

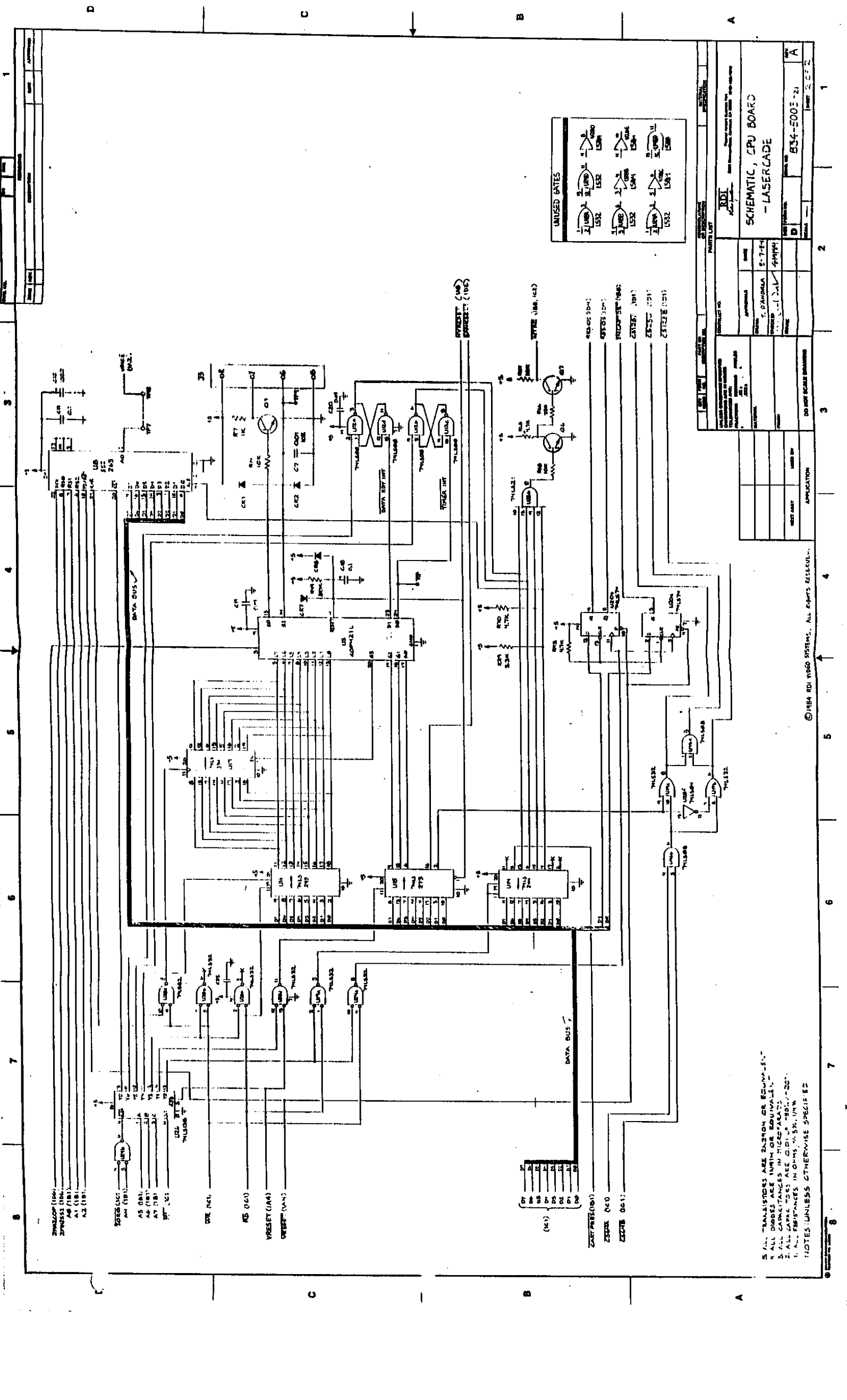
TITLE		SCHEMATIC, CPU BOARD
PART NO		834-5003-21
REV		1 OF 2
DATE		10/1/78
DESIGNED BY		J. J. JONES
CHECKED BY		J. J. JONES
APPROVED BY		J. J. JONES
DRAWN BY		J. J. JONES
SCALE		1:1
SHEET NO		1 OF 2

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RDI	
SCHEMATIC, CPU BOARD	
- LASERCADE	
DATE	REV
10/1/84	1
B34-5003-21	
A	

DESIGNED BY	DATE
W. J. BAKER	10/1/84
CHECKED BY	DATE
J. L. BAKER	10/1/84
APPROVED BY	DATE
J. L. BAKER	10/1/84
DO NOT SCALE DIMENSIONS	

5 ALL TRANSISTORS ARE 2N3904 OR EQUIVALENT.
6 ALL DIODES ARE 1N4148 OR EQUIVALENT.
7 ALL CAPACITORS ARE 0.01μF UNLESS OTHERWISE SPECIFIED.
8 ALL RESISTANCES IN OHMS UNLESS OTHERWISE SPECIFIED.
9 © 1984 RDI VIDEO SYSTEMS. ALL RIGHTS RESERVED.
10

APPENDIX C

ARCADE MAIN HARNESS DEFINITIONS

FROM	PIN	TO	PIN	SIGNAL
LF	HOT	SW	COMMON	AC LINE HOT
SW	N/OPEN	PS1	3	AC LINE HOT
SW	N/OPEN	VDP	HOT	AC LINE HOT
LF	NEUTRAL	PS1	2	AC LINE NEUTRAL
LF	NEUTRAL	VDP	NEUTRAL	AC LINE NEUTRAL
PS2	1	ISO	PRI	115V AC #1 HOT
PS2	3	LAMP	HOT	115V AC #2 HOT
PS2	3	FAN	HOT	115V AC #2 HOT
PS2	2	ISO	PRI	115V AC #1 NEUTRAL
PS2	4	LAMP	NEUTRAL	115V AC #2 NEUTRAL
PS2	4	FAN	NEUTRAL	115V AC #2 NEUTRAL
MON	FRAME	LAMP	FRAME	FRAME GROUND
PS1	1	MON	FRAME	FRAME GROUND
LF	FRAME	PS1	1	FRAME GROUND
LF	FRAME	CPU	FRAME	FRAME GROUND
CPU	FRAME	COIN	3	FRAME GROUND
COIN	3	OCP	9	FRAME GROUND
OCP	9	CP	7	FRAME GROUND
PS1	9	CPU	3	+5V
PS1	10	CPU	4	+5V
PS1	11	CPU	7	+5V RETURN
PS1	7	CPU	30	+25V
PS1	12	CPU	8	+25V RETURN
PS1	5	COIN	8	6.3V AC LAMPS
PS1	4	COIN	9	6.3V AC LAMPS RETURN
COIN	1	CPU	10	COIN SLOT 0
COIN	2	CPU	14	COIN SLOT 1
COIN	7	CPU	11	COIN RETURN
CP	2	CPU	6	AUX GROUND
CP	3	CPU	2	AUX +5V
CP	4	CPU	1	NOT USED
CP	5	CPU	29	NOT USED
CP	6	CPU	5	HEADPHONE (LEFT)
CP	8	CPU	9	NOT USED
CP	9	CPU	13	NOT USED
CP	1	CPU	12	HEADPHONE RETURN (LEFT)
OCP	4	CPU	33	COIN COUNTER
OCP	8	CPU	32	COIN COUNTER RETURN
OCP	3	CPU	J8CENTER	L VOLUME OUT
OCP	1	CPU	J8SHIELD	L VOLUME OUT RETURN
OCP	5	CPU	J7CENTER	R VOLUME OUT
OCP	7	CPU	J7SHIELD	R VOLUME OUT RETURN

FROM	PIN	TO	PIN	SIGNAL
OCP	2	CPU	24	L VOLUME IN
OCP	1	CPU	23	L VOLUME IN RETURN
OCP	6	CPU	16	R VOLUME IN
OCP	7	CPU	15	R VOLUME IN RETURN
CPU	28	SPKR	L+	SPEAKER (LEFT)
CPU	27	SPKR	L-	SPEAKER RETURN (LEFT)
CPU	20	SPKR	R+	SPEAKER (RIGHT)
CPU	19	SPKR	R-	SPEAKER RETURN (RIGHT)

PS1 = POWER SUPPLY 12 PIN CONNECTOR
 PS2 = POWER SUPPLY 4 PIN CONNECTOR
 FAN = COOLING FAN
 SW = POWER SWITCH
 CPU = CIRCUIT BOARD MODULE
 LAMP = FLUORESCENT LAMP (MARQUEE)
 CP = CONTROL PANEL
 SPKR = SPEAKERS
 COIN = COIN DOOR
 MON = MONITOR
 VDP = VIDEODISC PLAYER
 LF = AC LINE FILTER
 OCP = OPERATOR CONVENIENCE PANEL
 ISO = MONITOR ISOLATION TRANSFORMER

NOTE: GAMES EQUIPPED WITH PR7820 DISC PLAYERS HAVE DISC PLAYER FRAME
 GROUND TIED TO LINE FILTER FRAME GROUND.