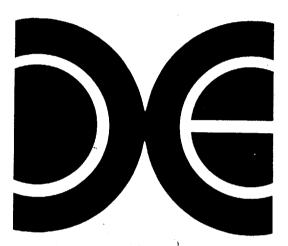
# KARATE CHAMP

PLAYER VS PLAYER



# **INSTALLATION INSTRUCTIONS**

DATA EAST USA, INC.

470 Gianni Street. Santa Clara CA 95050

Telephone (408) 727-4490 Toll Free (800) 538-5129 Telex 172163 DATA EAST SNTA

# 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 persuant 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.

#### **CAUTION**

EMI Shield must be securely installed in order to protect against undesirable radio interference.

# KARATE CHAMP<sup>tm</sup>

#### Player Vs Player

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1.3	Power Supply Circuit - NANAO or SANWA monitor games
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#### NOTE:

Schematic diagram for ASAHI model 6352 power supply was not available for inclusion in this manual at press time. Refer any problems to the DATA EAST Service department.

#### Karate Champ

#### Game instructions

- 1. Training
- Use this session to learn and to practice the various moves. You
  can enter directly into game play by pressing either 1 or 2 player
  start button.
- Left Joystick controls player's direction of movement
- Right joystick controls player's choice of attack
- Both must be used together to execute the different moves.
- 2. MATCH
- Maneuver YOUR PLAYER to fight against your opponent.
- Move joysticks to execute the various moves (see move chart)
- First fighter to score 2 points wins match
- Player advances to next level for each match won.
- 3. BONUS INTERVAL
- After each match, play bonus rounds to score additional points.

### KARATE CHAMP LEVER INSTRUCTIONS

#### WHITE PLAYER

	RIGHT LEVER EFT EVER			<b>H</b>	<b>.</b>	6
	<b>-</b>		BACK KICK	FRONT KICK MIDDLE REVERSE PUNCH	ROUND KICK	LOW KICK
		WITHDRAW BLOCK	BACK KICK	BACK ROUND KICK	UPPER PUNCH	LOW KICK
		FORWARD	CHANGE DIRECTION	MIDDLE LUNGE PUNCH	UPPER LUNGE PUNCH	LOW KICK
1	<u> </u>		BACK KICK	FRONT KICK	ROUND KICK	
!		JUMP	JAMPING BACK KICK	JUMPING SIDE KICK	BACK WARD SOMERSAULT	FORWARD SOMERSAULT
A00.00		SQUAT	BACK FOOT SWEEP	FRONT FOOT SWEEP	SQUATTING REVERSE LUNGE PUNCH	FRONT FOOT SWEEP

#### RED PLAYER

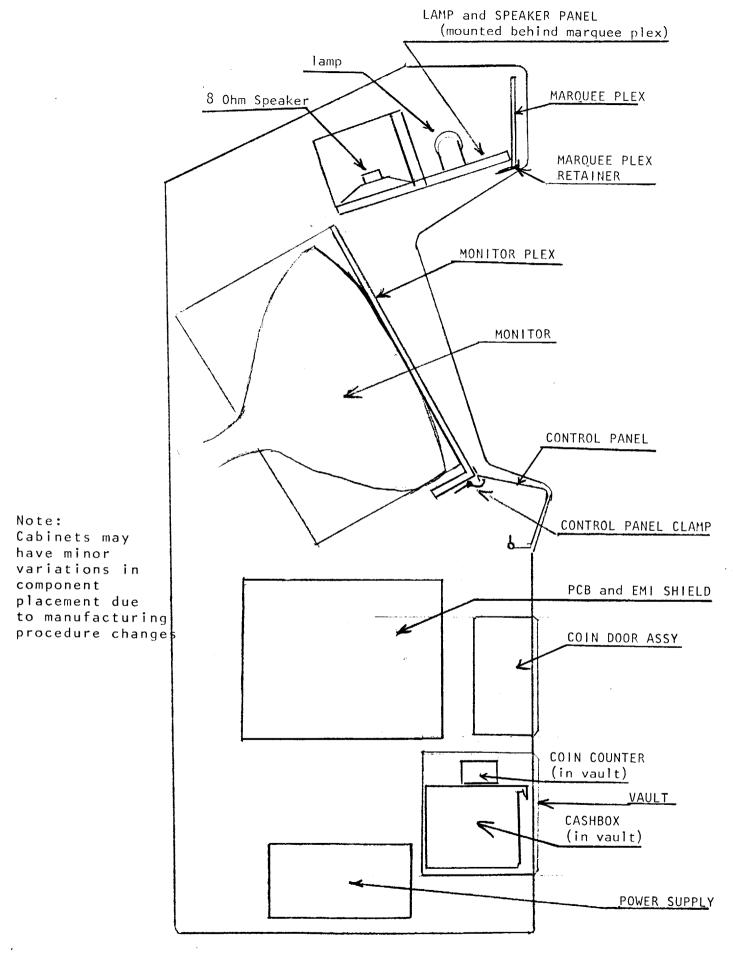
RIGHT LEVER LEFT LEVER					
<b>-</b>		BACK KICK	FRONT KICK MIDDLE REVERSE PUNCH	ROUND KICK	LOW KICK
	WITHDRAW	BACK KICK	BACK ROUND	UPPER PUNCH	LOW KICK
6	BLOCK		KICK	1 011011	
	FORWAFID	CHANGE DIRECTION	MIDDLE LUNGE PUNCH	UPPER LUNGE PUNCH	LOW KICK
		BACK KICK	FRONT KICK	ROUND KICK	
	JUMP	JAMPING BACK KICK	JUMPING SIDE KICK	BACK WARD SOMERSAULT	FORWARD SOMERSAULT
	SQUAT	BACK FOOT SWEEP	FRONT FOOT SWEEP	SQUATTING REVERSE LUNGE PUNCH	FRONT FOOT SWEEP

## KARATE CHAMP

### Player Vs Player

#### OPTION SWITCH SETTINGS

1 2	OFF OFF	ON OFF	OFF ON	ON ON	right
	1 Coin 1 play	1 coin 1 play	2 coin 1 play	3 coin 1 play	coin acceptor
3	OFF OFF	ON OFF	OFF ON	ON ON	left
	1 coin 1 play	1 coin 2 play	2 coin 1 play	3 coin 1 play	coin acceptor
5 6	OFF OFF	ON OFF	OFF ON	ON ON	DIFFICULTY SETTING
	EASIEST	HARD	HARDER	HARDEST	SETTING
7	0FF		ON		Attract mode
	NO		YES		sound on?
8	OFF		ON		TEST/GAME MODE
	NORMAL		FREE P	LAY	



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#### POWER SUPPLY REQUIREMENTS

÷5V	<u>+</u> 2%	5A
+12V	<u>+</u> 2%	1A
—5V	<u>+</u> 2%	0.1A

#### OPERATING ENVIRONMENT

	Temperature	Humidity
Operation	5~35° ℃	20~80%
Storage	—15∼65° C	10~90%

#### RASTER SCAN MONITOR SIGNALS

(1) Color Signals R.G.B. Separate

Black

0 - +2V

Image Signal +2.5V - +4V

(2) Syncronize Signal Composite

0 - 0.5V

1 +3V - +5V

(3) Screen Image Size

Image can be shrunk both horizontally and vertically by 10%.

#### KARATE CHAMP

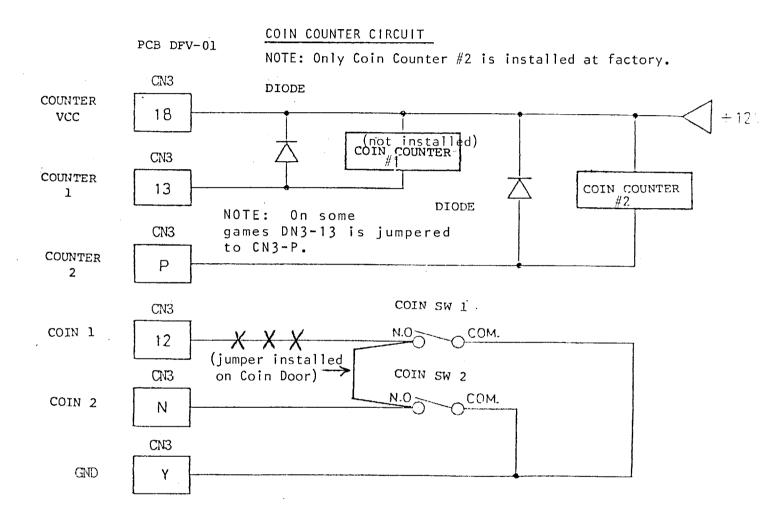
#### Signal Assignment Table

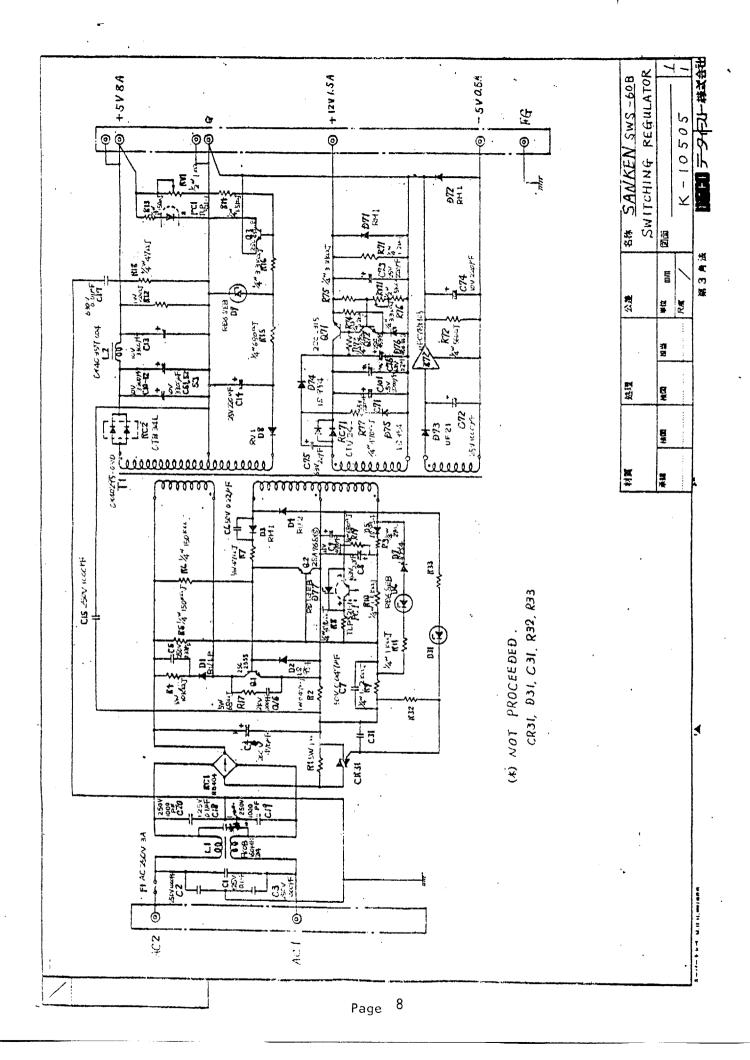
Connector CR7E-44DA-3.96E (HIROSE) Terminal Numbering

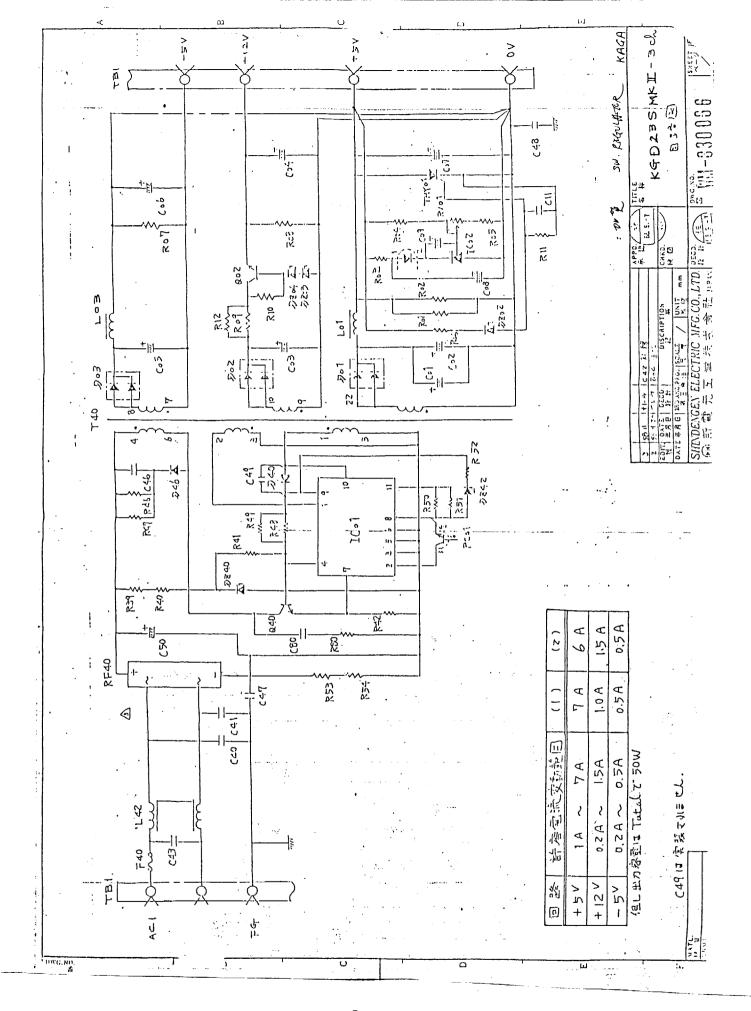
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A	B	C	A	F	Fi	H	.T	K	1	M	Ν	P	R	S	T	U	V	w	X	Y	ヌ		

### Signal Assignment

Pin	Nos		Signal		Pin Nos		Signal	
1		1P	Right	Down	A	2 <b>P</b>	Right	Down
2		1P	Right	Up	В	2 <b>P</b>	Right	Up
3		1P	Right	Left	C	2P	Right	Left
4		1P	Right	Right	D	2P	Right	Right
5	B. B. B.	1P	Left	Down	E	2P	Left	Down
6		1P	Left	Up	F	2 <b>P</b>	Left	Up
7		1P	Left	Left	H	2P	Left	Left
8		1P	Left	Right	J	2P	Left	Right
9		·			K			
lo			والمستواف والمستهوا ماروان	nakana kana dari i dan min subsemb <sup>a ar</sup> Bakidi — Barat	L			
11		1P	Game Se	Lect	М	2P	Game Se	lect
12			Coin Sw	itch 1	N		Coin Sw	itch 2
13		The second of the second	Coin Co	inter 1	P		Coin Co	unter 2
14			Video B	riganis glavinia — Marquae I, persona — Amerika — Affekt	R		Video C	
15		-	Sync.	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	S		Video R	
16			magnine - private in at 1 gr. i private in amore	and the sales can be the sales of employees with the sales of the sale	T'			
17	enada entre carre - 4		Sound +		U		Sound -	ا ا
18			+ 12V		V.		−5V	graph, many applicable and the form the second second
19			+ 5V		W		+5V	
20			+5V		Х		+5V	
.21			GND		<b>Y</b> '.		QUID .	
22			CND		Z		GND	





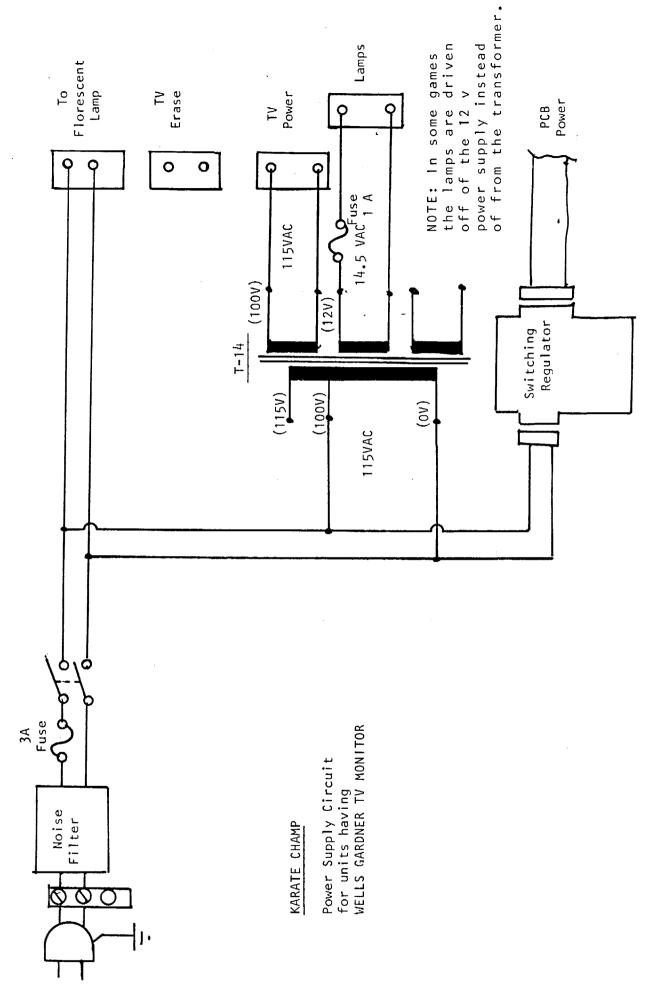


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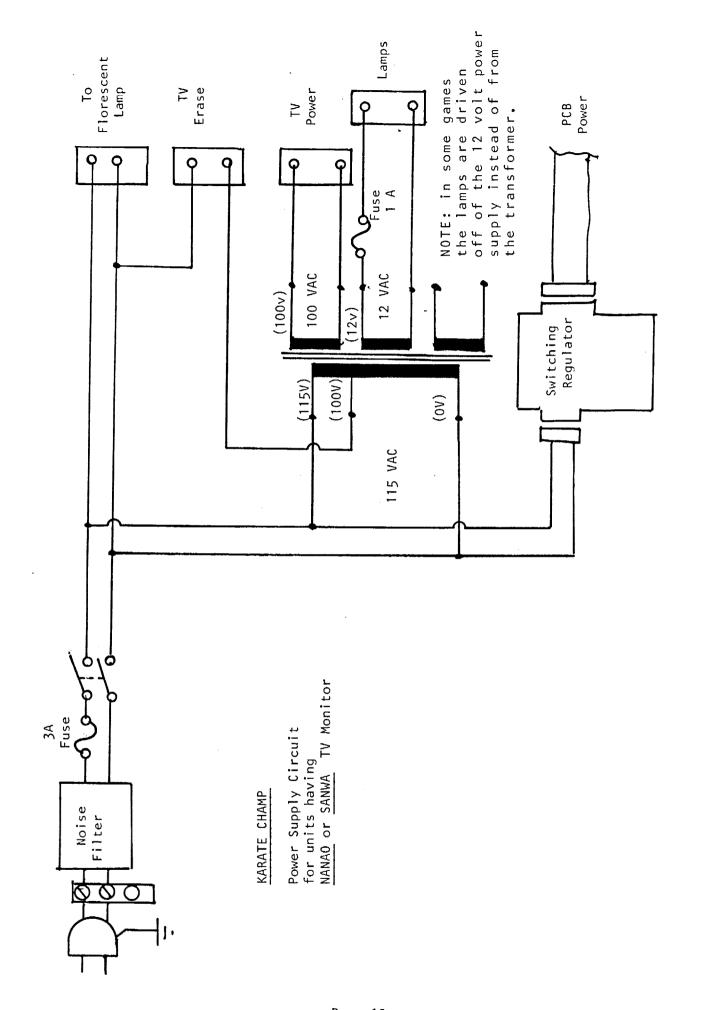
# POWER SUPPLY Model KGD23SMK-IT

Item	Parts Nos	Description	Specification	Q†ty	Manufacturer
,1.	F40	Fuse	CHS 5	1	Nagasawa
2.	Т40	Transformer		1	Shindengen
3.	. I75	Common Mode Choke	UF327S 602YIRO	1	TDK
4.	ର୍4୦	Transistor	2803306	1	Toshiba
5•	RF4o	Bridge Rectifier	\$3WB: 40	1	Shindengen
6.	D4o	Diode	<b>V</b> 19C	1	Hitachi
7.	D46	Diode	V19G	1	Hitachi
8.	DZ40	Zener Diode	HZ16-1	1	Hitachi
9•	ICol	HB IC	RHDol-2	1	Nichi-com
lo.	PCol .	Photo Coupler	PS 2018	1	Nichiden(NEC)
11.	C40, 41	Seramic Capacitor	DE7090B 102KVA1 125V 1,000pf	2	Murata
12.	C47	Seramic Capacitor	- ditto -	1	Murata
13.	<b>C</b> 80	Seramic Capacitor	DE0707B 681K 2KV DC 680p	1	Murata
14.	C42	Film Capacitor			
15	C43	Film Capacitor	QXM2G lo4KT 400V o.lµf	1	Nichi-con
16.	C46	Film Capacitor	ECQ-E2 lo4KS 200V o.lpf	1	Matsushita
17.	C48	Film Capacitor	ECQ-E6 473KZ 400V 0.047µf	1	Matsushita
18.	<b>C</b> 50	Electrode Capacitor	LJA2D471 THSCBV 200V 470pf	1	Nichi-con
19.	R37, 40	Resistor	ERC-1SJ 393H	2	Matsushita
20.	R47, 46	Resistor	ERG-2SJ 223H	2	Matsushita
21.	R48, 49	Resistor	ERC-3SJ 56oH	2	Matsushita
22.	R8o	Resistor	ERG-2SJ 33oH	1	Matsushita
23.	R42	Metal Plate Resistor			Fukushima Futaba
24.	R53, 54		MNS o5N 1ROJ		Micron
25.	R41	Carbon Resistor	1/4W loK ohm		
26. ·	R50	Carbon Resistor	1/4W 680 ohm		
27.	R51	Carbon Resistor	1/4W 12K ohm		•
28.	R52	Carbon Resistor			

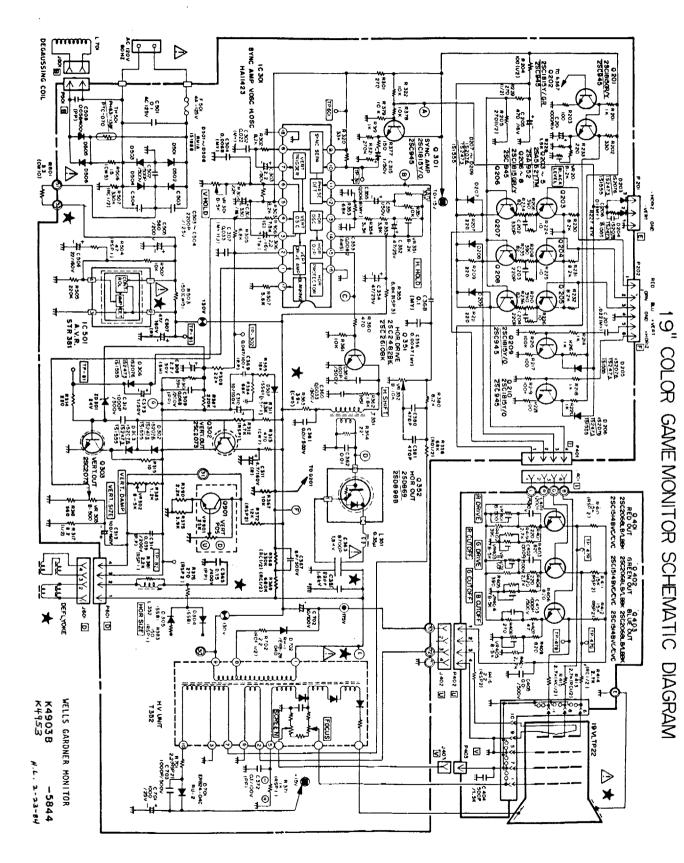
Item	Parts Nos	Description	Specification	Q'ty	Manufacturer
29.	Lol	Choke	RD1113A 3J 3uH loA	1	Hokkoh
30.	1.03	Choke	RD81oA 3F 3uH 5A	1	Hokkoh
3æ.	ପ୍ରo2	Transistor	2SD1o22 or 2SD13o	8 1	Shindengen
32.	Dol	Diode	ESAC 83-004	1	Fuji Denki
33.	Do2	Diode	5CH2M or ESAC25-o	20 <b>1</b>	Fuji Denki or NEC
34.	<b>До</b> З	Diode	- ditto -	1	Fuji Denki
35.	DZo2	Zener Diode	HZ 6B-2	1	Hitachi
36.	DZo3	Zener Diode	HZ 12B-1L	1	Hitach <b>i</b>
37	THYOl	Thyristor	5PIM or SE5B41	1	NEC or Toshiba
38.	ICo2	I.C.	TL431 CLP	1	T.T.
39,	Col, o2`	Capacitor	SXA 16VB 2200	2	Nichi-Chemi
40.	Co3, o5	Capacitor	CEUSM 1V 47a 35V 47oµf	2	Nichi-con
41	Co4	Capacitor	CEUSM IE 331 25V 330µf	1	Nichi-con
42.	Co7, o6	Capacitor	CEUSM 1E 331 25W 33oµf	2	Nichi-con
43.	Co8	Capacitor	CEUSM 1H olo	1	Nichi-con 50W lµf
44.	<b>C</b> 09	Capacitor	CEUSM 1V 4R7 35V 4.7µf	1	Nichi-con
45.	Cll	Film Capacitor	TDY1H/2A 104K 50V 0.1µf	1	Nichi-con:
46.	Rol, 13	Resistor	ERG 3SJ 68oH	2	Matsushita 3W 680
47 •	Ro8	Resistor	ERG3SJ 271H	1	Matsushita 3W 2700
48.	Ro9	Resistor	ERG' 2SJ R68 2W o.68 ohm	1	Matsushita
49.	Rlo	Resistor	ERG 1SJ 271 1W 270 ohm	1	Matsushita
50.	RVol	Volume	EVM38GA ooB52 500 ohm	1	Matsushita
51.	Ro3	Carbon Resistor	1/4W 68 ohm	1	
52.	Ro4, 11	Carbon Resistor	1/4W 560 ohm	2	
53. 54. 55.	Ro5 Ro6 Ro2	Carbon Resistor Carbon Resistor	1/4W 390 ohm 1/4W 15 ohm	1	
56. 57. 58.	TB1	P.C. Board Terminal Strip Terminals	Faston	1 1 7	



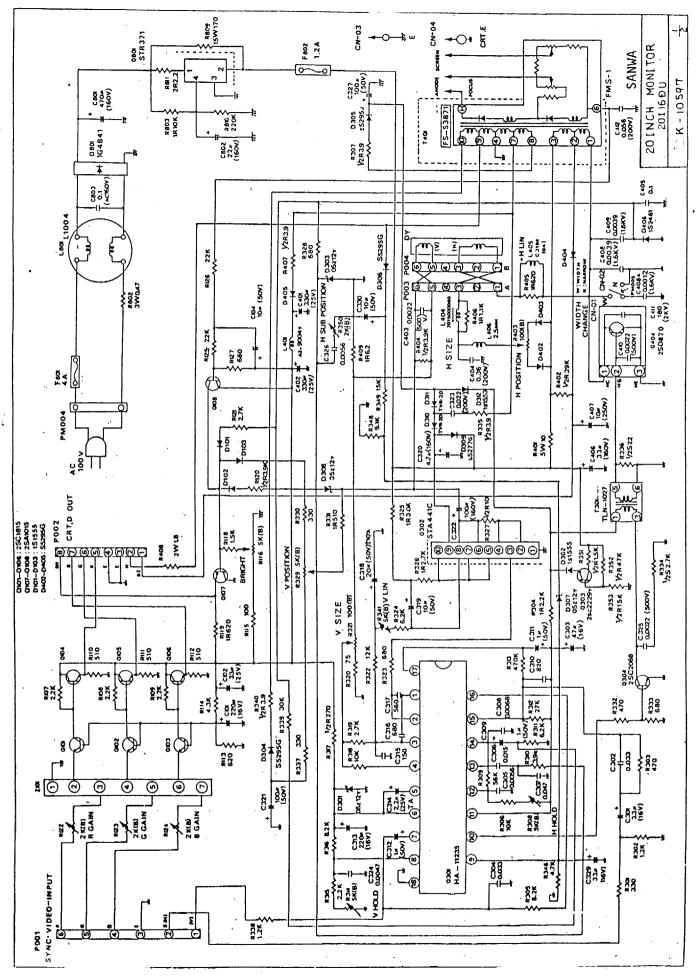
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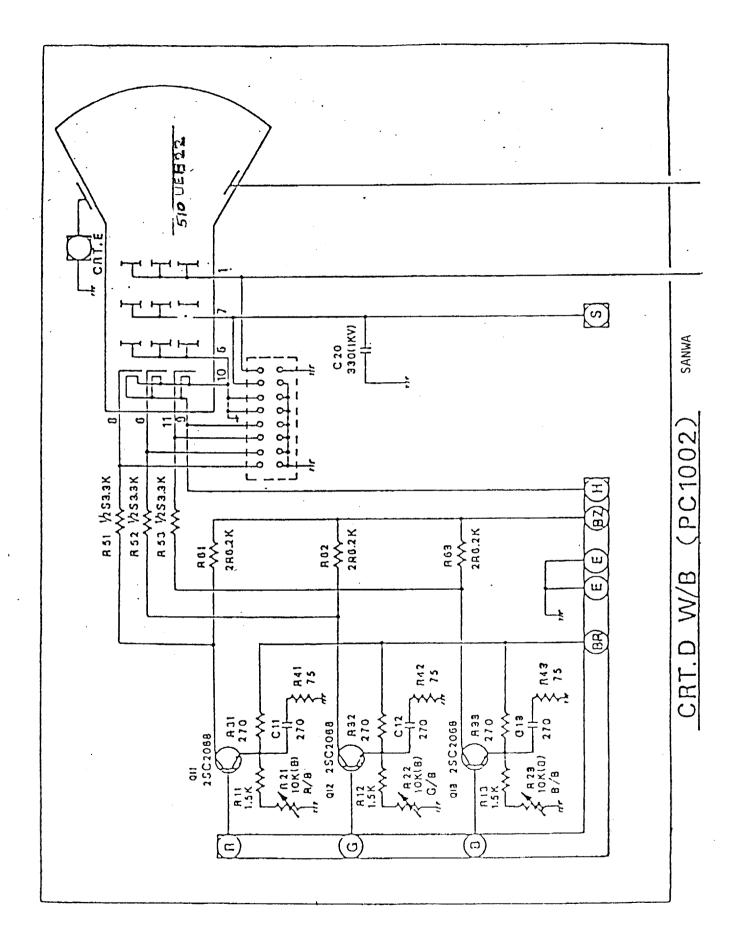
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