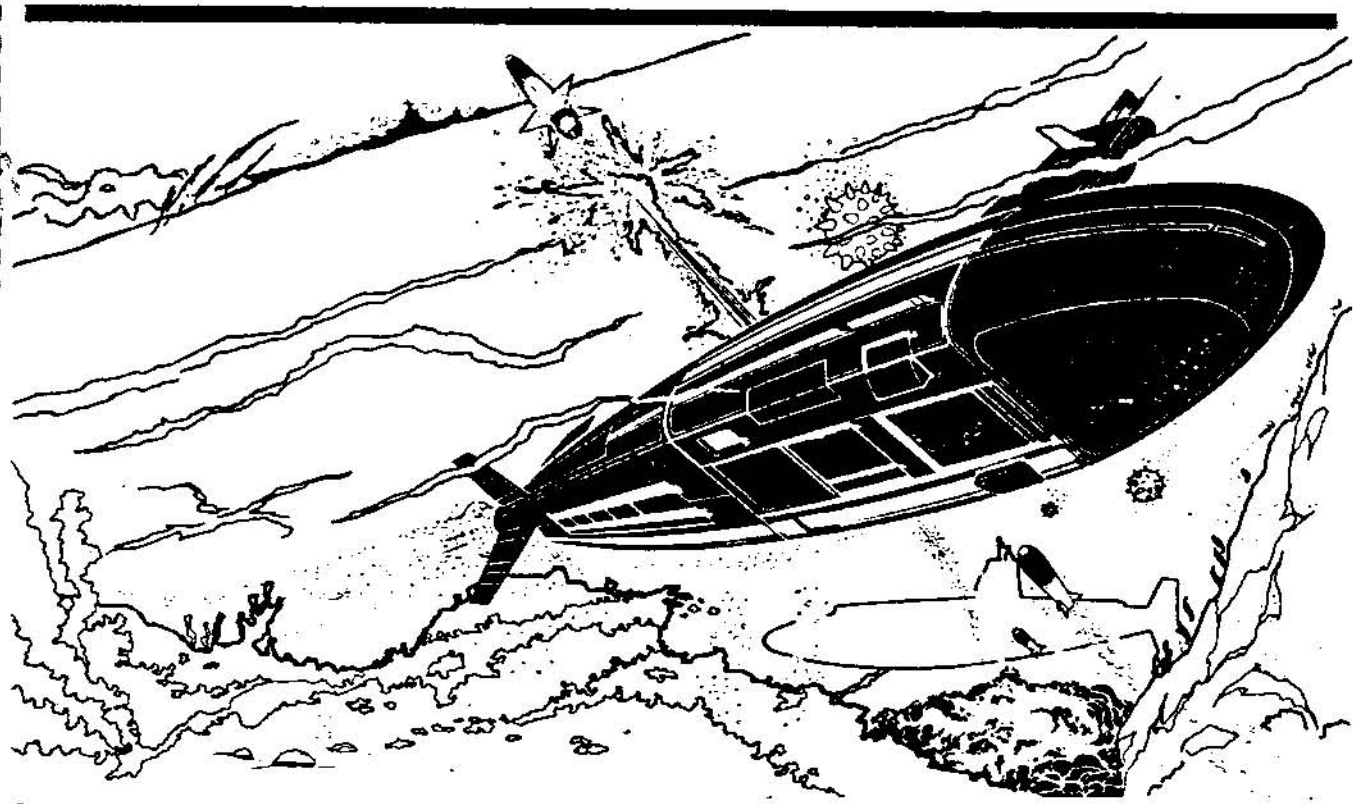
POLARIS™

COLOR



SERVICE INSTRUCTIONS AND PARTS CATALOG

TAITO

TAITO CORPORATION

PS070024

5. Play Instructions

- o Insert coin(s).
- o Select game 1 or 2 players.
- o Shoot jet planes  , frigates  , enemy subs  , and airplanes  for points, while avoiding enemy attack.
- o Scoring:

??? Pts. ??? Pts. 100 Pts. 50 Pts. 30 Pts. 10 Pts.

- o In a two player game, play alternates between the two after each missing.

Additional Information:

- o Homing missiles and mines cannot be destroyed.
- o When a anti-sub airplane is hit, some mystery points (500, 1000, 1500, or 2000 points) are scored.
- o When an enemy sub is hit, some mystery points (300, 500, 700, or 900 points) are scored.
- o When score exceeds 5,000 points, one sub is added with music.
- o As the frame progresses, the bonus points increse from 1,000 to 9,000 points.
- o Game is over when all of player8s subs have been destroyed.

6. Adjustments on Switcing Regulator PC Board

(See Fig. 3)

Caution: The line voltages should be set within the limit. Failure to do so may result in destruction of the IC's.

o To check the output voltage, measure them on the G-connector or the T-connector.
(See the cable block diagram, in this manual.)

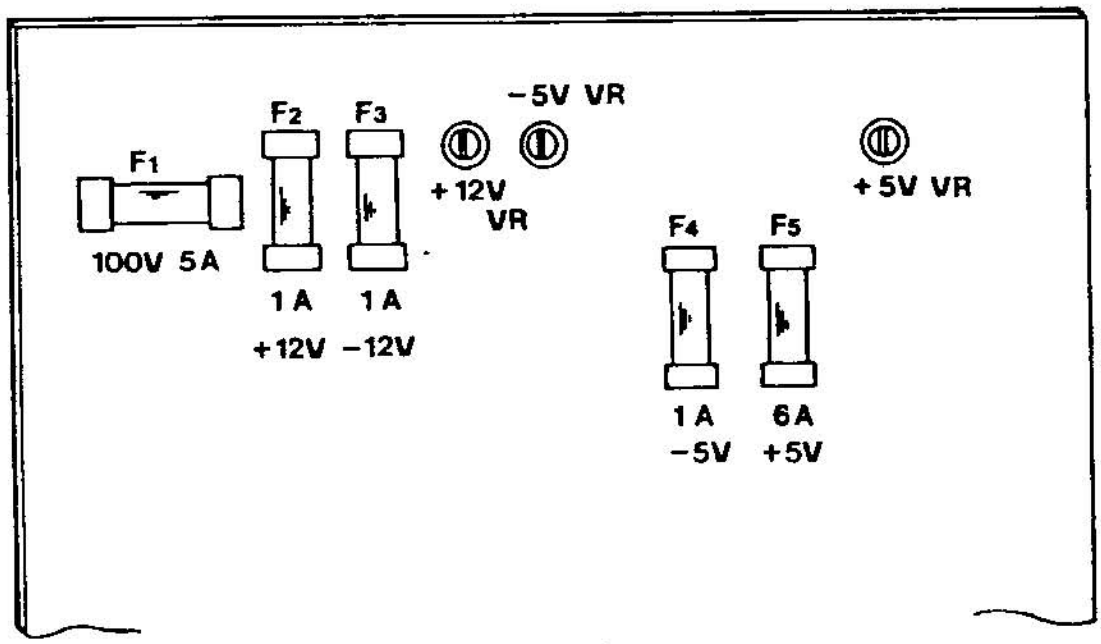


Fig. 3

o +5V VR ... Pot for adjusting +5V DC line voltage
(Adjustable range: +4.5V to +5.5V DC)
Set approx. +5V.

o -5V VR ... Pot for adjusting -5V DC line voltage
(Adjustable range: -5.5V to -4.5V DC.)
Set approx. -5V.
When the +5V line hes no load, this -5V voltage is not present on the line.

o +12V VR .. Pot for adjusting +12V DC line voltage
(Adjustable range: +10.8V to +13.2V DC)
Set approx. +12V.

7. Adjustments on Game PCB (See Fig. 4 and Table 1 - 3)

o To decrease the sounds turn each pot as shown by the arrowhead.

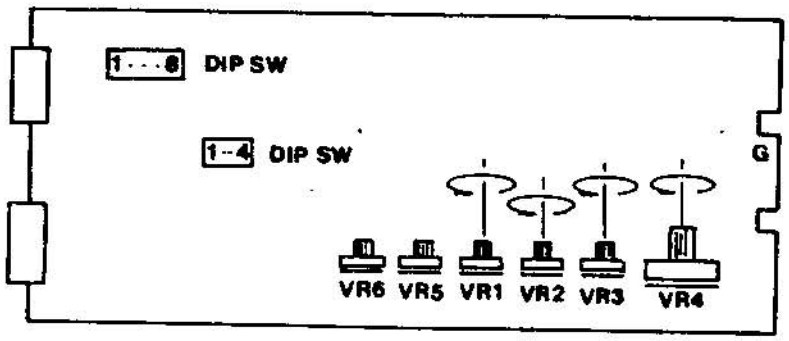


Fig. 4

* VR1 ... Pot for adjusting the effective sounds; firing sounds, anti-sub airplane nose diving sounds, bomb hit sounds, jet plane hit sounds, and frigate hit sounds.
* VR2 ... Pot for adjusting frigate appearing sounds and enemy sub hit sounds.
* VR3 ... Pot for adjusting the music produced when bonus points are scored or an extended play is awarded.
* VR4 ... Pot for adjusting the total sounds.
* VR5, VR6 ... These pots are for adjusting the solid-state modules, which are for factory adjustments.

Setting of DIP Switche:

DIP SW1

* SW1,SW2 ... Switches for changing the number of player's subs (POLARIS)

Polaris	3	4	5	6
SW 1	ON	OFF	ON	OFF
SW 2	ON	ON	OFF	OFF

Table 1

This number is preset at "3" at the factory.

o SW3 ... Switch for Game Style

SW 3	ON	Upright Version
	OFF	T T Version

Table 2

As this game is an upright version, this switch should be set at "ON" position.

o SW4 ... Switch for checking game features

When this switch is set at "OFF" position, no hits are made if bombs hit player's sub.

Normally, this switch should be set at "ON" position.

o SW5 ... Switch for demonstration sounds

Effective sounds for appealing to the customers can be produced. (Polaris sounds)

SW 5	ON	No sounds are produced.
	OFF	Sounds are produced.

Table 3

o SW6,SW7 ... These switches are not used in this game, and should be set at "OFF" positions.

o SW8 ... Switch for Preset Mode

When this switch is set at "OFF" position, the check can be mode. When checking, each switch should be set first. Normally this switch should be set at "ON" position.

1 PLAYER START SW ... 1P's points are increased by 50 points.

2 PLAYER START SW ... 2P'S points are increased by 50 points.

1 PLAYER UP SW ..... The levele becomes high.

1 PLAYER FIRE SW .... The game starts.

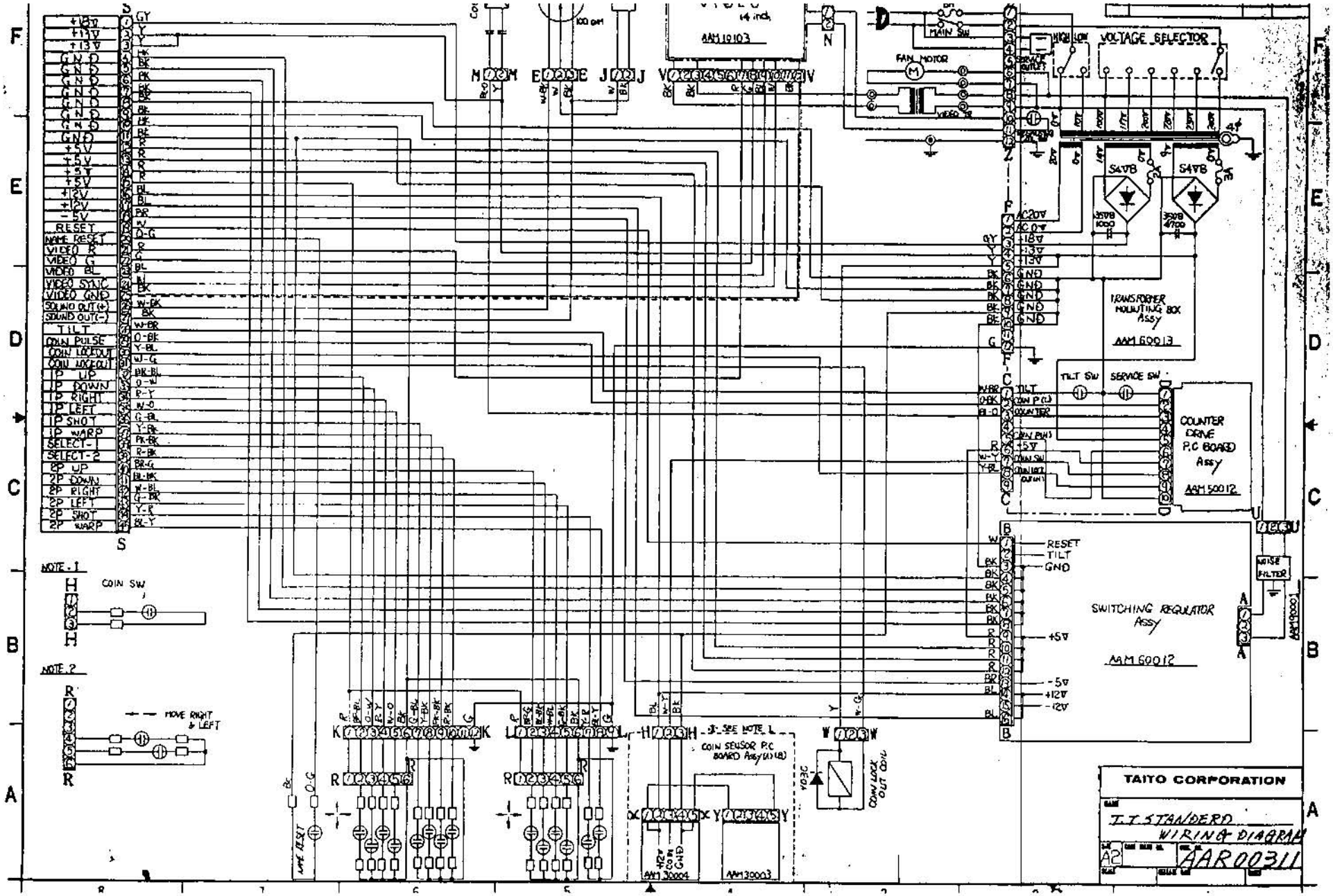
DIP SW2

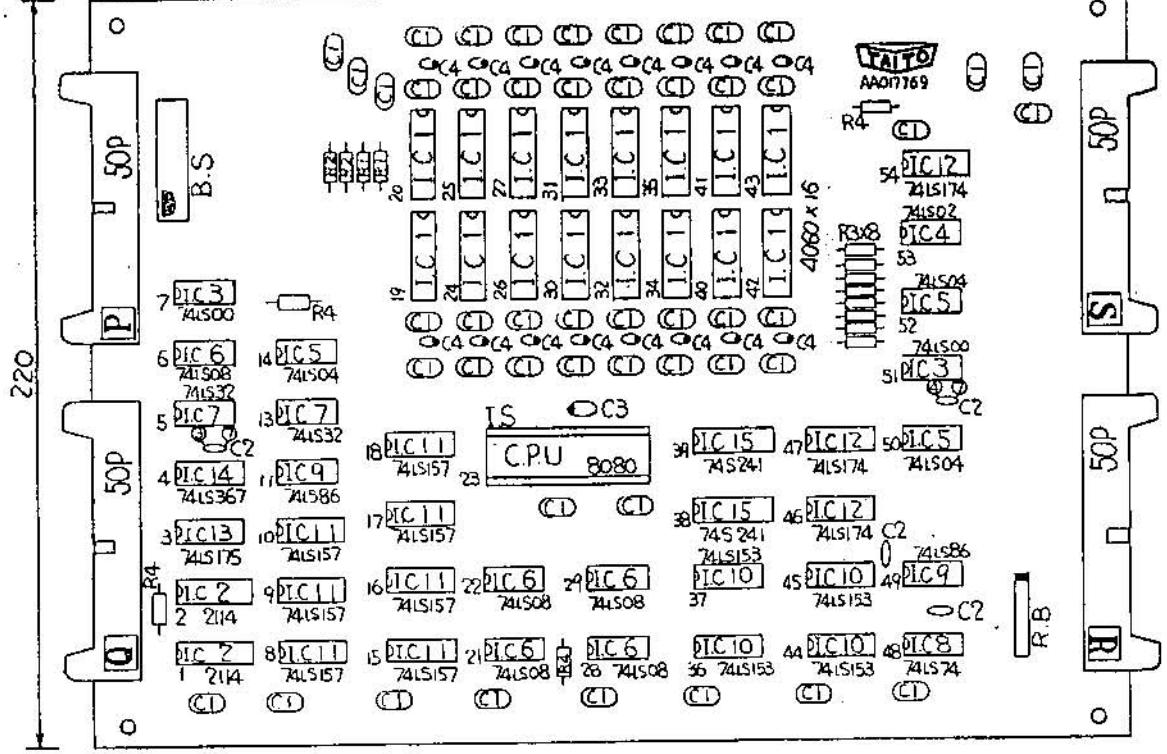
o SW1-SW3 ... These switches are not used and ahould be set "OFF" positions.

o SW4 ... Switch for Screen Inversion

"ON" ... Inversion "OFF" ... No Inversion

Normally, this switch should be set at "OFF" position.


+18V
+13V
+13V
GND
GND
GND
GND
GND
GND
GND
+5V
+5V
+5V
+5V
+12V
+12V
-5V
RESET
NAME RESET
VIDEO R
VIDEO G
VIDEO BL
VIDEO SYNC
VIDEO GND
SOUND OUT(+)
SOUND OUT(-)
TILT
COIN PULSE
COIN LOCKOUT
COIN LOCKOUT
1P UP
1P DOWN
1P RIGHT
1P LEFT
1P SHOT
1P WARP
SELECT-1
SELECT-2
2P UP
2P DOWN
2P RIGHT
2P LEFT
2P SHOT
2P WARP
MAIN SW
FAN MOTOR
VOLTAGE SELECTOR
S4VB
TRANSFORMER MOUNTING BOX Assy
AAM 60013
TILT SW
SERVICE SW
COUNTER DRIVE P.C BOARD Assy
AAM 60012
SWITCHING REGULATOR Assy
AAM 60012
RESET
TILT
GND
+5V
-5V
+12V
-12V
NOISE FILTER
AAM 10103
COIN SW
NOTE. 1
NOTE. 2
MOVE RIGHT
LEFT
SEE NOTE. L
COIN SELSOR P.C BOARD Assy(U)(L)
AAM 30004
AAM 30003
COIN LOCK OUT COIL
TAITO CORPORATION
I.T STANDERD WIRING DIAGRAM
A2
AAR00311



CATHODE MARK

CAP, TANTALUM

CAP, FILM

CAP, CERAMIC

NOTE - 1. CAP.

COMMON MARK

NOTE - 2. RESISTOR BLOCK

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

33	R.B	AAT 55041	RESISTOR BLOCK	470ohm 8elements	1
32	R4	51765	RES. CARBON	1K OHM 1/4W±5%	4
31	R3	51753	" "	330 " " "	8
30	R2	51745	" "	150 " " "	2
29	R1	51729	RES. CARBON	330ohm 1/4W±5%	2
28	C4	41425	CAP. TANTALUM	SSG 25 - 1F	16
27	C3	41424	CAP. TANTALUM	SSG 16 - 22F	1
26	C2	41318	CAP. CERAMIC	50V 100PF	4
25	C1	41244	CAP. FILM	TDY-1H-104	49
24	IC15	35001	BUS DRIVER	74S241	2
23	C.P.U	34001	C.P.U	THS 8080	1
22	IC14	33203	L.S I.C	74LS367	1
21	IC13	33128	" "	74LS175	1
20	IC12	33127	" "	74LS174	3
19	IC11	33112	" "	74LS157	7
18	IC10	33108	" "	74LS153	4
17	IC9	33062	" "	74LS86	2
16	IC8	33061	" "	74LS74	1
15	IC7	33027	" "	74LS32	2
14	IC6	33009	" "	74LS08	5
13	IC5	33005	" "	74LS04	3
12	IC4	33003	" "	74LS02	1
11	IC3	33001	L.S I.C	74LS00	2
10	IC2	32166	STATIC RAM	2114-4	2
9	IC1	AAT 32041	DYNAMIC RAM	TMS4060AML	16
8	IS	AAO 55812	I.C SOCKET	40P	1
7	50P	55154	ANGLE PIN HEADER	PS-50PA	4
6	S	17662	CONNECTOR STICKER	S	1
5	R	17659	" "	R	1
4	Q	17656	" "	Q	1
3	P	AAO 17653	CONNECTOR STICKER	P	1
2	B.S	RTO 10005	P.C BOARD STICKER		1
1		AAO 17769	C.P.U P.C BOARD (B)		1
DRAW NO.	SYM	MAN'F'R'S PART NO.	NOMENCLATURE OR DESCRIPTION		QTY REQD

PARTS LIST

TAITO CORPORATION

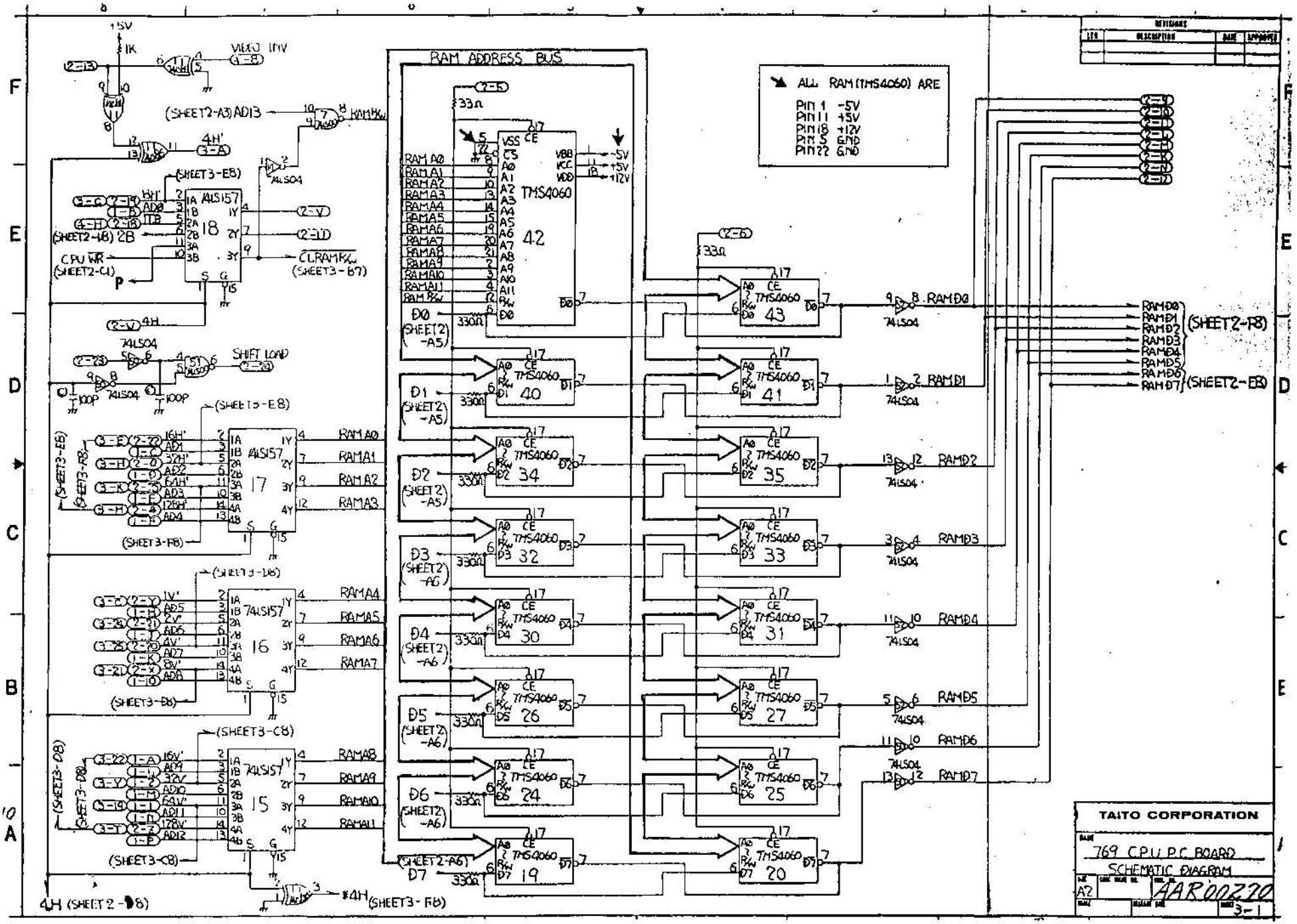
T.T. SPACE CHASER

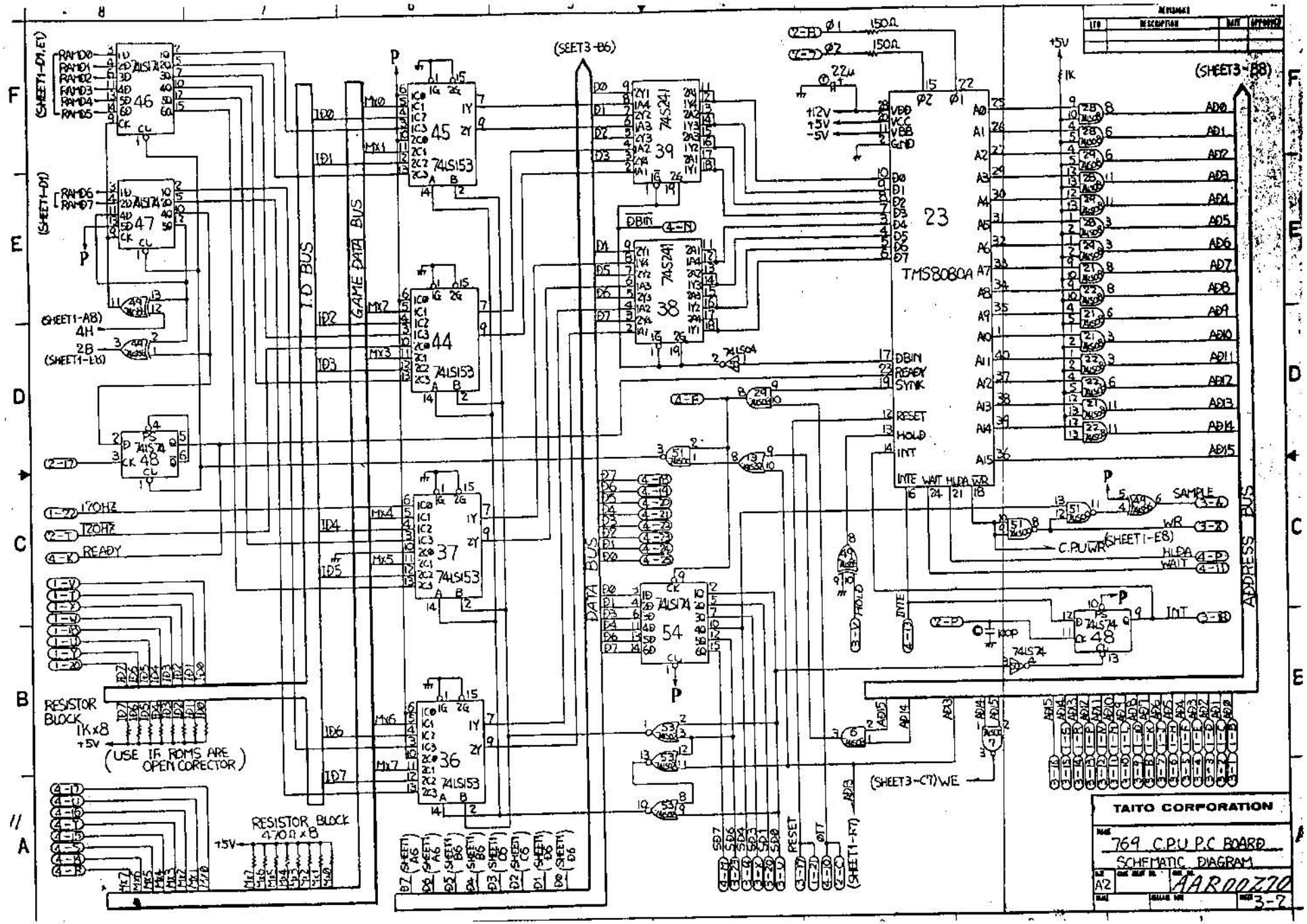
769 - C.P.U P.C BOARD ASSY

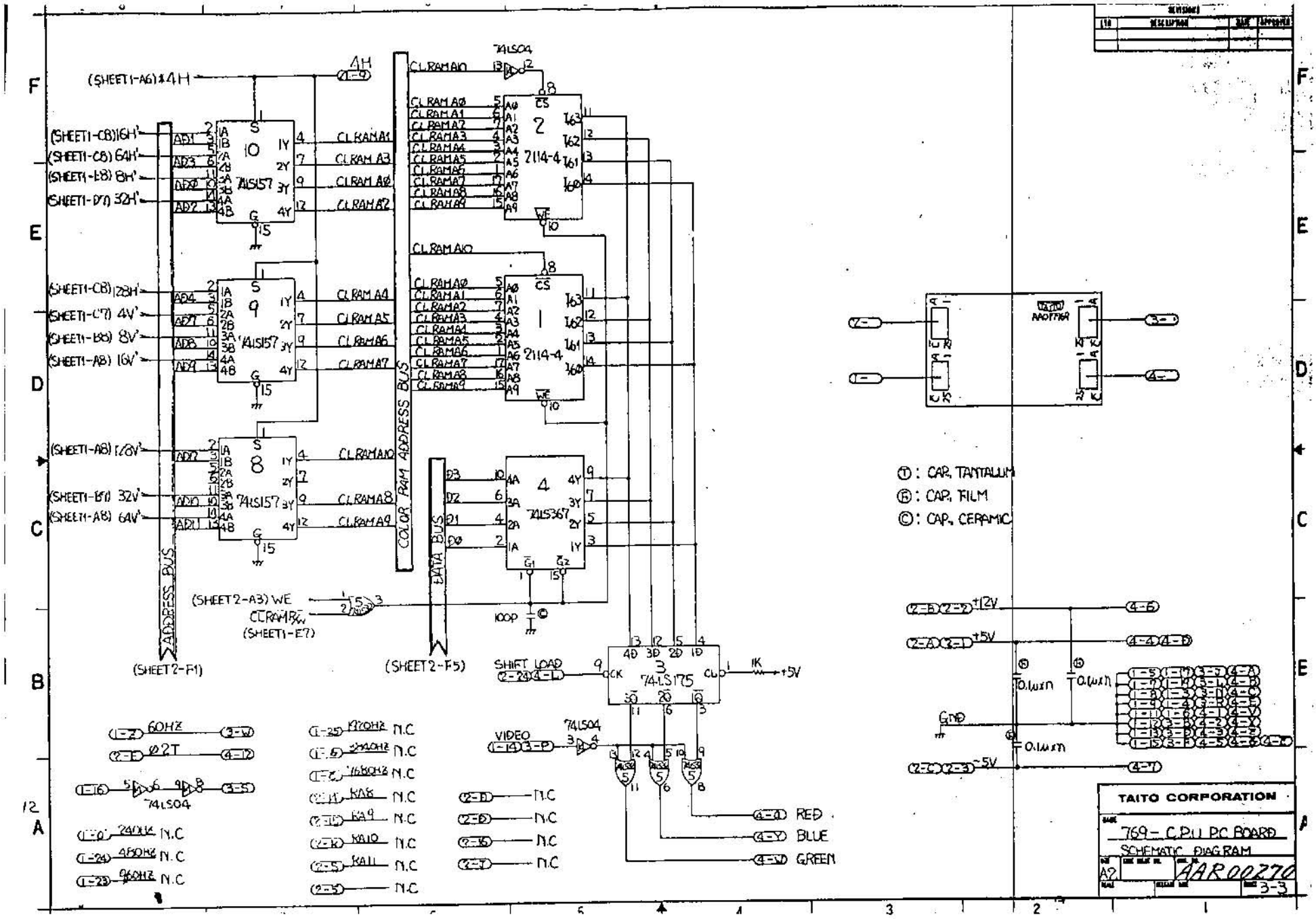
AZ

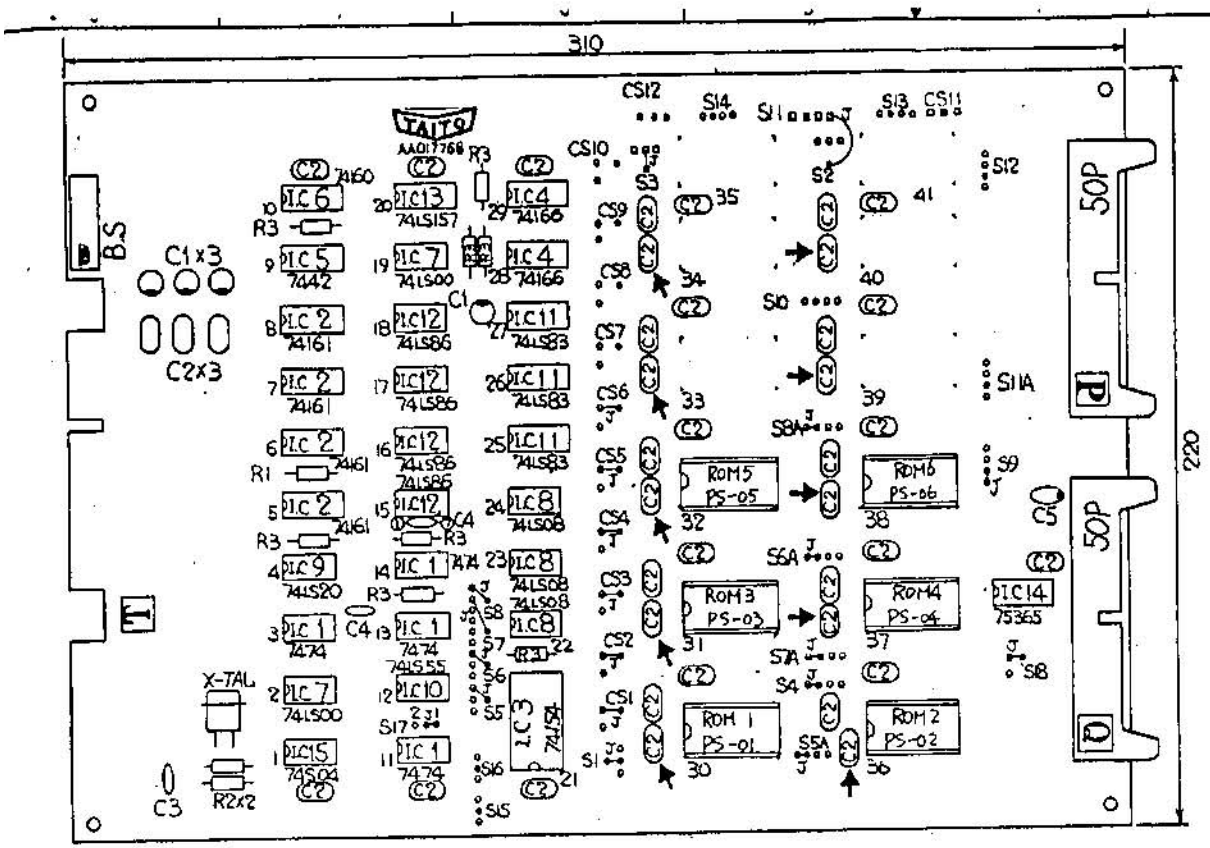
RTN00005

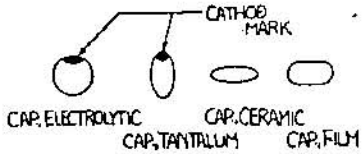
1/1


RAM ADDRESS BUS
ALL RAM (TMS4060) ARE
PIN 1 -5V
PIN 11 +5V
PIN 18 +12V
PIN 5 GND
PIN 22 GND
TMS4060
74LS157
74LS04
VIDEO INV
SHIFT LOAD
CPU WR
CLRAMRW
RAMRW
4H
RAMA0
RAMA1
RAMA2
RAMA3
RAMA4
RAMA5
RAMA6
RAMA7
RAMA8
RAMA9
RAMA10
RAMA11
D0
D1
D2
D3
D4
D5
D6
D7
RAMD0
RAMD1
RAMD2
RAMD3
RAMD4
RAMD5
RAMD6
RAMD7
(SHEET2-P8)
(SHEET2-E8)
TAITO CORPORATION
769 C.P.U. P.C. BOARD
SCHEMATIC DIAGRAM
A2
AAR00210


TMS8080A
I.O BUS
GAME DATA BUS
DATA BUS
ADDRESS BUS
RESISTOR BLOCK 1K x8
RESISTOR BLOCK 470Ω x8
(USE IF ROMS ARE OPEN CORECTOR)
C.P.U WR
WE
SAMPLE
INT
TAITO CORPORATION
769 C.P.U P.C BOARD
SCHEMATIC DIAGRAM
AA00270


(SHEET1-A6) 4H
(SHEET1-C8) 16H
(SHEET1-C8) 64H
(SHEET1-B8) 8H
(SHEET1-D7) 32H
(SHEET1-C8) 128H
(SHEET1-C7) 4V
(SHEET1-B8) 8V
(SHEET1-A8) 16V
(SHEET1-A8) 128V
(SHEET1-B7) 32V
(SHEET1-A8) 64V
74LS157
74LS04
2114-4
74LS367
74LS175
ADDRESS BUS
DATA BUS
COLOR RAM ADDRESS BUS
CLRAMA0
CLRAMA1
CLRAMA2
CLRAMA3
CLRAMA4
CLRAMA5
CLRAMA6
CLRAMA7
CLRAMA8
CLRAMA9
CLRAMA10
(SHEET2-A3) WE
CLRAM R/W
(SHEET1-E7)
(SHEET2-F1)
(SHEET2-F5)
SHIFT LOAD
VIDEO
1K
100P
+5V
60HZ
Ø2T
RED
BLUE
GREEN
N.C
T : CAP. TANTALUM
R : CAP. FILM
C : CAP. CERAMIC
+12V
+5V
-5V
GND
0.1μF
TAITO CORPORATION
769 - C.P.U P.C BOARD
SCHEMATIC DIAGRAM
A2
AAR00270
3-3





NOTE-1. CAP.

NOTE-2. NOT USE THIS MARKED (※) CAPACITOR FOR 2716 & 2316B

ITE	DESCRIPTION	DATE	APPROVED

47						
46						
45						
44						
43						
42						
41						
40						
39						
38	ROM6	PS0	90006	P-ROM	PS-06 (2716)	1
37	ROM5	〃	90005	〃	PS-05	1
36	ROM4	〃	90004	〃	PS-04	1
35	ROM3	〃	90003	〃	PS-03	1
34	ROM2	〃	90002	〃	PS-02	1
33	ROM1	PS0	90001	P-ROM	PS-01 (2716)	1
32	R3	AAT	51765	RES. CARBON	1KΩ 1/4W ±5%	8
31	R2	〃	51753	〃	330 〃 〃	2
30	R1		51738	RES. CARBON	47Ω 1/4W ±5%	1
29	C5		41436	CAP. TANTALUM	SSG 35-1F	1
28	C4		41334	CAP. CERAMIC	470PF	2
27	C3		41324	CAP. CERAMIC	180PF	1
26	C2		41744	CAP. FILM	TDY-1H-104	30
25	C1		41032	CAP. ELECTROLYTIC	25VB-10μF	4
24	IC15		38003	S I.C	74S04	1
23	IC14		35007	MOS DRIVER	75365	1
22	IC13		33112	L.S I.C	74LS157	1
21	IC12		33067		74LS86	4
20	IC11		33059		74LS83	3
19	IC10		33043		74LS55	1
18	IC9		33019		74LS20	1
17	IC8		33009		74LS08	3
16	IC7		33001	L.S I.C	74LS00	2
15	IC6		32086	TTL I.C	74160	1
14	IC5		32039		7442	1
13	IC4		32028		74166	2
12	IC3		32027		74154	1
11	IC2		32018		74161	4
10	IC1	AAT	32011	TTL I.C	7474	4
9	X-TAL	AAO	69539	X-TAL	17.988 MHz	1
8	J		62639	TINNED COPPER WIRE	0.5φ	25cm
7	IS1		55787	I.C SOCKET	24P	6
6	SOP		55154	ANGLE PIN HEADER	PS-50PB	2
5	T		17665	CONNECTOR STICKER	T	1
4	Q	〃	17656	〃	Q	1
3	P	AAO	17653	CONNECTOR STICKER	P	1
2	B.S	PS0	70004	P.C. BOARD STICKER		1
1		AAO	17768	C.P.U-P.C. BOARD (A)		1
DWG NO.	SYM	QUANTITY OF SELECTION NO.		NOMENCLATURE OR DESCRIPTION		QUANTITY PER UNIT

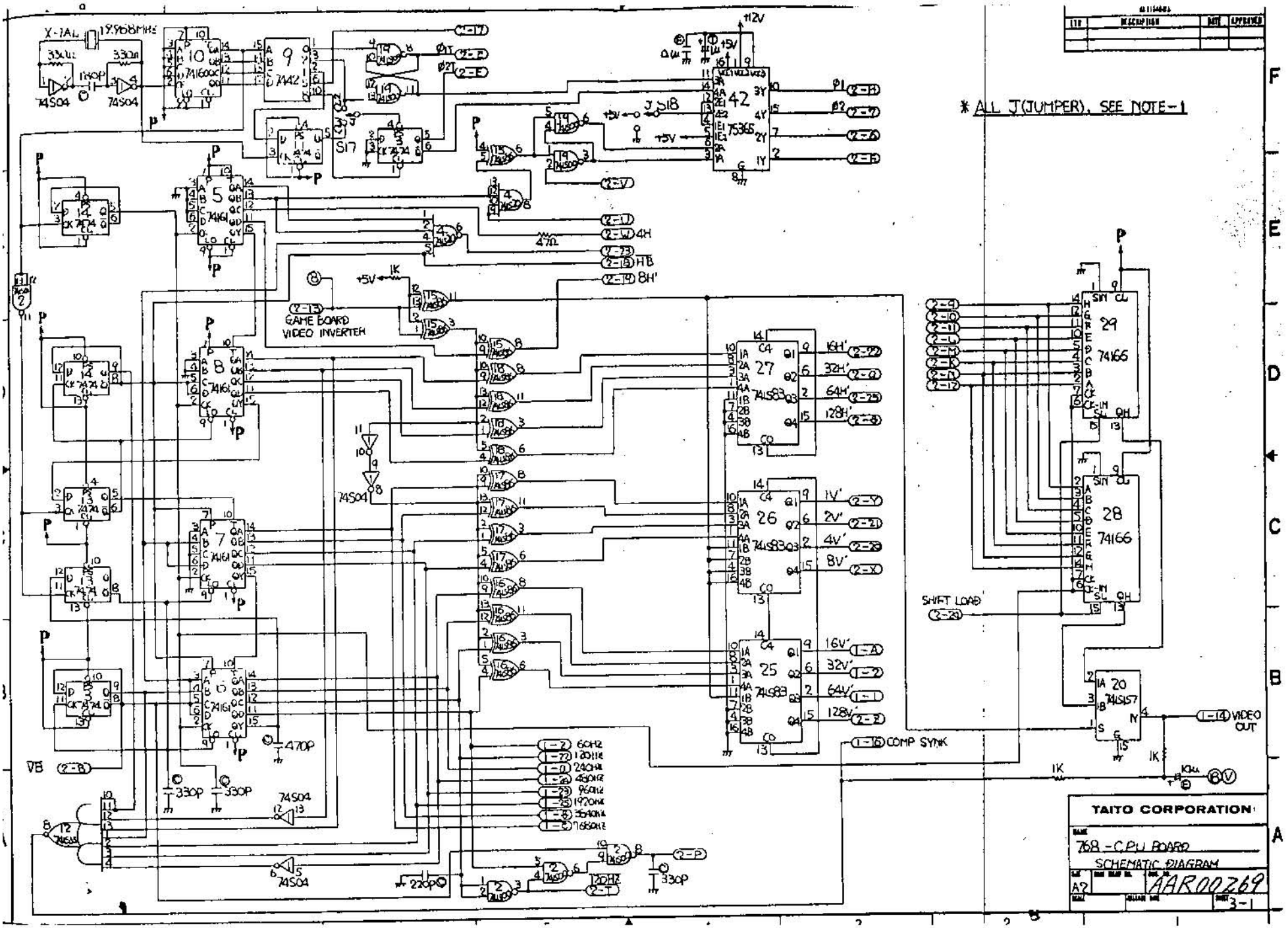
PARTS LIST

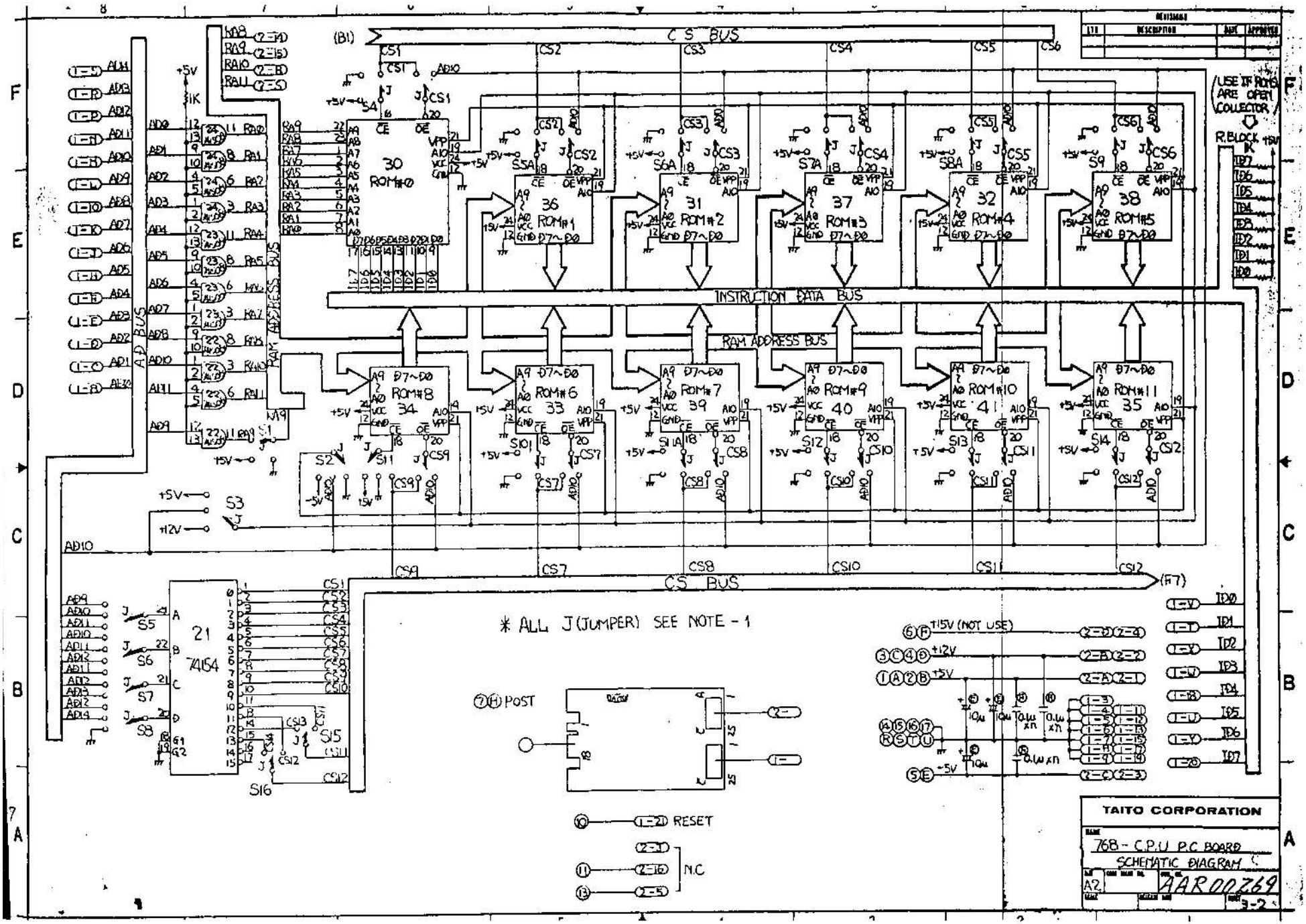
TAITO CORPORATION

NAME T.T. POLARIS
P.S -C.P.U P.C BOARD ASSY

SIZE A2 | CONT. DRAWING NO. | DWG. NO. PSN00002

SCALE | RELEASE DATE | SHEET


* ALL J(JUMPER), SEE NOTE-1
GAME BOARD VIDEO INVERTER
SHIFT LOAD
COMP SYNC
VIDEO OUT
TAITO CORPORATION
768 - C.P.U BOARD
SCHEMATIC DIAGRAM
AARO0269


CS BUS
INSTRUCTION DATA BUS
RAM ADDRESS BUS
AD BUS
RAM ADDRESS BUS
ROM#0
ROM#1
ROM#2
ROM#3
ROM#4
ROM#5
ROM#6
ROM#7
ROM#8
ROM#9
ROM#10
ROM#11
* ALL J(JUMPER) SEE NOTE - 1
POST
RESET
N.C
(USE IF ROMS ARE OPEN COLLECTOR)
R.BLOCK
TAITO CORPORATION
768 - C.P.U P.C BOARD
SCHEMATIC DIAGRAM (
AA00769

	JUMPER SWICH																																
MACHINE NAME	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S5A	S6A	S7A	S8A	S1A	CS1	CS2	CS3	CS4	CS5	CS6	CS7	CS8	CS9	CS10	CS11	CS12
LUPIN the III	RA9	+5V	AD10	CS1	AD11	AD12	AD13	GND	CS6	CS7							CL1	+5V	CS2	CS3	CS4	CS5		CS1	CS2	CS3	CS4	CS5	CS6	CS7					
ASTRO ZONE	RA9	+5V	AD10	CS1	AD11	AD12	AD13	GND									CL1	+5V	CS2	CS3	CS4	CS5		CS1	CS2	CS3	CS4	CS5							
POLARIS	RA9	+5V	AD10	CS1	AD11	AD12	AD13	GND	CS6								CL1	+5V	CS2	CS3	CS4	CS5		CS1	CS2	CS3	CS4	CS5	CS6						

NOTE-1 JUMPE WAEING

	ROM												
MACHINE NAME	ROM#0	ROM#1	ROM#2	ROM#3	ROM#4	ROM#5	ROM#6	ROM#7	ROM#8	ROM#9	ROM#10	ROM#11	DESCRIPTION
LUPIN the III	LP-12	LP-13	LP-14	LP-15	LP-16	LP-17	LP18						2716
ASTRO ZONE	GE-01	GE-02	GE-03	GE-04	GE-05								2716
POLARIS	PS-01	PS-02	PS-03	PS-04	PS-05	PS-06							2716

NOTE-2 P-ROM

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

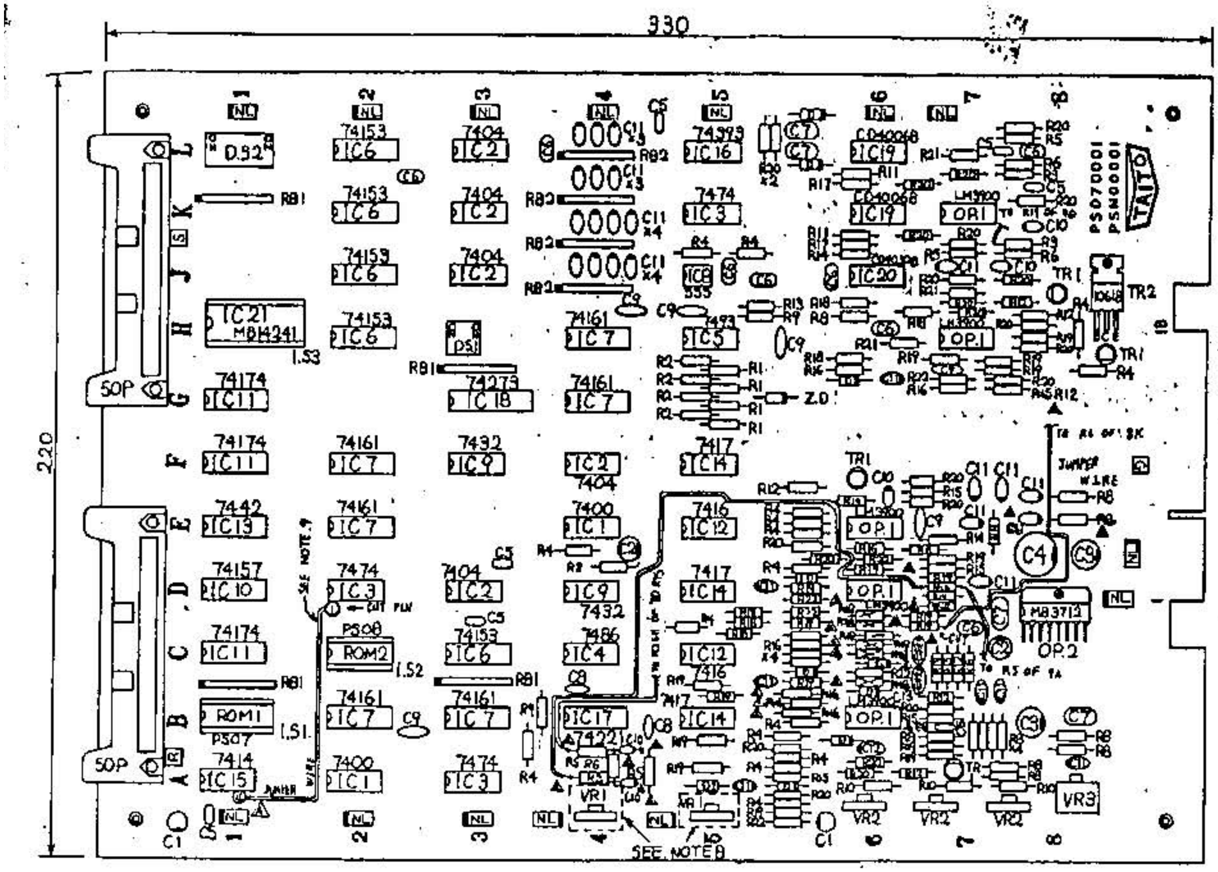
TAITO CORPORATION

768-CPU P.C BOARD

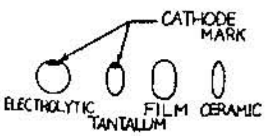
SCHEMATIC DIAGRAM

A2 AAR00269

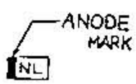
3-3



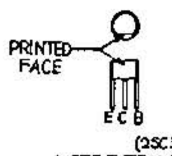
86					
85					
84					
83	R5	AAT41433	CAP. TANTLUM	35G35-0R33F	1
82			JUMPER WIRE	1/4	400
No.	Sym		DESCRIPTION OR DESCRIPTION		



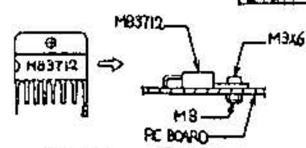
NOTE1 CAP



NOTE.3 NOISE LIMIT



NOTE.5 TRANSISTOR

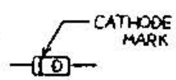


NOTE.7 MB3712

WIRING	
ADDRESS	ADDRESS
4A (R2)	7D (LEFT OF R15)
4A (R5)	7D (RIGHT OF R15)
8K (R3)	7D (2.9)
1A (+PLN)	2D (1 PLN)

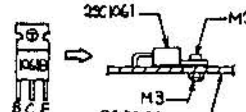
CUT THE 1st PIN OF IC 20

NOTE. 9 JUMPER WIRE

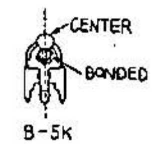


NOTE.2 DIODE

NOTE.4 RESISTOR BLOCK



NOTE.6 TRANSISTOR (2SC1061)



NOTE.8 VARIABLE RES.

No.	Sym	Part No.	Description	Spec	Qty
81	[illegible]	AAO[illegible]	LOCKING CIRCUIT [illegible]	[illegible]	[illegible]
80	NL	AAT61020	NOISE LIMIT	[illegible]	13
79	RB2	55061	RESISTOR BLOCK	[illegible]	2
78	RB1	55056	RESISTOR BLOCK	[illegible]	2
77	VR3	53047	VARIABLE RESISTOR	B-5K	1
76	VR2	53041	〃	50K	[illegible]
75	VR1	53038	VARIABLE RESISTOR	20K	[illegible]
74	R22	51847	RES. CARBON	2.7M	[illegible]
73	R21	51845	〃	2.2M	[illegible]
72	R20	51837	〃	1M	[illegible]
71	R19	51835	〃	680K	[illegible]
70	R18	51831	〃	470K	[illegible]
69	R17	51823	〃	[illegible]	[illegible]
68	R16	51815	〃	220K	[illegible]
67	R15	51813	〃	180K	[illegible]
66	R14	51807	〃	[illegible]	[illegible]
65	R13	51805	〃	47K	[illegible]
64	R12	51801	〃	33K	[illegible]
63	R11	51799	〃	27K	[illegible]
62	R10	51797	〃	22K	[illegible]
61	R9	51791	〃	12K	[illegible]
60	R8	51789	〃	10K	16
59	R7	51781	〃	8.2K	[illegible]
58	R6	51785	〃	6.8K	[illegible]
57	R5	51772	〃	3K	[illegible]
56	R4	51765	〃	1K	[illegible]
55	R3	51759	〃	560	[illegible]
54	R2	51751	〃	270	4
53	R1	51741	RES. CARBON	100ohm 1/4W ±5%	4
52	C12	41437	CAP. TANTALUM	35G35-0R33F	[illegible]
51	C11	41436	〃	35G35-1F	[illegible]
50	C10	41432	CAP. TANTALUM	35G35-0R22F	[illegible]
49	C9	41424	CAP. CERAMIC	100PF 50V	6
48	C8	41410	CAP. CERAMIC	47PF 50V	[illegible]
47	C7	41244	CAP. FILM	1DY-1H-104	4
46	C6	41238	〃	1DY-1H-103	[illegible]
45	C5	41232	CAP. FILM	1DY-1H-102	6
44	C4	41039	CAP. ELECTROLYTIC	35V8-470	[illegible]
43	C3	41036	〃	25V8-100	2
42	C2	41035	〃	25V8-47	2
41	C1	AAT41032	CAP. ELECTROLYTIC	25V8-10	2
40	ROM2	PS090008	P-ROM (74S287)	PS08	
39	ROM1	PS090007	P-ROM (745)	PS07	
38	IC21	AAT37001	CUSTOM IC	MB14241	1
37	IC20	36031	C-MOS	CD4010B	
36	IC19	36007	C-MOS	CD4006B	2
35	IC18	32151	TTL IC	74273	
34	IC17	32077	〃	74221	
33	IC16	32076	〃	74393	
32	IC15	32054	〃	7414	
31	IC14	32049	〃	7417	3
30	IC13	32039	〃	7442	
29	IC12	32033	〃	7416	2
28	IC11	32029	〃	74174	3
27	IC10	32024	〃	74157	
26	IC9	32021	〃	7432	2
25	IC8	32019	〃	NE555V	
24	IC7	32018	〃	74161	6
23	IC6	32017	〃	74153	5
22	IC5	32015	〃	7493	
21	IC4	32013	〃	7486	
20	IC3	32011	〃	7474	3
19	IC2	32003	〃	7404	5
18	IC1	AAT32001	TTL IC	7400	2
17			NUT	M3	
16			PAN HD SCREW	M3x6	
15	OP2	AAT31042	OP AMPLIFIER	MB3712	
14	OP1	31011	OP AMPLIFIER	LM3900	5
13	Z.D	13028	ZENER DIODE	RD-7A-M	
12	D	AAT12025	DIODE	1S1588	[illegible]
11			NUT	M3	
10			PAN HD SCREW	M3x6	
9	TR2	AAT11030	TRANSISTOR	2SC1061B	
8	TR1	AAT11020	TRANSISTOR	2SC372-0	4
7	50P	AAO55154	ANGLE PIN HEADER	PS30PA	2
6	IS3	55787	IC SOCKET	24P	
5	IS2	55786	IC SOCKET	16P	
4	IS1	55103	IC SOCKET	18P	
3	DS2	52566	DIP SWITCH	DSS-8	
2	DS1	AAO52548	DIP SWITCH	DSS-4	
1		PSO70001	PS-GAME PC BOARD		

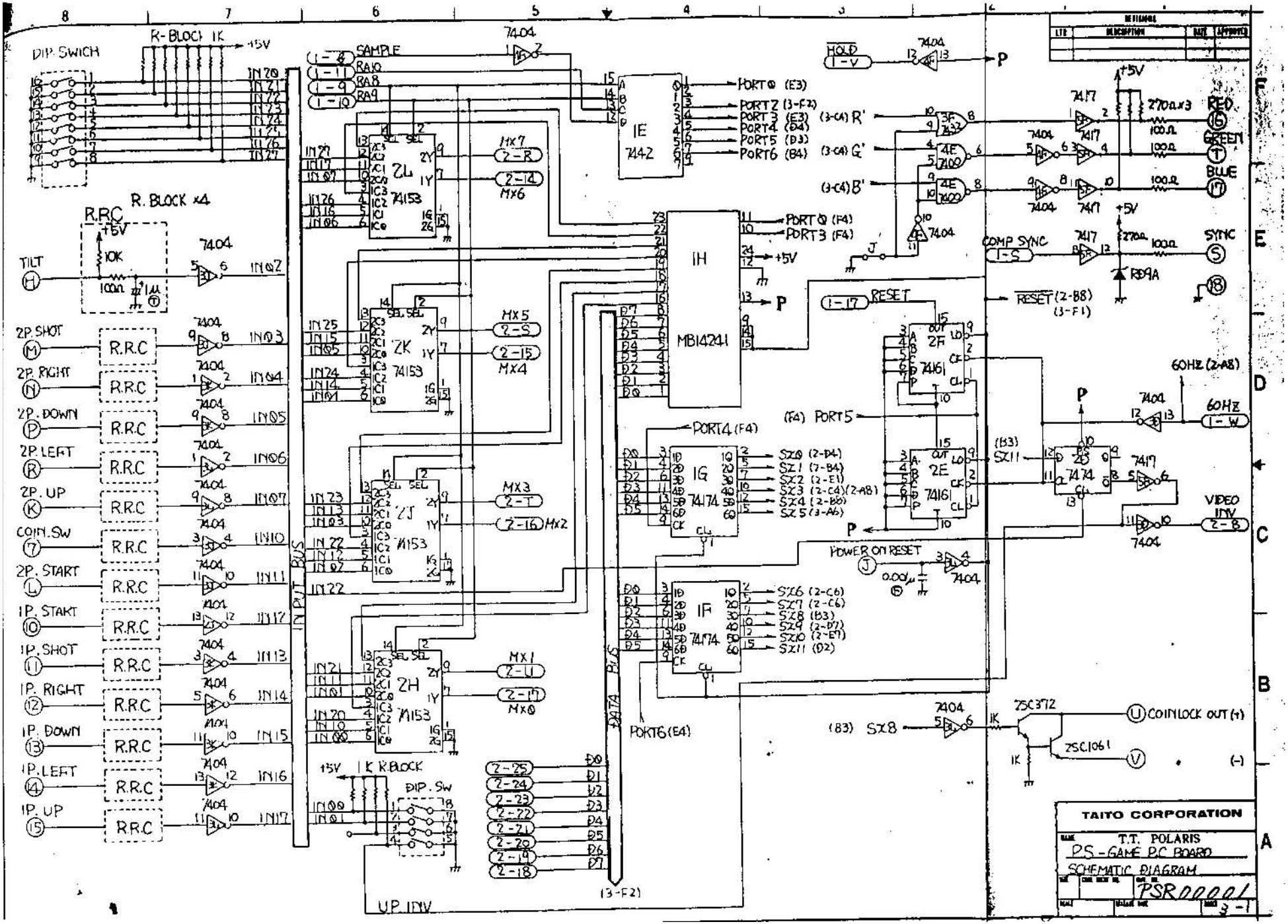
PARTS LIST

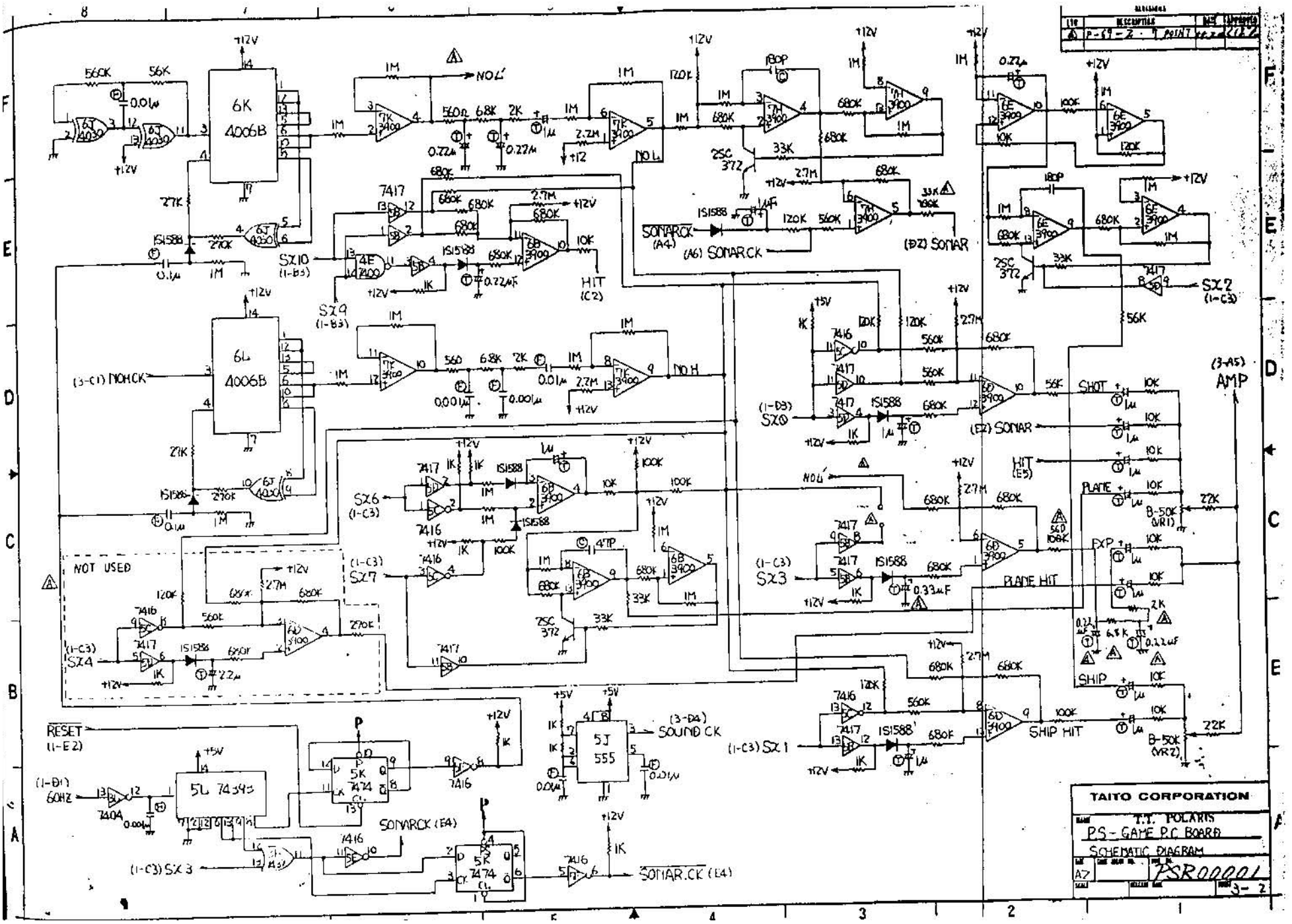
TAITO CORPORATION

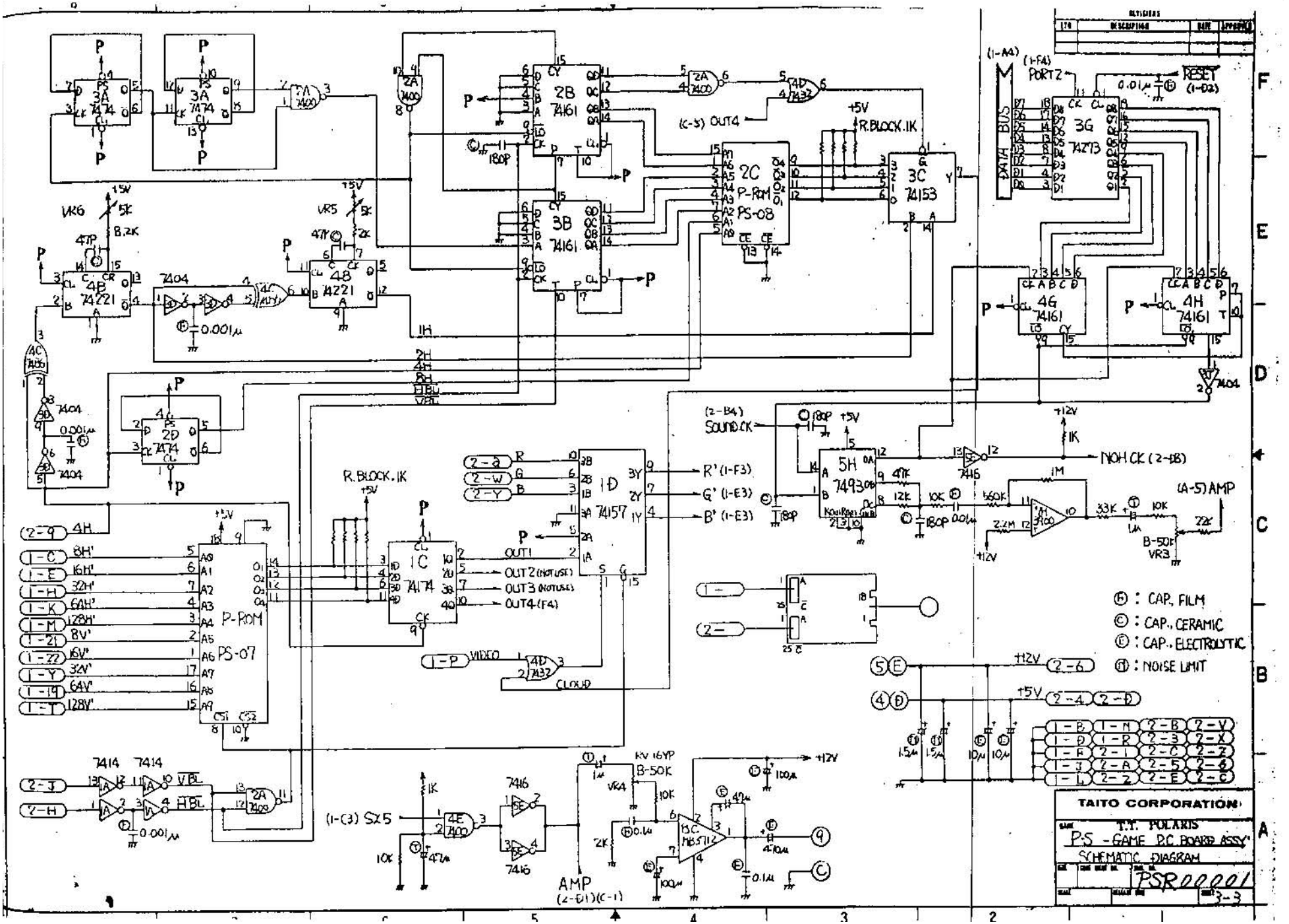
T.T. POLARIS

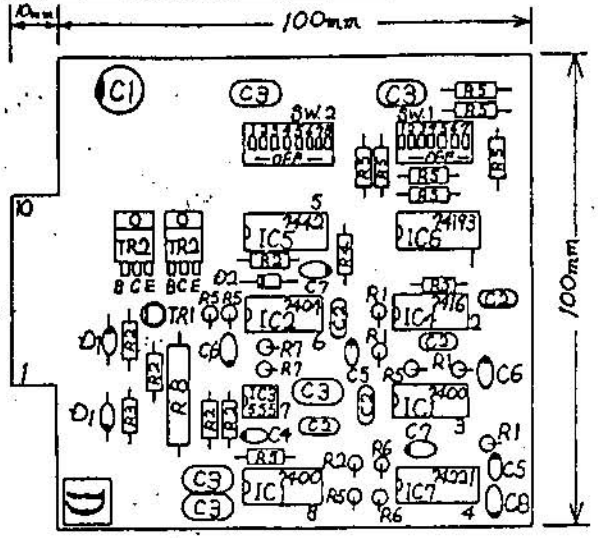
PS-GAME PC BOARD ASSY.

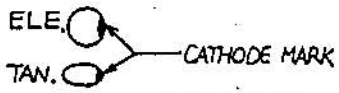
A1 PSN00001


DIP. SWICH
R-BLOCK 1K
+5V
R. BLOCK ×4
R.R.C
TILT
2P. SHOT
2P. RIGHT
2P. DOWN
2P. LEFT
2P. UP
COIN. SW
2P. START
1P. START
1P. SHOT
1P. RIGHT
1P. DOWN
1P. LEFT
1P. UP
INPUT BUS
7404
SAMPLE
RA10
RA8
RA9
IE 7442
PORT0 (E3)
PORT2 (3-F2)
PORT3 (E3)
PORT4 (D4)
PORT5 (D3)
PORT6 (B4)
2L 74153
2K 74153
2J 74153
2H 74153
MX7
MX6
MX5
MX4
MX3
MX2
MX1
MX0
IH MB14241
PORT0 (F4)
PORT3 (F4)
PORT4 (F4)
PORT5 (F4)
PORT6 (E4)
1G 74174
1F 74174
2F 74161
2E 74161
2E 74174
HOLD
RESET
POWER ON RESET
DATA BUS
UP. INV
(3-F2)
(3-C4) R'
(3-C4) G'
(3-C4) B'
COMP SYNC
RED
GREEN
BLUE
SYNC
270Ω×3
100Ω
RD9A
60HZ (2-A8)
VIDEO INV
(B3) SZ11
(B3) SZ8
2SC372
2SC1061
COINLOCK OUT (+)
(-)
TAITO CORPORATION
T.T. POLARIS
PS-GAME P.C BOARD
SCHEMATIC DIAGRAM
PSR00001

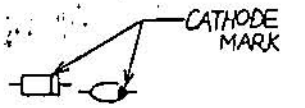

NOT USED
SONARCK (E4)
SONAR.CK (E4)
SOUND CK
RESET
HIT
SHOT
PLANE
EXP
SHIP
SHIP HIT
PLANE HIT
AMP
TAITO CORPORATION
T.T. POLARIS
PS-GAME P.C. BOARD
SCHEMATIC DIAGRAM
PSR00001


TAITO CORPORATION
T.T. POLARIS
P.S -GAME P.C BOARD ASSY
SCHEMATIC DIAGRAM
PSR00001
3-3
P-ROM PS-07
P-ROM PS-08
2C
3C 74153
3G 74273
4G 74161
4H 74161
5H 7493
1C 74174
1D 74157
2B 74161
3B 74161
4B 74221
4C 74221
2D 74174
3A 74174
2A 7400
4A 7432
4D 7432
4E 7400
7A 7400
7404
7414
7416
R.BLOCK.1K
R.BLOCK.1K
+5V
+12V
PORT2
RESET
DATA BUS
SOUND CK
NOH CK (2-B8)
(A-5) AMP
AMP
VBL
HBL
CLOUD
VIDEO
R' (1-F3)
G' (1-E3)
B' (1-E3)
OUT1
OUT2 (NOTUSE)
OUT3 (NOTUSE)
OUT4 (F4)
(C-5) OUT4
(1-A4)
(1-F4)
(1-D2)
(2-B4)
(1-G3) SX5
Ⓗ : CAP. FILM
Ⓒ : CAP., CERAMIC
Ⓔ : CAP., ELECTROLYTIC
Ⓝ : NOISE LIMIT

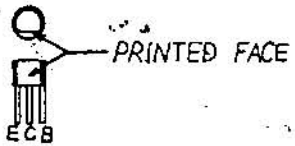




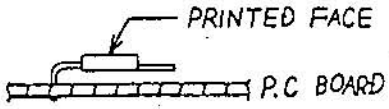
NOTE.1 CAP. ELECTROLYTIC TANTALUM &



NOTE.2 DIODE



NOTE.3 TRANSISTOR(2SC458)



NOTE.4 TRANSISTOR(2SC1061)

NOTE.5 THE RELATION BETWEEN COIN AND CREDIT

	SW1							SW2							
	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8
1COIN 1PLAY	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
2COIN 1PLAY	〃	〃	〃	〃	〃	〃	〃	OFF	ON	OFF	〃	〃	〃	〃	〃
3COIN 1PLAY	〃	〃	〃	〃	〃	〃	〃	〃	OFF	ON	〃	〃	〃	〃	〃
4COIN 1PLAY	〃	〃	〃	〃	〃	〃	〃	〃	OFF	OFF	ON	〃	〃	〃	〃
1COIN 2PLAY	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
1COIN 3PLAY	OFF	ON	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃
1COIN 4PLAY	ON	ON	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃	〃

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

ITEM NO	SYM	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	QTY REQD
31	RB	AAT55033	WINDING RESISTOR, 6OHM 2W ± 10%	1
30	R7	51831	RES., CARBON, 560KOHM 1/4W ± 5%	2
29	R6	51803	〃 39K	2
28	R5	51789	〃 10K	13
27	R4	51781	〃 4.7K	1
26	R3	51777	〃 3.3K	1
25	R2	51765	〃 1K	6
24	R1	51741	RES., CARBON, 100OHM 1/4W ± 5%	4
23	CB	41438	CAP., TANTALUM, SSG35-3R3F	1
22	C7	41421	〃 SSG16-4R7F	2
21	C6	41419	〃 SSG16-2R2F	2
20	C5	41418	〃 SSG16-1F	2
19	C4	41414	CAP., TANTALUM, SSG16-0R22F	1
18	C3	41244	CAP., FILM, TDY-1H-104	5
17	C2	41238	CAP., FILM, TDY-1H-103	5
16	C1	41021	CAP., ELECTROLYTIC, 16V847M	1
15	IC.7	32077	TTL IC, 74221	1
14	IC.6	32044	〃 74193	1
13	IC.5	32039	〃 7442	1
12	IC.4	32033	〃 7416	1
11	IC.3	32019	〃 NE555V	1
10	IC.2	32003	〃 7404	1
9	IC.1	32001	TTL IC, 7400	2
8	D2	12025	DIODE, 1S1588	1
7	D1	12002	DIODE, V03C	2
6	TR2	V 11030	TRANSISTOR, 2SC1061-B	2
5	TR.1	AAT11005	TRANSISTOR, 2SC458-C	1
4	SW.2	AAO52566	DIP SWITCH, DSS-8	1
3	SW.1	〃 52560	DIP SWITCH, DSS-7	1
2	D	〃 17623	CONNECTOR STICKER, D	1
1		AAO17766D	CREDIT P.C BOARD	1

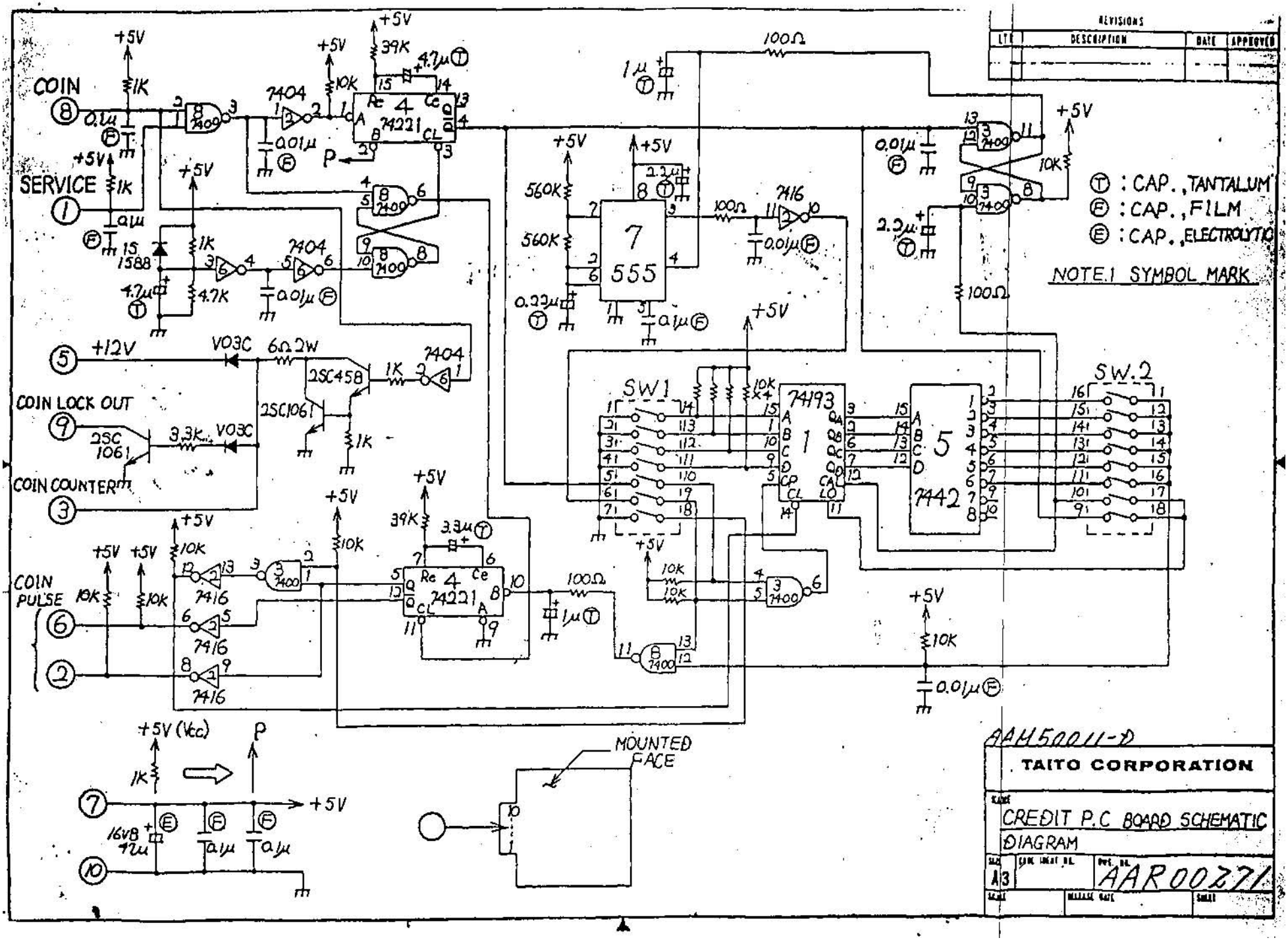
PARTS LIST

TAITO CORPORATION

NAME: CREDIT P.C BOARD ASSY.

SIZE: A3 | DWG. NO: AAM50011-D

SCALE: 1/1 | RELEASE DATE | SHEET


COIN
SERVICE
COIN LOCK OUT
COIN COUNTER
COIN PULSE
+5V
+12V
+5V (Vcc)
VO3C
6Ω 2W
2SC458
2SC1061
7404
7400
7416
74221
74193
7442
7555
SW1
SW.2
MOUNTED FACE
NOTE.1 SYMBOL MARK
Ⓣ : CAP., TANTALUM
Ⓕ : CAP., FILM
Ⓔ : CAP., ELECTROLYTIC
AAM5001I-D
TAITO CORPORATION
CREDIT P.C BOARD SCHEMATIC DIAGRAM
AAR00271