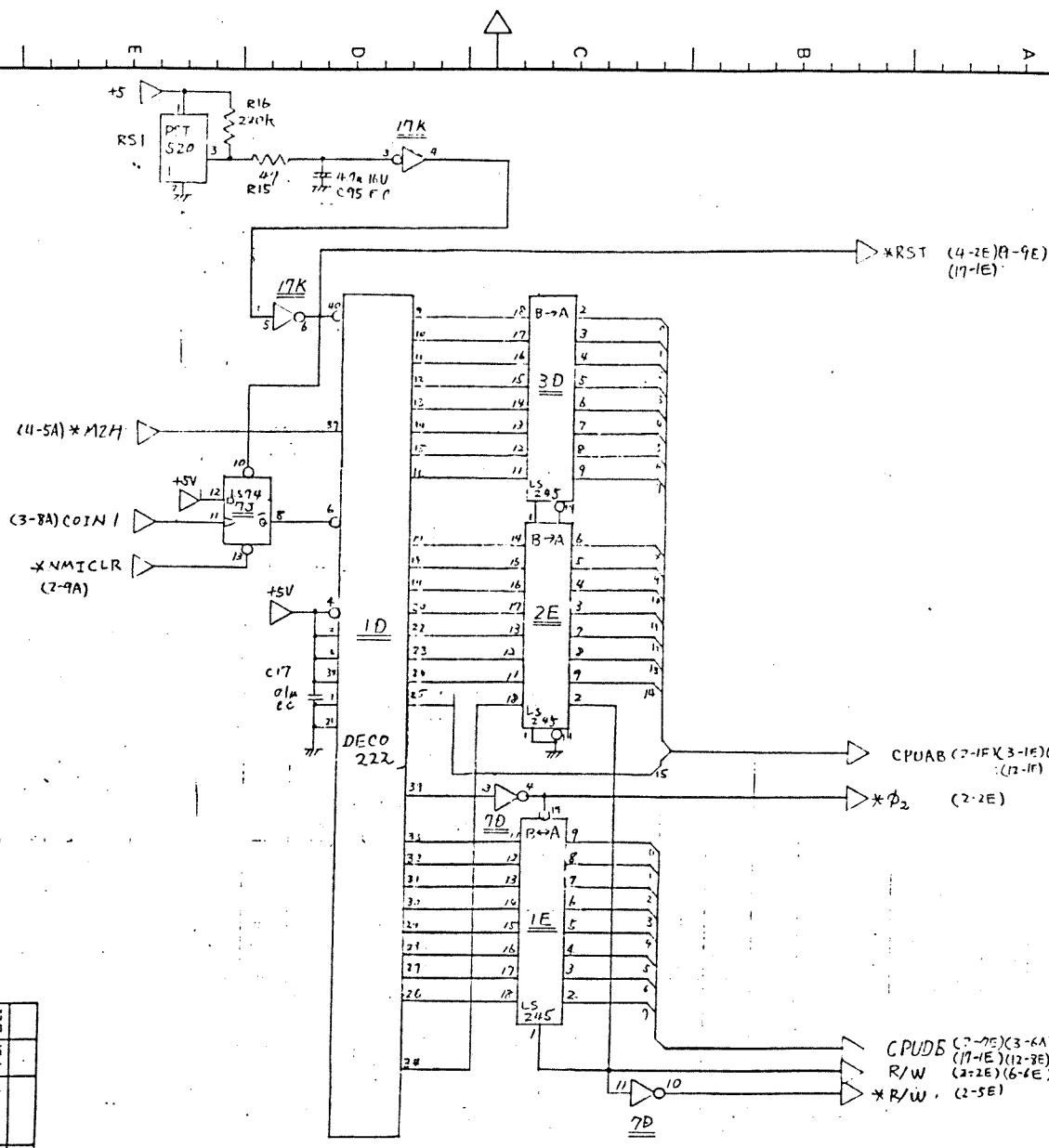
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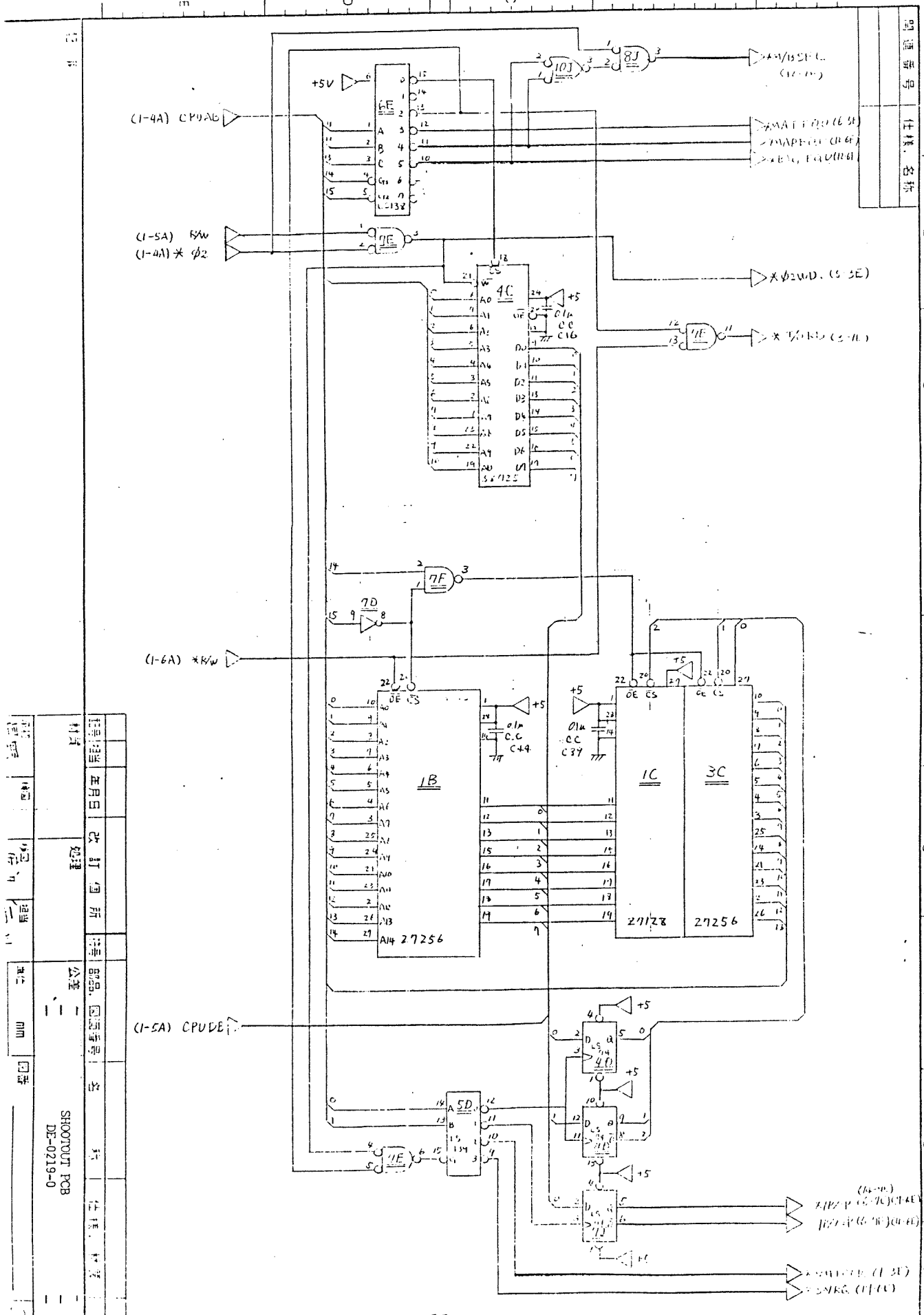
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图例编号	仕様名称
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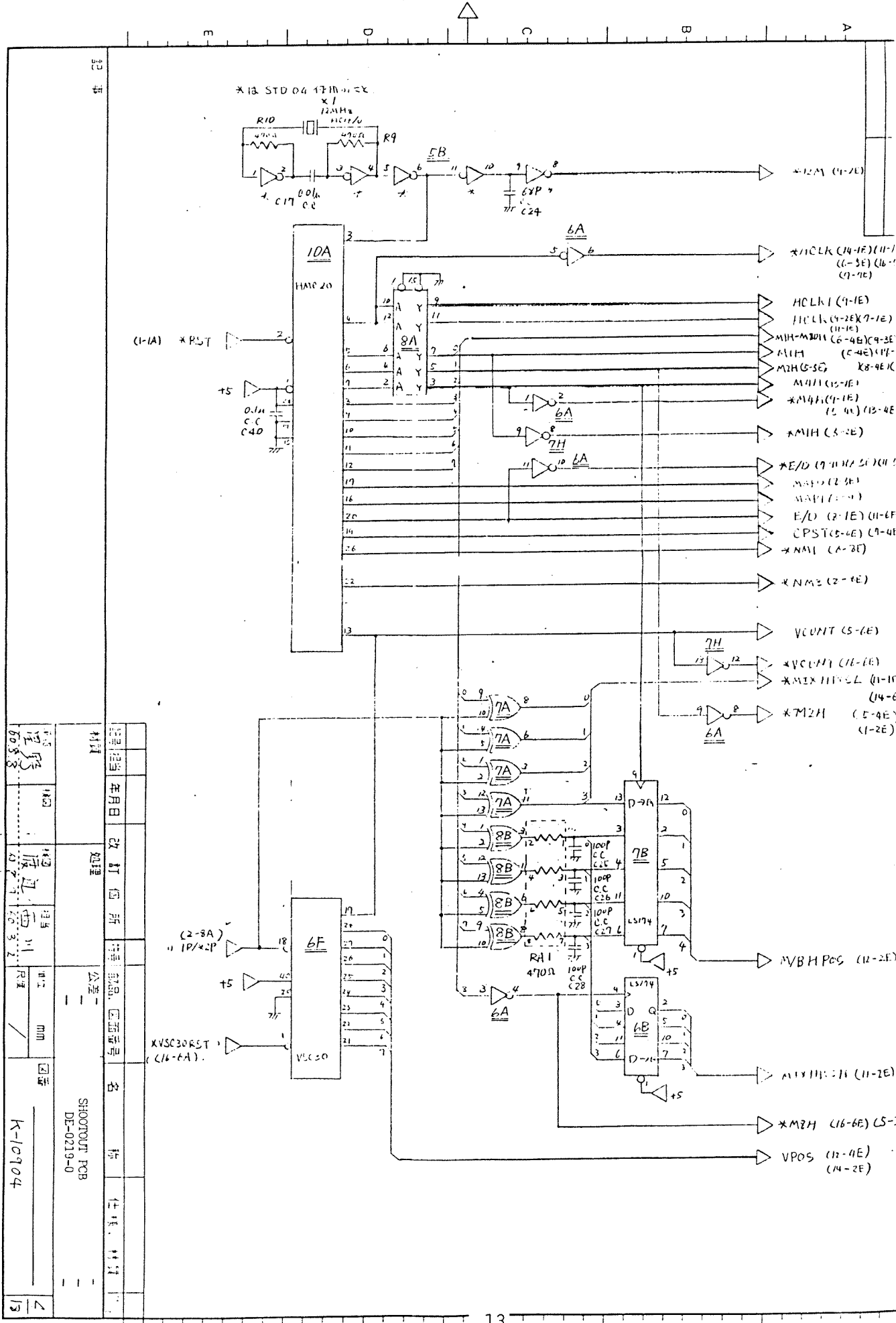


承認 室	種類	種類	担当	単位	図番
材料	記号担当	年月日	改訂個所	部品	部品
				図面番号	名
					仕様、材質
					SHOOTOUT PCB
					DE-0219-0



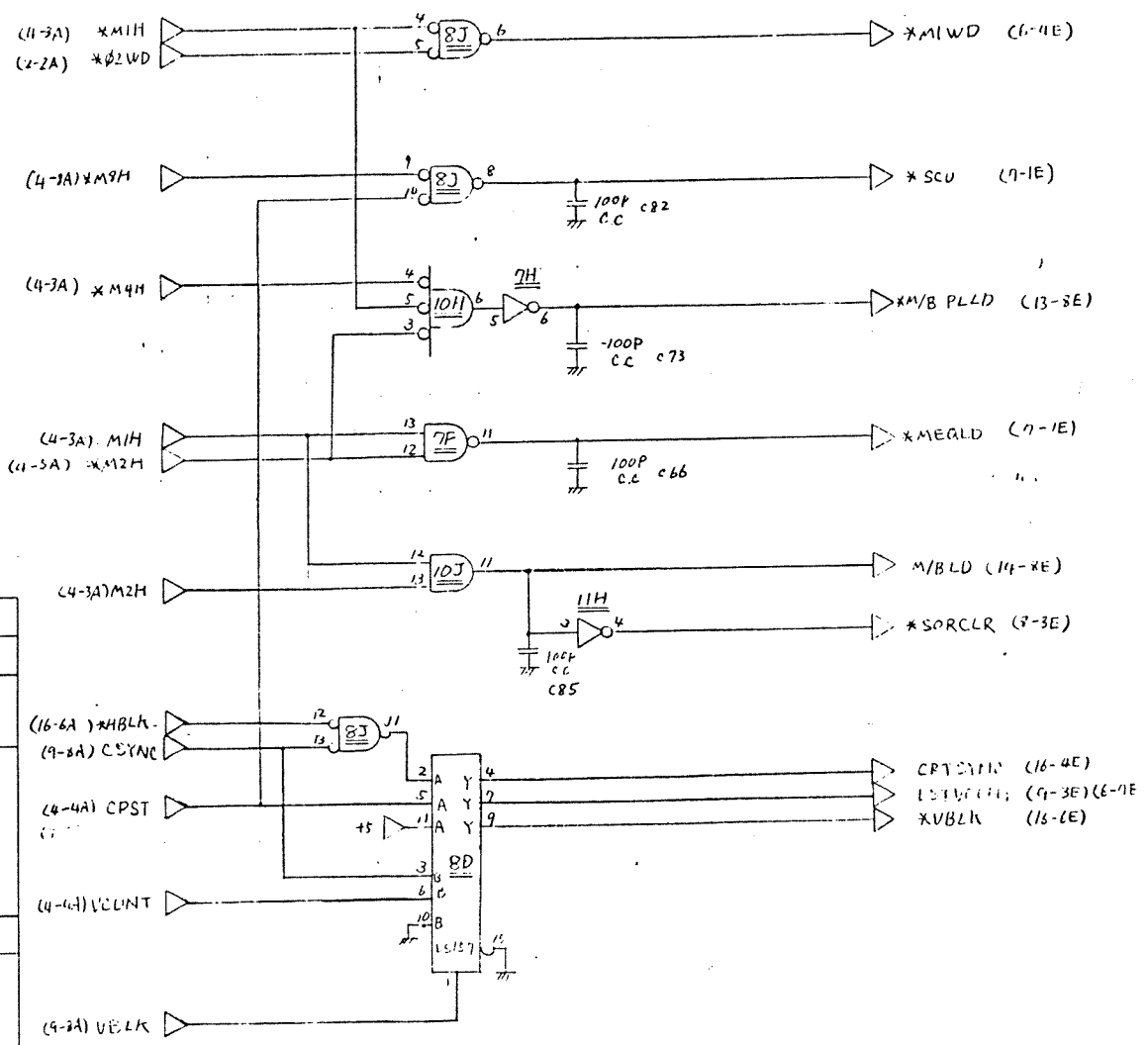
材料	日期	更改	原因	姓名
SHOOTOUT PCB	DE-0219-0			





材料	年月日	改訂箇所	特異部品、区画番号	名	仕様、材質
SHOOTOUT PCB	DE-0219-0				
K-10904					





\*C22, C73, C66, C85 12 \*XBLK\*

材料	年月日	改訂	部	番	品名	品番	仕様	材料
SHOOTOUT PCB	DE-0219-0							
K-10104								

SHOOTOUT PCB DE-0219-0 K-10104

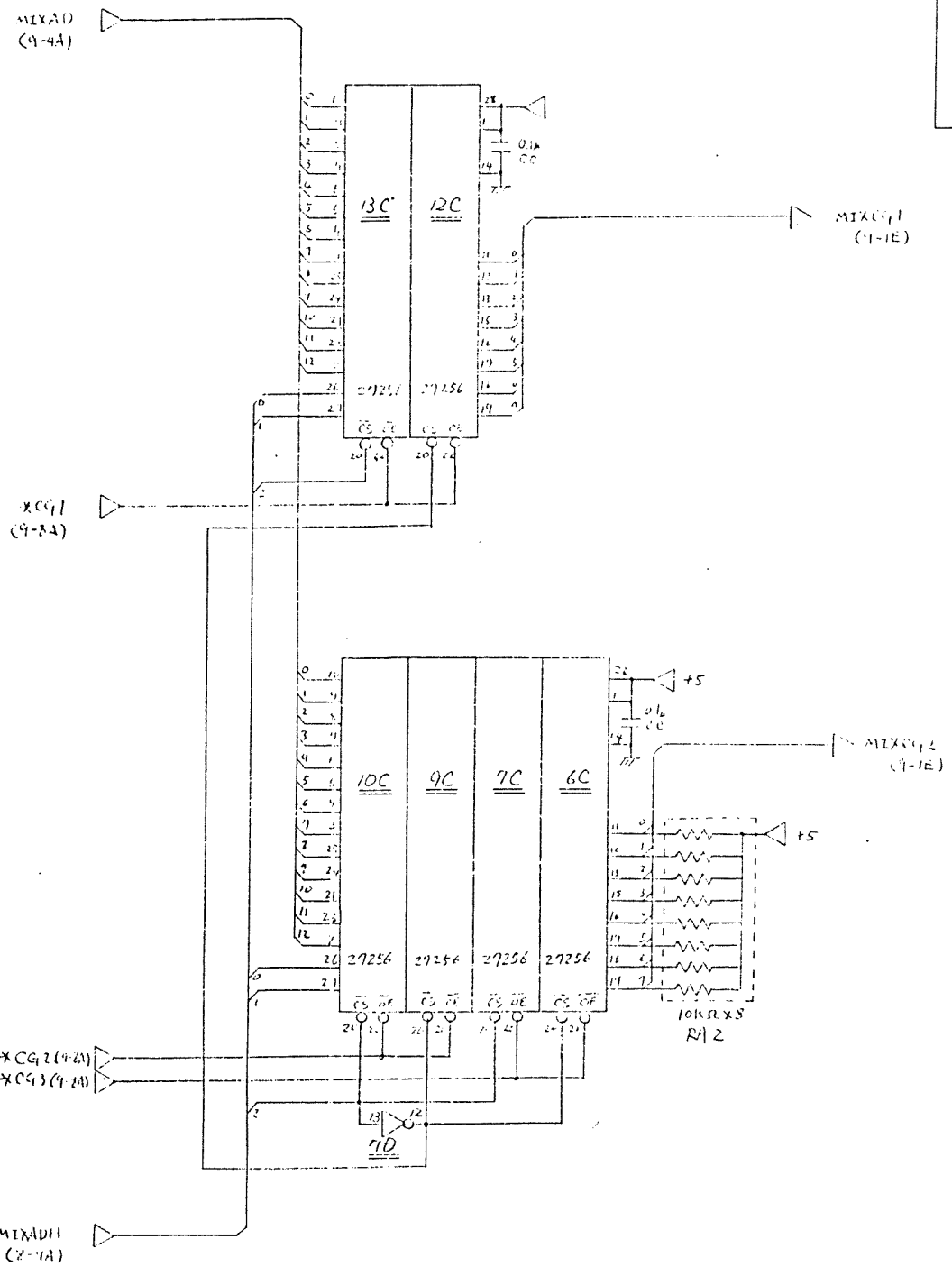






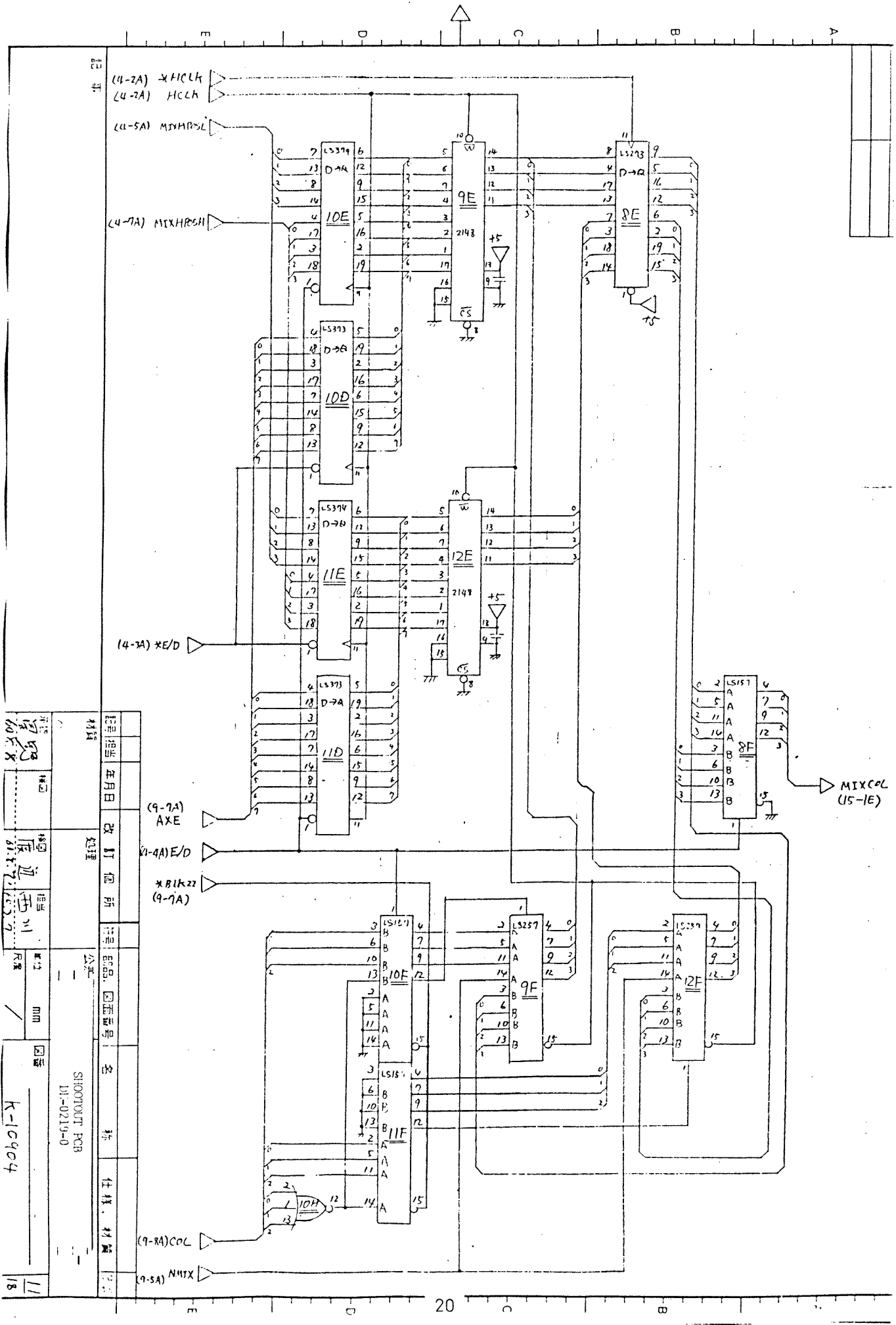


图例编号 仕様名称

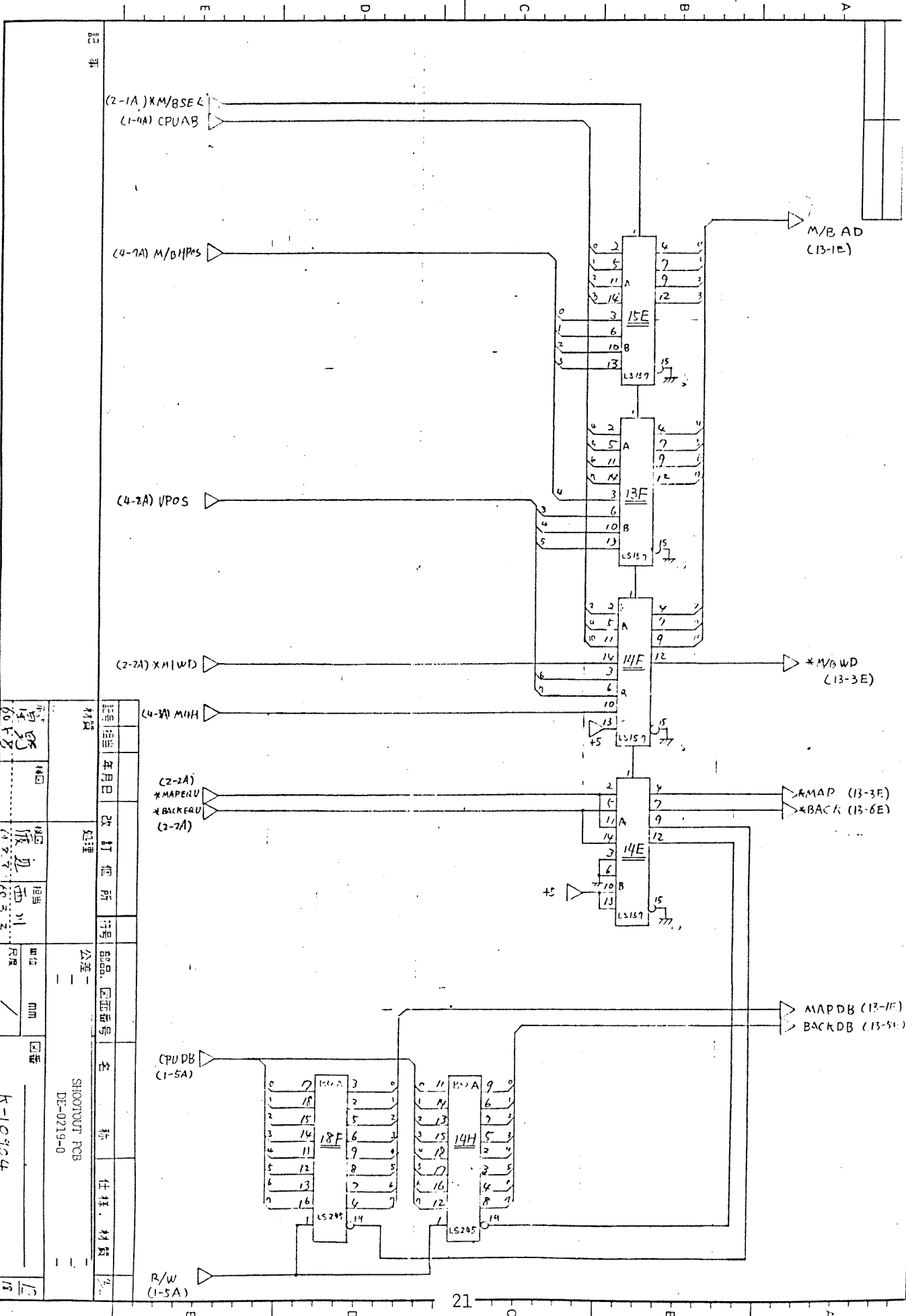


記事

材料	担当者	年月日	改訂個所	符号	部品	図面番号	名	仕様	材質
材料	望野		横田	DE	公差	SHOOTOUT PCB	DE-0219-0		
検出	横田		横田		単位				
	望野		横田		mm				
			横田						



材料	日期	年月日	改訂	包新	品名	圖面番號	全標	仕様・材質
SHOOTOUT PCB	DI-0219-0							
K-10404								



記事

(2-1A) \*M/BSEL  
(1-4A) CPUAB

(4-7A) M/BHPS

(4-3A) VPOS

(2-2A) \*M1WD

(4-3A) MIH

(2-2A) \*MAPERU  
(2-2A) \*BACKERU

CPU DB  
(1-5A)

R/W  
(1-5A)

M/B AD  
(13-1C)

\*M/B WD  
(13-3E)

\*MAP (13-3E)  
\*BACK (13-6E)

MAP DB (13-1E)  
BACK DB (13-5E)

材料	工程	在月日	改訂	便所	符号	部品	区画	番号	名	仕様	材質
SHOOTOUT PCB											
DE-0219-0											

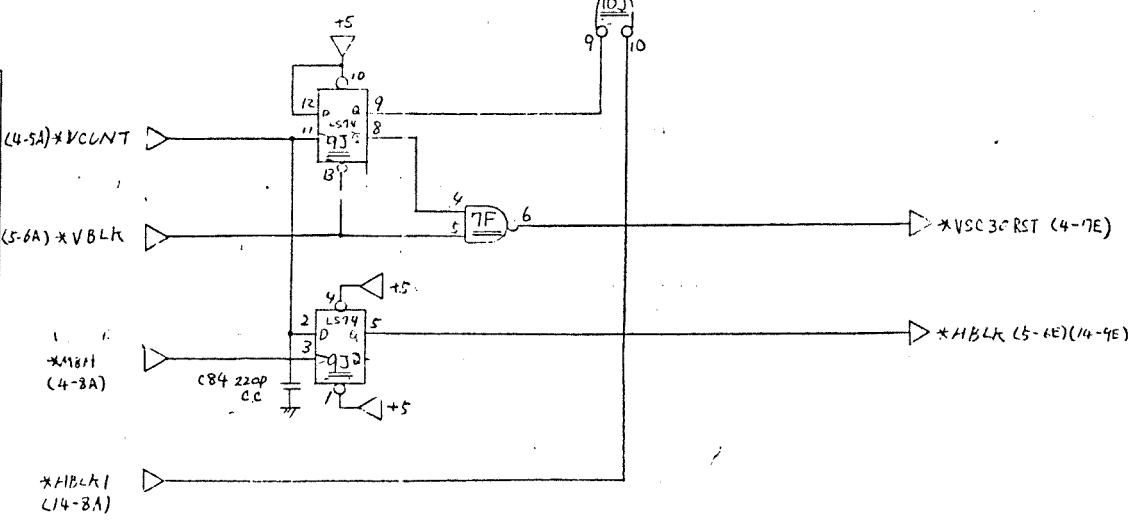
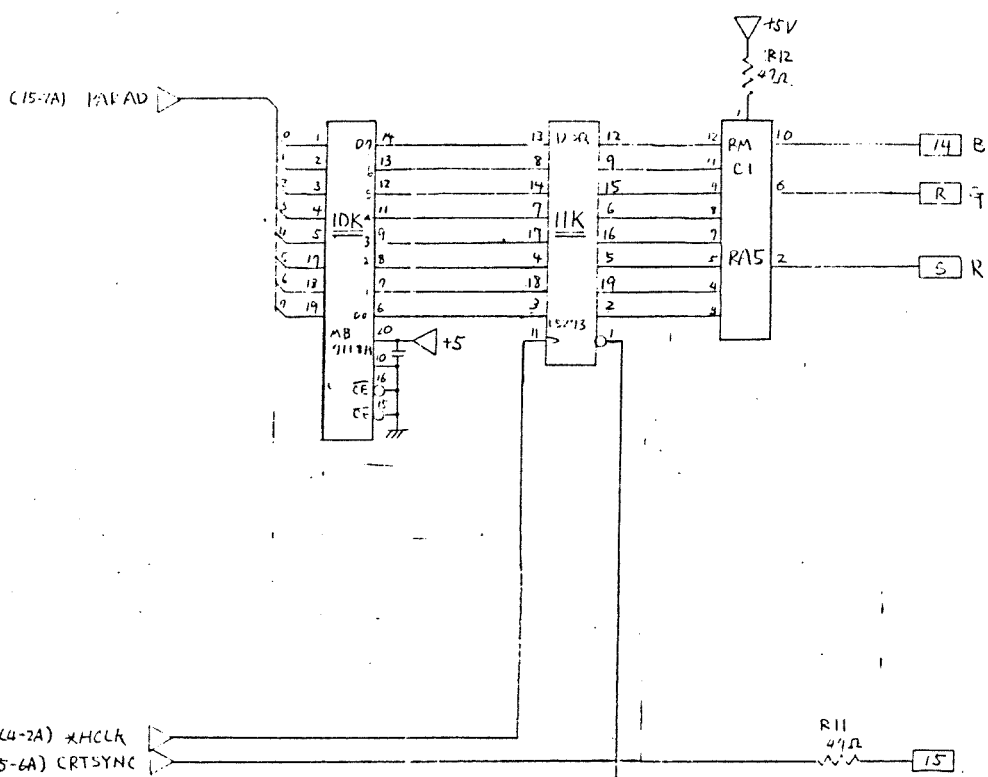
設計	検査	承認	単位	mm	番
西川	西川	西川			
K-10704					







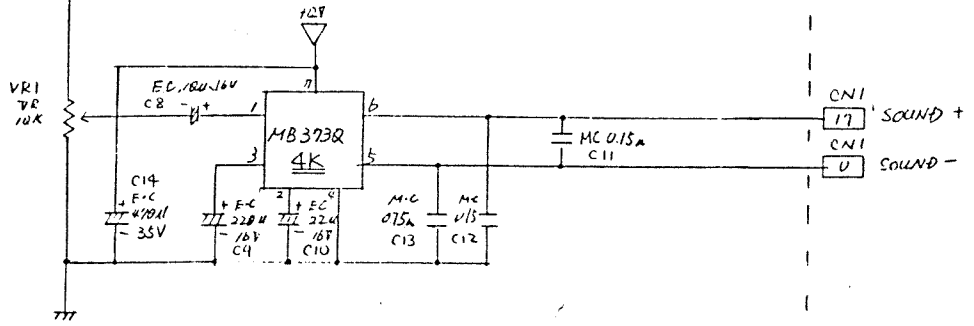
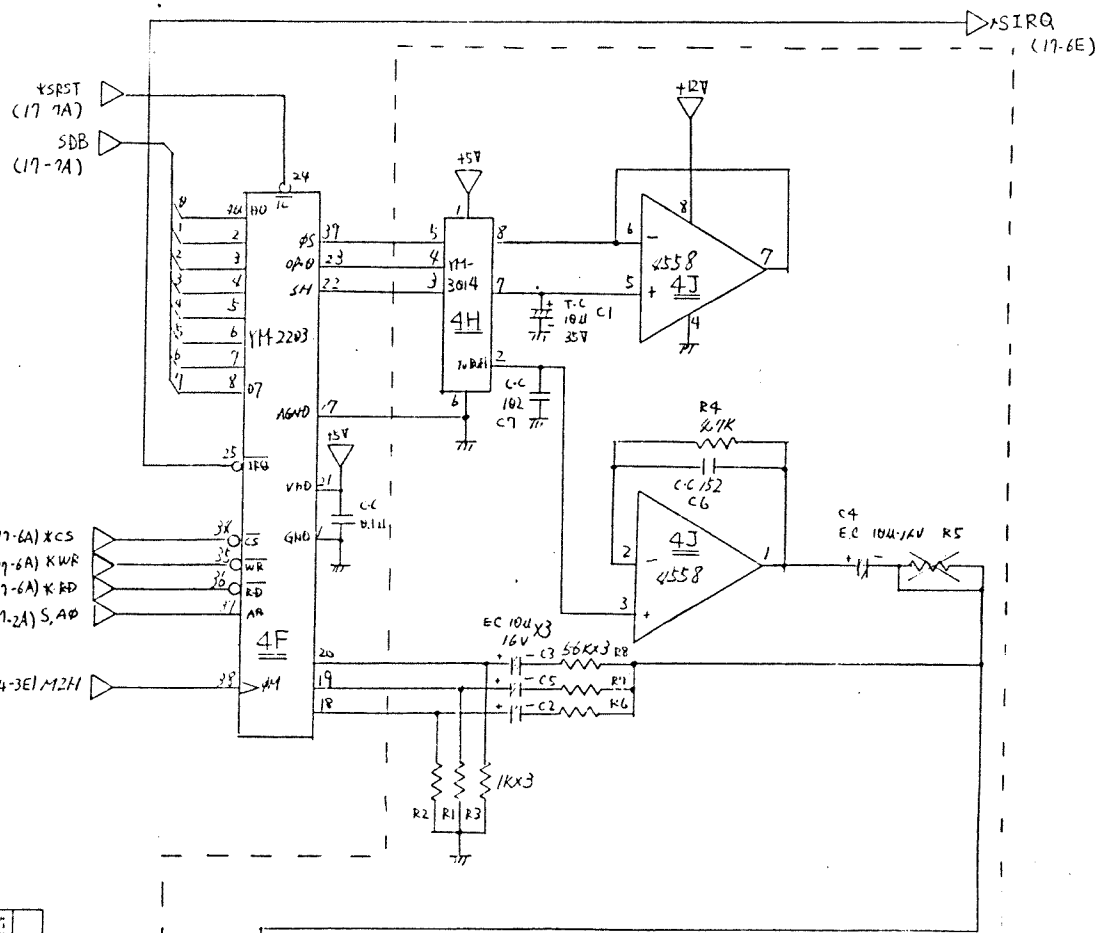




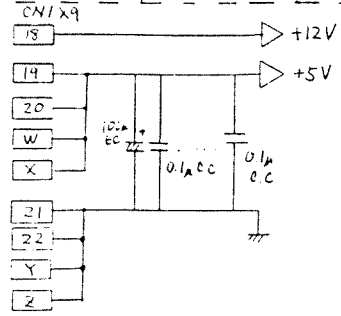
材料	起造/注進	年月日	改訂/燬所	注記	部品	圖面番号	名	仕様	材料
SHOOTOUT PCB	SHOOTOUT PCB	DF-0219-0							
1/5	1/5	1/5	1/5	1/5	1/5	1/5	1/5	1/5	1/5



記 事



\* 破線内はグラウンドにします。



品名	SHOOTOUT PCB
部品番	DE-0219-0
製造	西川
検査	ASA
承認	ASA
設計	ASA
材料	ASA
年月日	
訂 個 所	
公 差	
名 称	SHOOTOUT PCB
仕 様	DE-0219-0
材 質	
13	K-10704
18	

## LIMITED WARRANTY

Data East USA, Inc. ("Seller"), warrants only to the initial purchaser of its products that the items listed below are free from defects in material and workmanship under normal use and service for the warranty periods specified:

- |                           |           |
|---------------------------|-----------|
| A. Printed circuit boards | (90) days |
| B. Television monitor     | (30) days |

No other parts of Seller's products are warranted.

Warranty periods are effective from the initial date of shipment from Seller to its authorized distributors.

Seller's sole liability shall be, at its option, to repair or replace products which are returned to Seller during the warranty periods specified, provided:

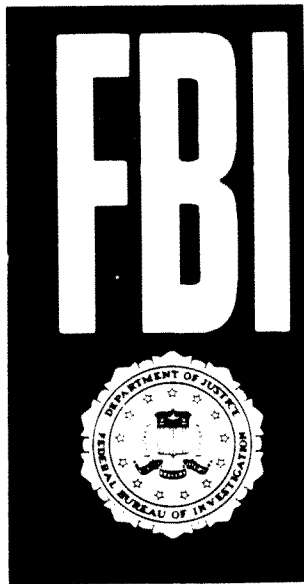
- A. Seller is notified promptly upon discovery by buyer that stated products are defective.
- B. Such products are properly packaged and then returned, prepaid to Seller's plant.

This warranty does not apply to any parts damaged during shipping or handling, or due to improper installation or usage, or alteration. In no event shall Seller be liable for any anticipated profits, loss of profits, loss of use, incidental or consequential damages or any other losses incurred by the customer in connection with the purchase of a Data East USA, Inc. product.

### (WARRANTY DISCLAIMER)

EXCEPT AS SPECIFICALLY PROVIDED IN A WRITTEN CONTRACT BETWEEN SELLER AND PURCHASER, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

DATE: 5-01-85



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