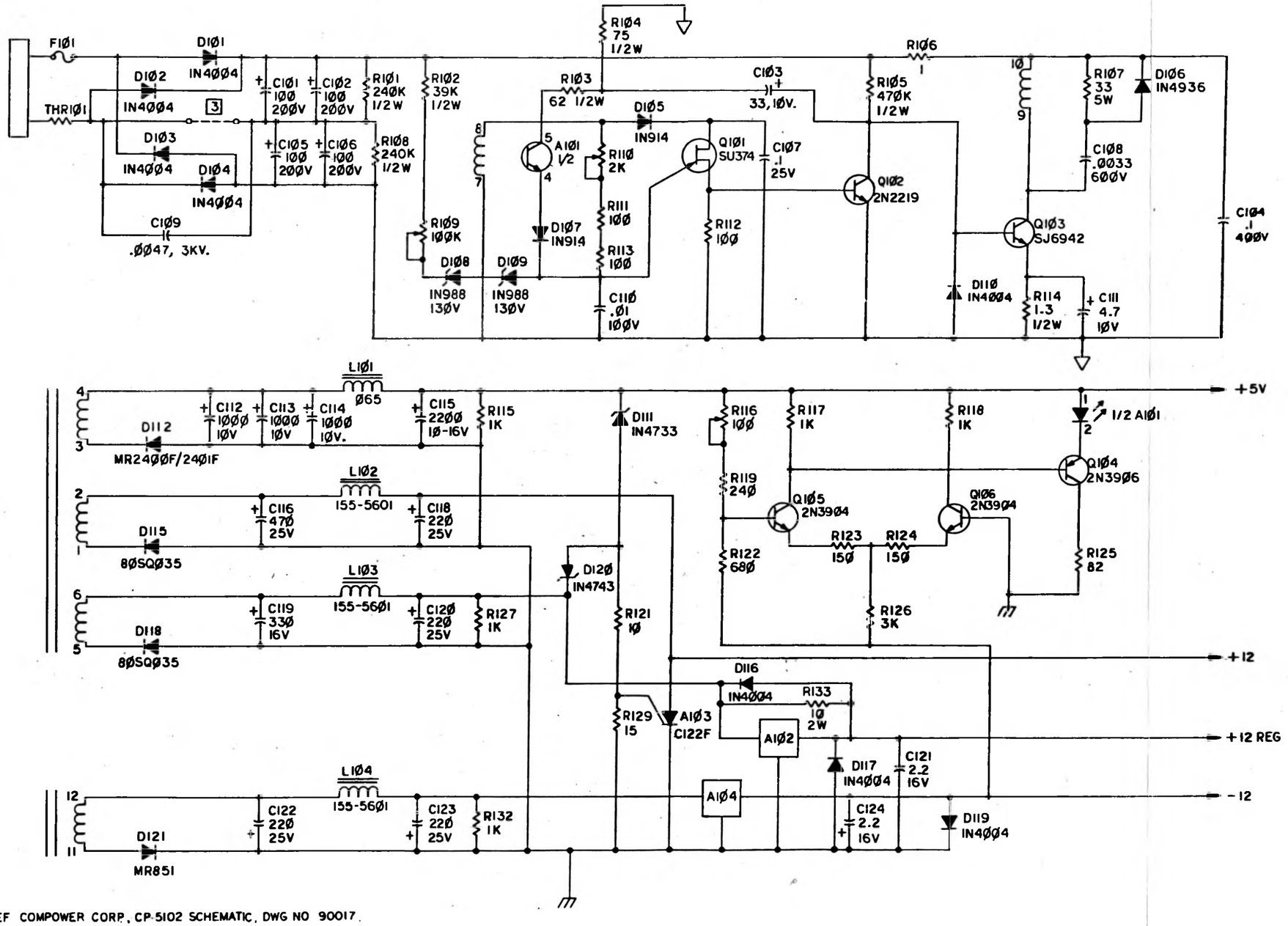


4 REF COMPOWER CORP., CP-5102 SCHEMATIC, DWG NO 90017.

[3] CUT FOR 220V OPERATION

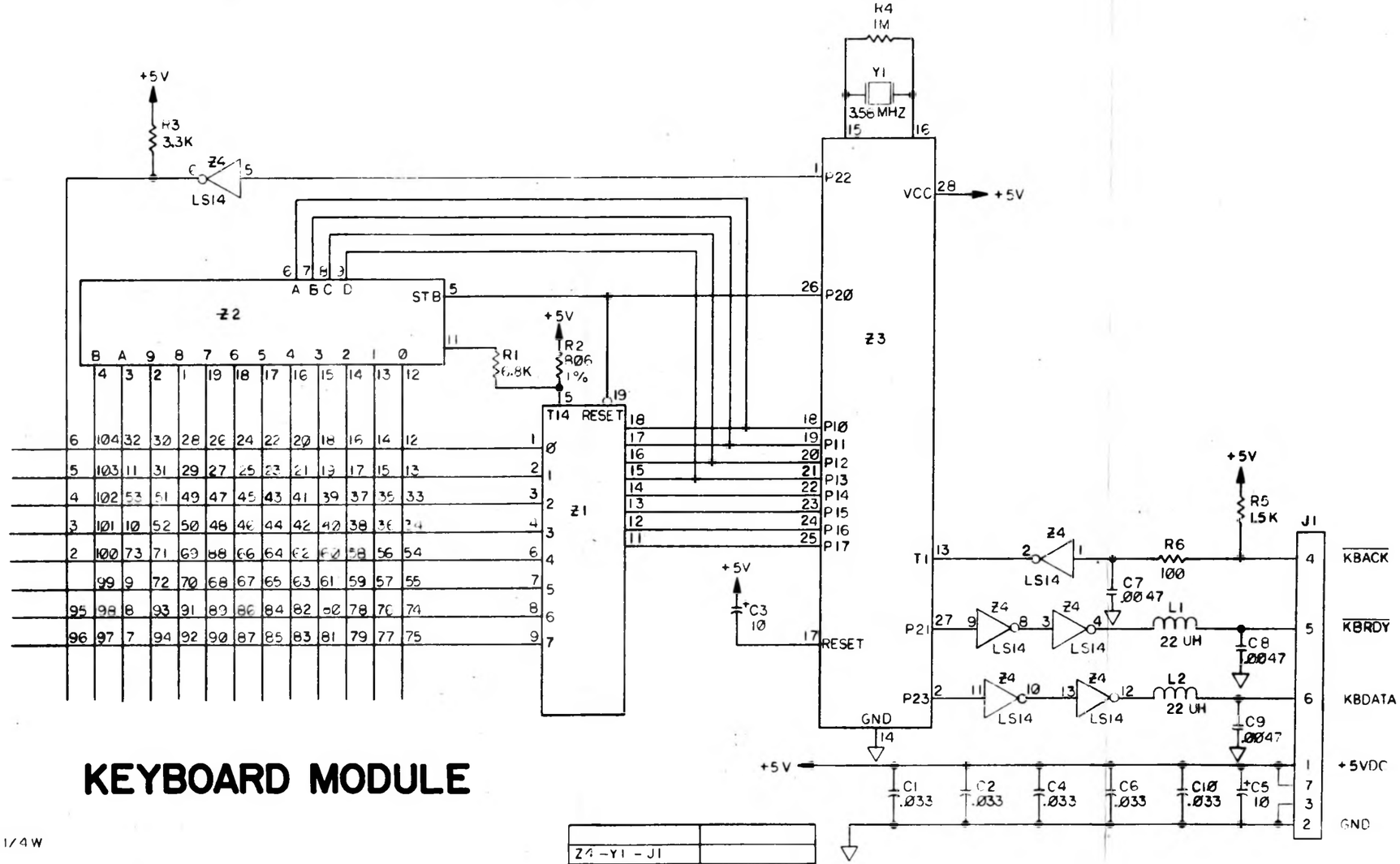
2. ALL RESISTORS ARE ±5%, 1/4W.

1. ELECTRICAL VALUES ARE IN OHMS, MICROFARADS AND MICROHENRIES.

SHT. 1 OF 1	REV. P1
DWG. NO. 100701	

VICTOR BUSINESS PRODUCTS (Subsidiary of Kidde, Inc.)

PWR. SUPPLY SCHEMATIC



KEYBOARD MODULE

Z4 - Y1 - J1	
R6 - C10 - L2	
LAST USED	NOT USED
REF. DES.	

3. ALL RESISTORS ARE ±5%, 1/4 W

2. ELECTRICAL VALES ARE IN OHMS, MICROFARADS & MICROHENRIES

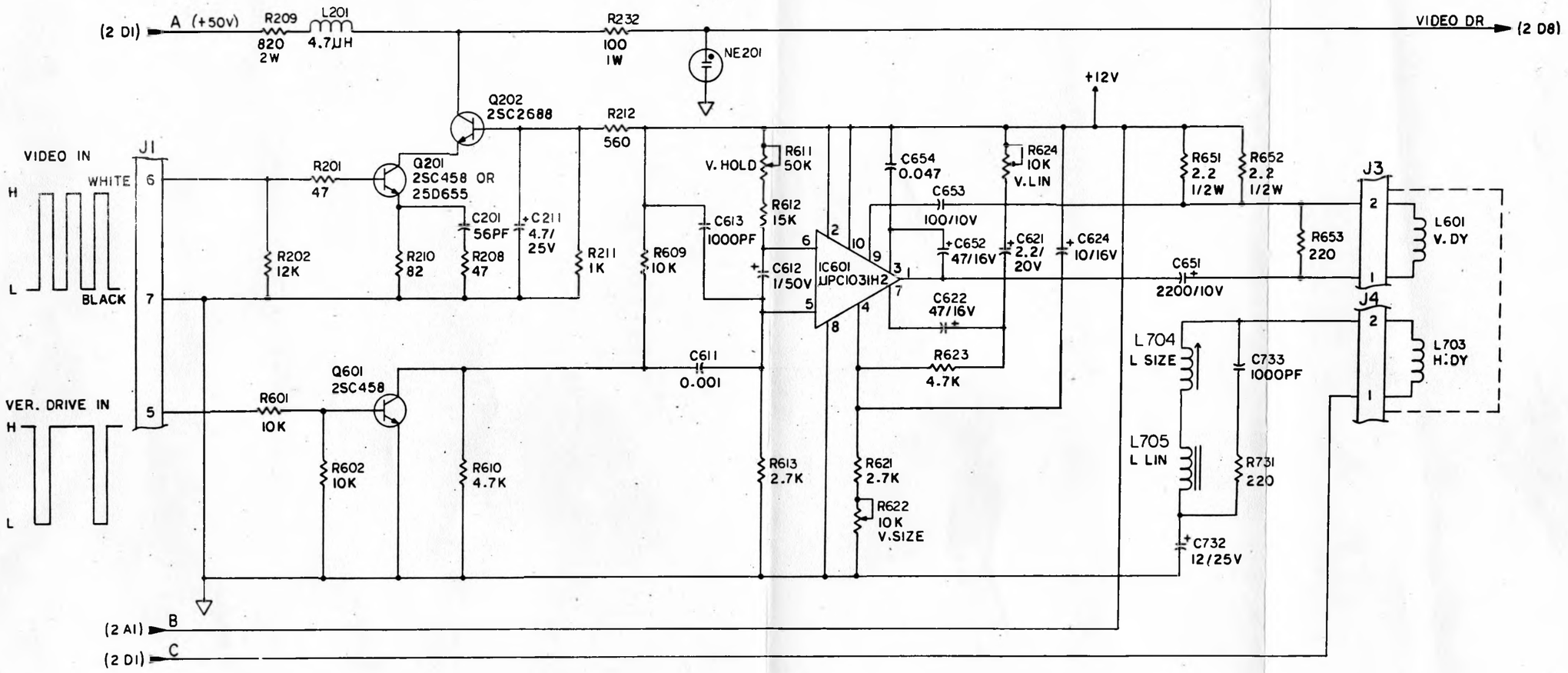
1. MADE SCHEMATIC FROM KEY TRONIC CORPORATION, SPOKANE, WASH. PART NUMBER 36-02307-XXX

NOTE: UNLESS OTHERWISE SPECIFIED

SHT. 1 OF 1	REV. 1
DWG. NO. 100379	

VICTOR BUSINESS PRODUCTS

KEYBOARD SCHEMATIC

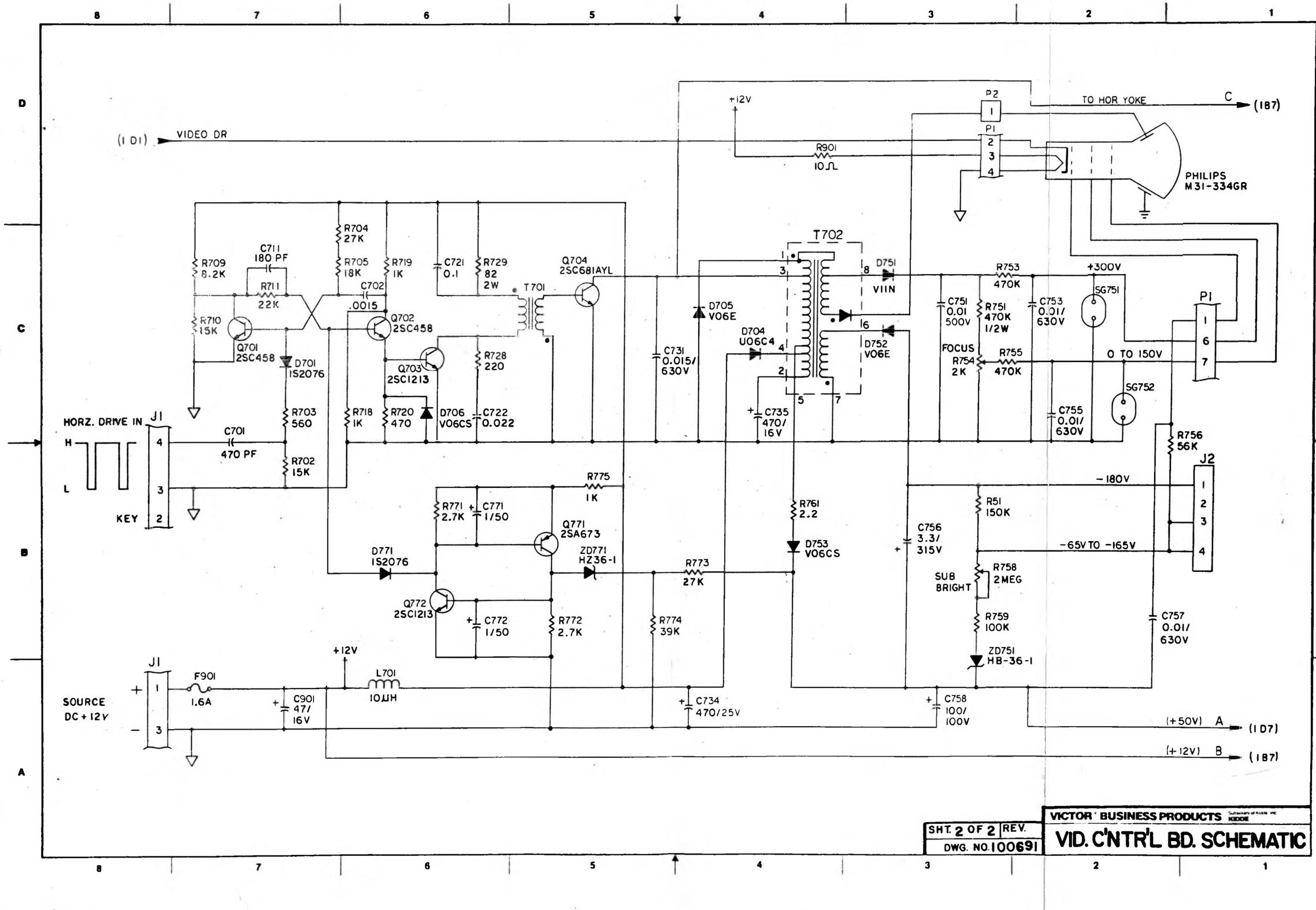


SHT. 1 OF 2 | REV

DWG. NO. 100691

VICTOR BUSINESS PRODUCTS

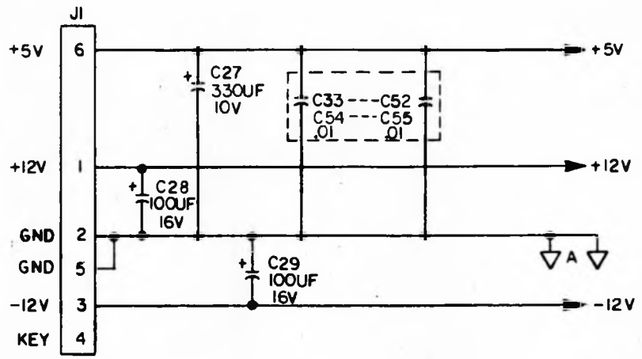
VID. C'NTR'L BD. SCHEMATIC

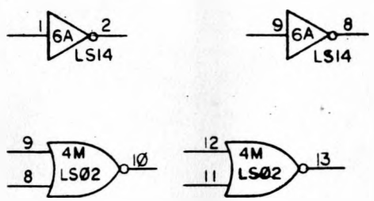


SHT. 2 OF 2	REV.
DWG. NO. 100691	

VICTOR BUSINESS PRODUCTS

VID. C'NTR'L BD. SCHEMATIC





SPARE GATES

NOTES: UNLESS OTHERWISE SPECIFIED.

1. ELECTRICAL VALUES ARE IN OHMS, MICROFARADS AND MICROHENRIES.
2. ALL RESISTERS ARE ±5%, 1/4W.
3. F.S. IS FACTORY SELECT COMPONENTS.
4. Q1, Q2 ARE MOUNTED ON HEATSINK.
5. ALL INTEGRATED CIRCUITS ARE SN74 SERIES.
6. I.C. PINS ARE GND=7, +5V=14 EXCEPT FOR:

TYPE	GND	+5V
74LS123	8	16
74LS133	8	16
74LS139	8	16
74LS157	8	16
74LS165	8	16
74LS190	8	16
74LS191	8	16
74LS373	10	20
2316	12	24
75462	4	8

7. ALL DIODE ARE IN4148.
8. SEE TABULATION TABLE THIS PAGE.

POWER & SPARES

SHEET	DESCRIPTION
1	POWER & SPARES
2	CPU INTERFACE (6522)
3	MOTOR SPEED (8748 & DAC)
4	PLL
5	RD/WR HEAD INTERFACE
6	DRIVE SELECT, LED, DECODE
7	GCR EN/DE-CODER
8	DISK CONNECTORS (REF)
9	STEPPER CONTROL

SHT. 1 OF 9 REV. C
DWG. NO. 100671

VICTOR BUSINESS PRODUCTS (Subsidiary of KIDDE, INC.)

DISK DRIVE SCHEMATIC

CPU INTERFACE (6522)

VICTOR BUSINESS PRODUCTS

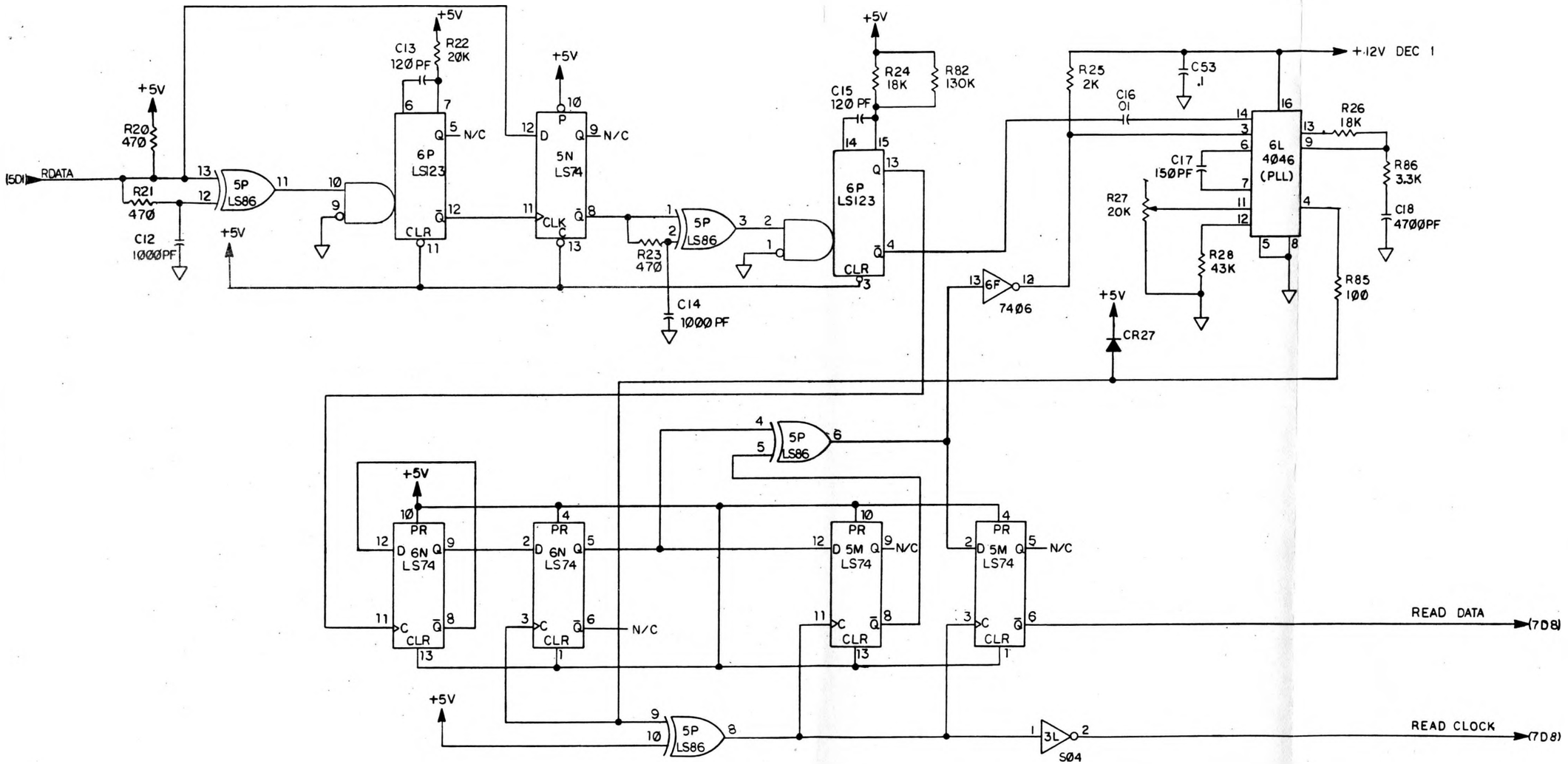
DISK DRIVE SCHEMATIC

SHT. 2 OF 9 REV. C

DWG. NO. 100671

MOTOR SPEED (8748 & DAC)

VICTOR BUSINESS PRODUCTS (KIDDE)	DISK DRIVE SCHEMATIC
SHT. 3 OF 9 REV. C	
DWG. NO. 100671	

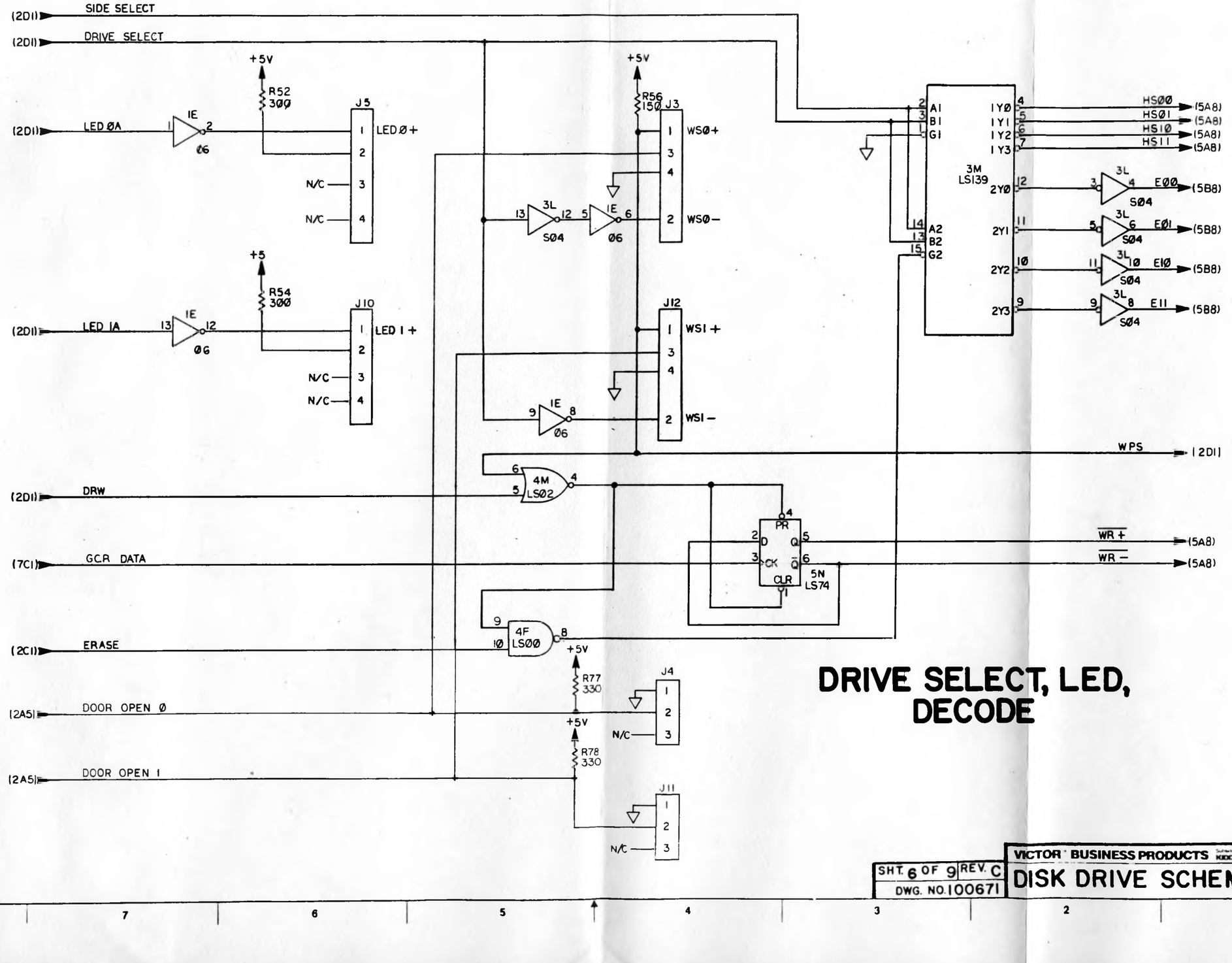


PHASE LOCKED LOOP

SHT. 4 OF 9 REV. C	VICTOR BUSINESS PRODUCTS
DWG. NO. 100671	DISK DRIVE SCHEMATIC

RD/WR HEAD INTERFACE

VICTOR BUSINESS PRODUCTS	DISK DRIVE SCHEMATIC
SHT. 5 OF 9 REV. C	
DWG. NO. 100671	



DRIVE SELECT, LED, DECODE

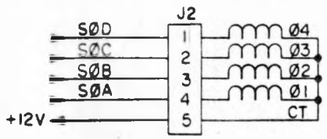
VICTOR BUSINESS PRODUCTS	
SHT. 6 OF 9 REV. C	DISK DRIVE SCHEMATIC
DWG. NO. 100671	

GCR EN/DE-CODER

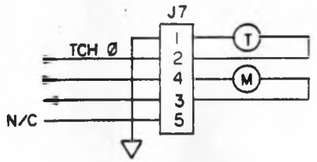
SHT. 7 OF 9	REV. C
DWG. NO 100671	

VICTOR BUSINESS PRODUCTS

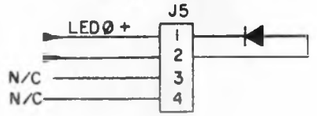
DISK DRIVE SCHEMATIC



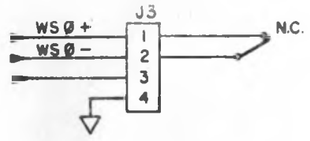
STEPPER A
(SHT 9)



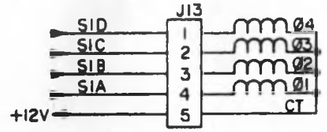
MOTOR A (8748, DAC, DISCRETE)
(SHT 3)



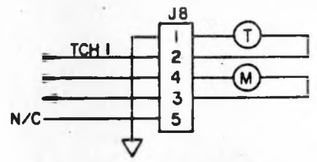
ACTIVITY LED A
(SHT 6)



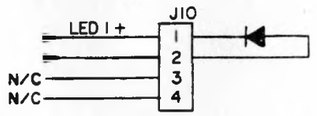
WRITE PROTECT A
(SHT 6)



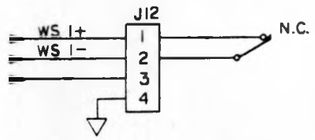
STEPPER B
(SHT 9)



MOTOR B
(SHT 3)

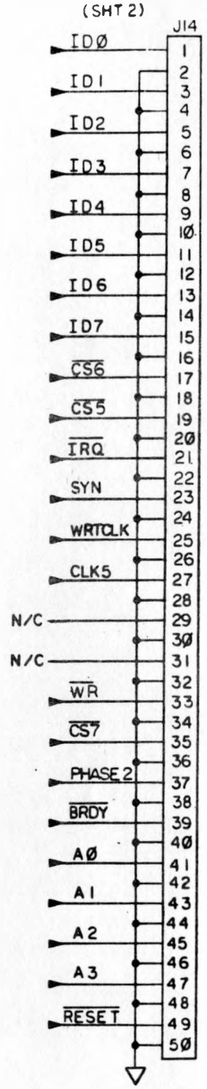


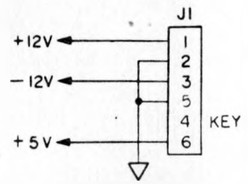
ACTIVITY LED B
(SHT 6)



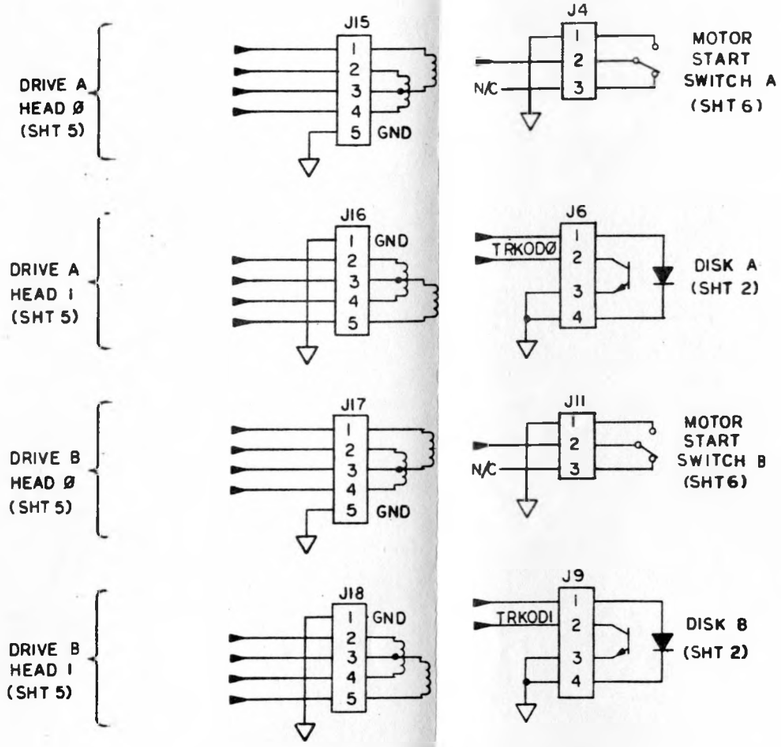
WRITE PROTECT B
(SHT 6)

CPU INTERFACE (6522)
(SHT 2)





POWER
CONNECTOR
(SHT 1)



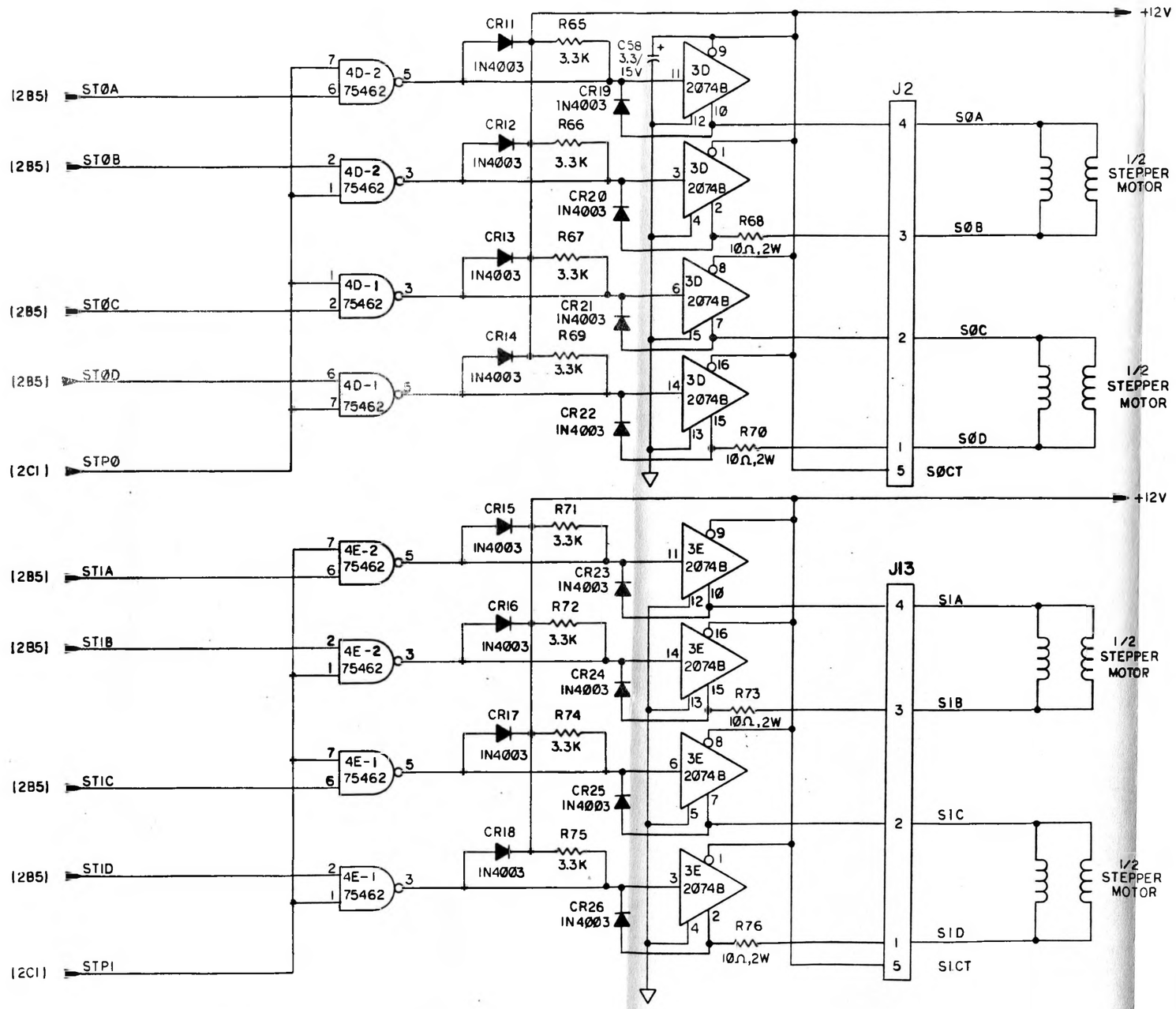
DISK CONNECTORS (REF)

VICTOR BUSINESS PRODUCTS (Subsidiary of Kidde, Inc.)

SHT. 8 OF 9 REV. C

DWG. NO. 100671

DISK DRIVE SCHEMATIC



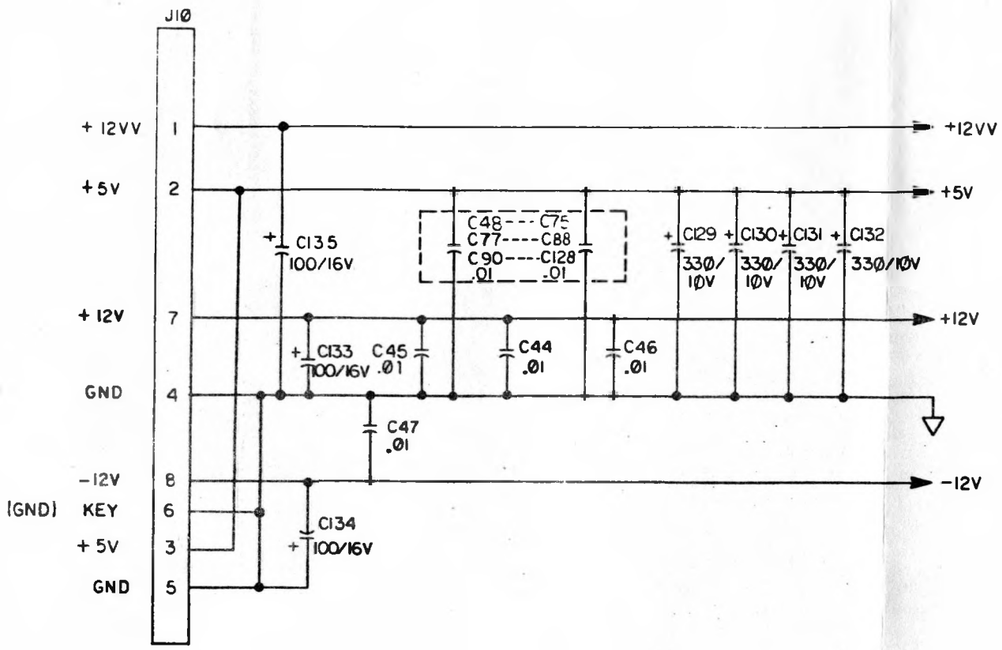
STEPPER CONTROL

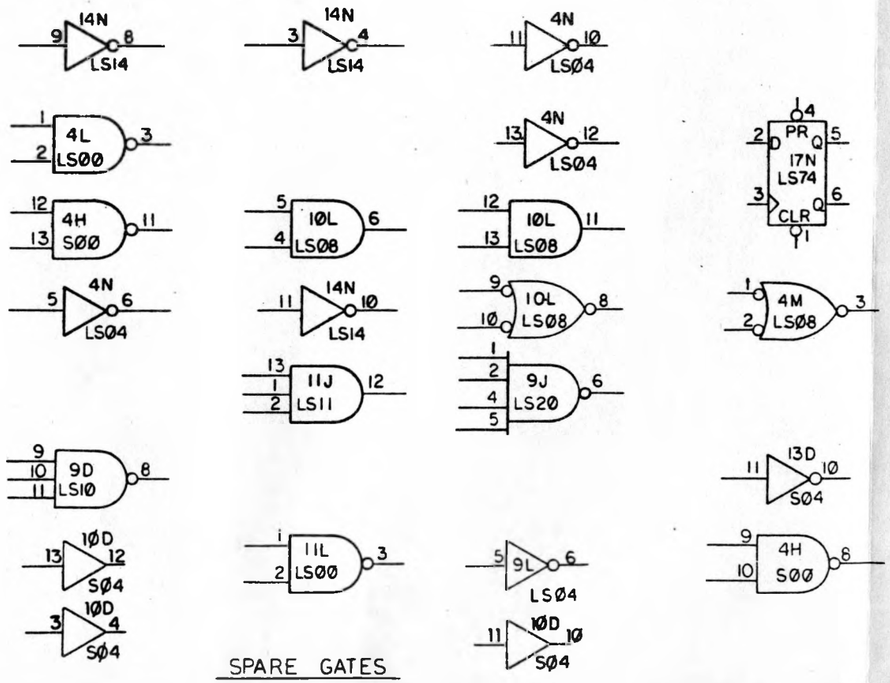
VICTOR BUSINESS PRODUCTS

DISK DRIVE SCHEMATIC

SHT. 9 OF 9 REV C

DWG. NO. 100671





SPARE GATES

NOTES: UNLESS OTHERWISE SPECIFIED:

1. ELECTRICAL VALUES ARE IN OHMS, MICROFARADS AND MICROHENRIES
2. ALL RESISTORS ARE ± 5%, 1/4 W
3. ALL INTEGRATED CIRCUITS ARE SN74 SERIES.
4. I.C. PINS ARE GND = 7, +5V = 14 EXCEPT FOR:

TYPE	GND	+5V	+12V
74LS112	8	16	—
74LS138	8	16	—
74LS139	8	16	—
74LS151	8	16	—
74LS153	8	16	—
74LS157	8	16	—
74S163	8	16	—
74LS166	8	16	—
74LS257	8	16	—
74LS244	10	20	—
74LS245	10	20	—
74S374	10	20	—
74LS373	10	20	—
74LS374	10	20	—
LM324	11	—	4
4066	7	—	14
2732	12	24	—
75160	10	20	—
75161	10	20	—
6116	12	24	—
4164	8	16	—
8259A	14	28	—
74LS90	10	5	—

5. NOT USED: J15, RESISTORS: R18,30, 31, 39,40,41,42, 44, 45,46,47,48,49,50, 63,68 69,43,66,67. CAPS: 1,13, 19,20,21,22,23,24,27,136 28,76,39, E19,20,21,22,13,14,15,16,17,18

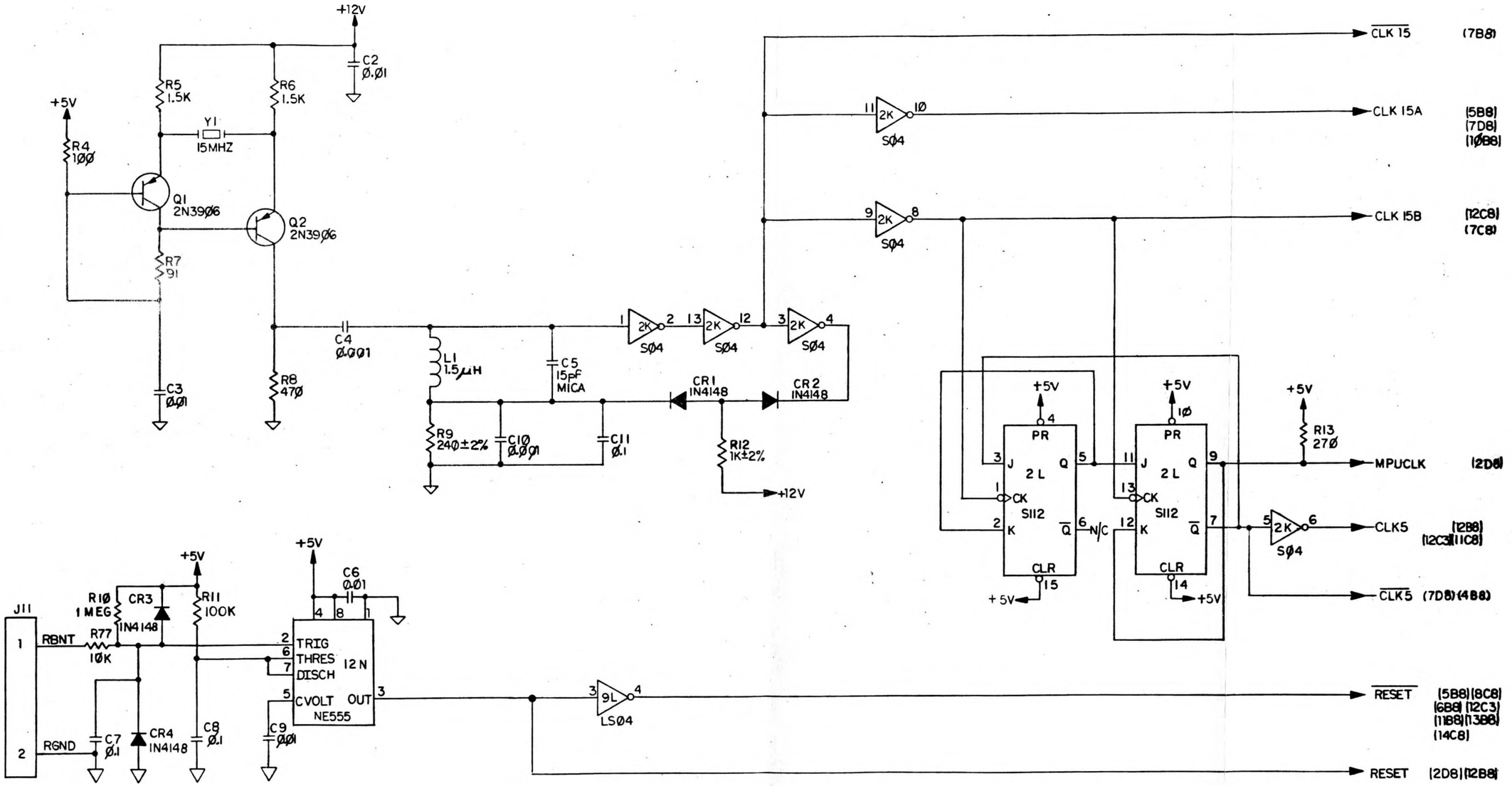
6. FOR JUMPER CONFIGURATION FOR USE WITH EITHER PROMS IN LOCATIONS 5H & 7H OR 64K ROM IN LOCATION 7H SEE NOTE IN AREA B1 ON SHEET 2.

POWER & SPARES

SHT. 1 OF 14 REV. H
DWG. NO. 100471

VICTOR BUSINESS PRODUCTS
KIDDE

CPU SCHEMATIC



MASTER CLOCK

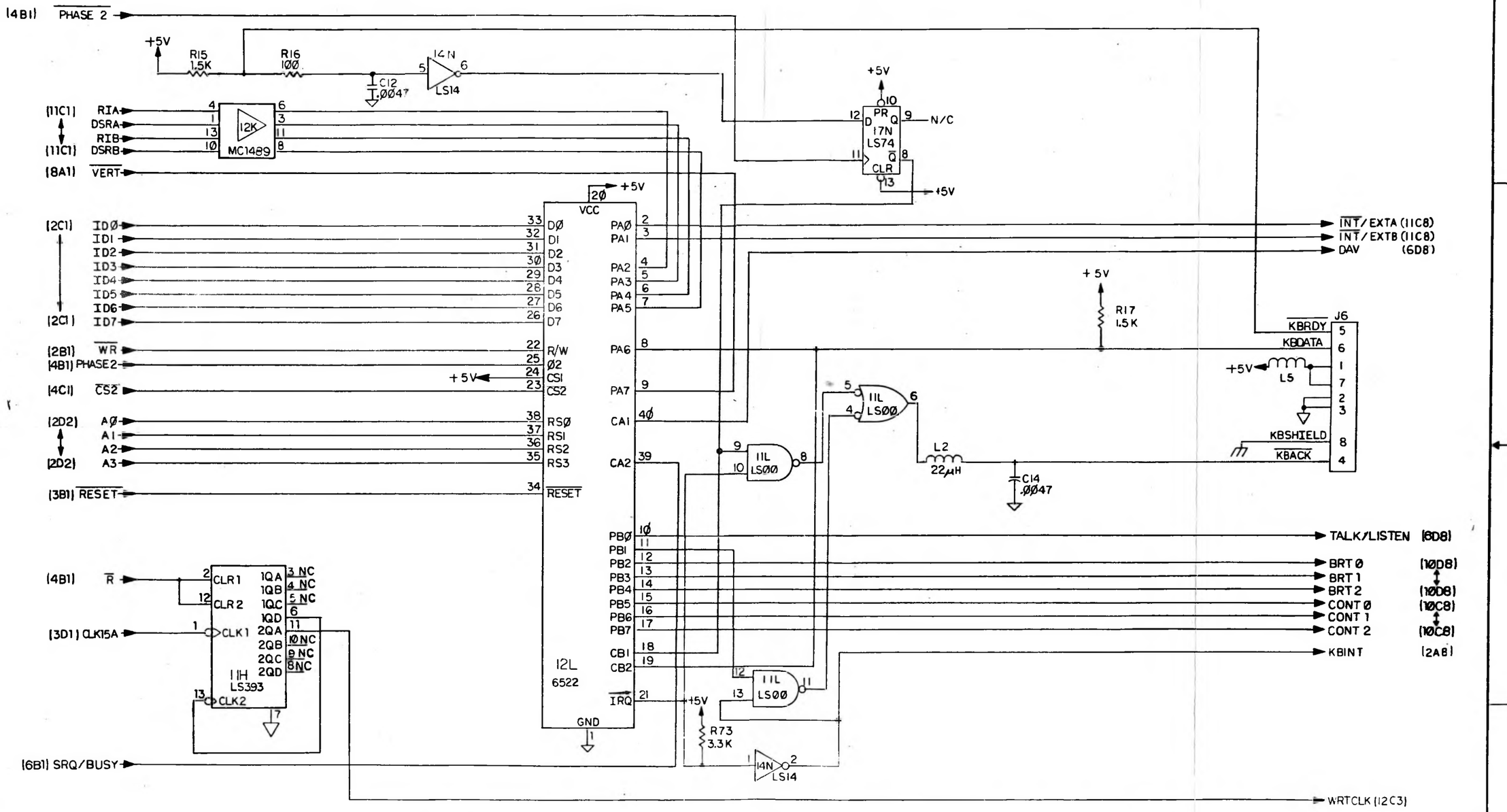
SHT. 3 OF 14	REV H
DWG. NO. 100471	

VICTOR BUSINESS PRODUCTS

CPU SCHEMATIC

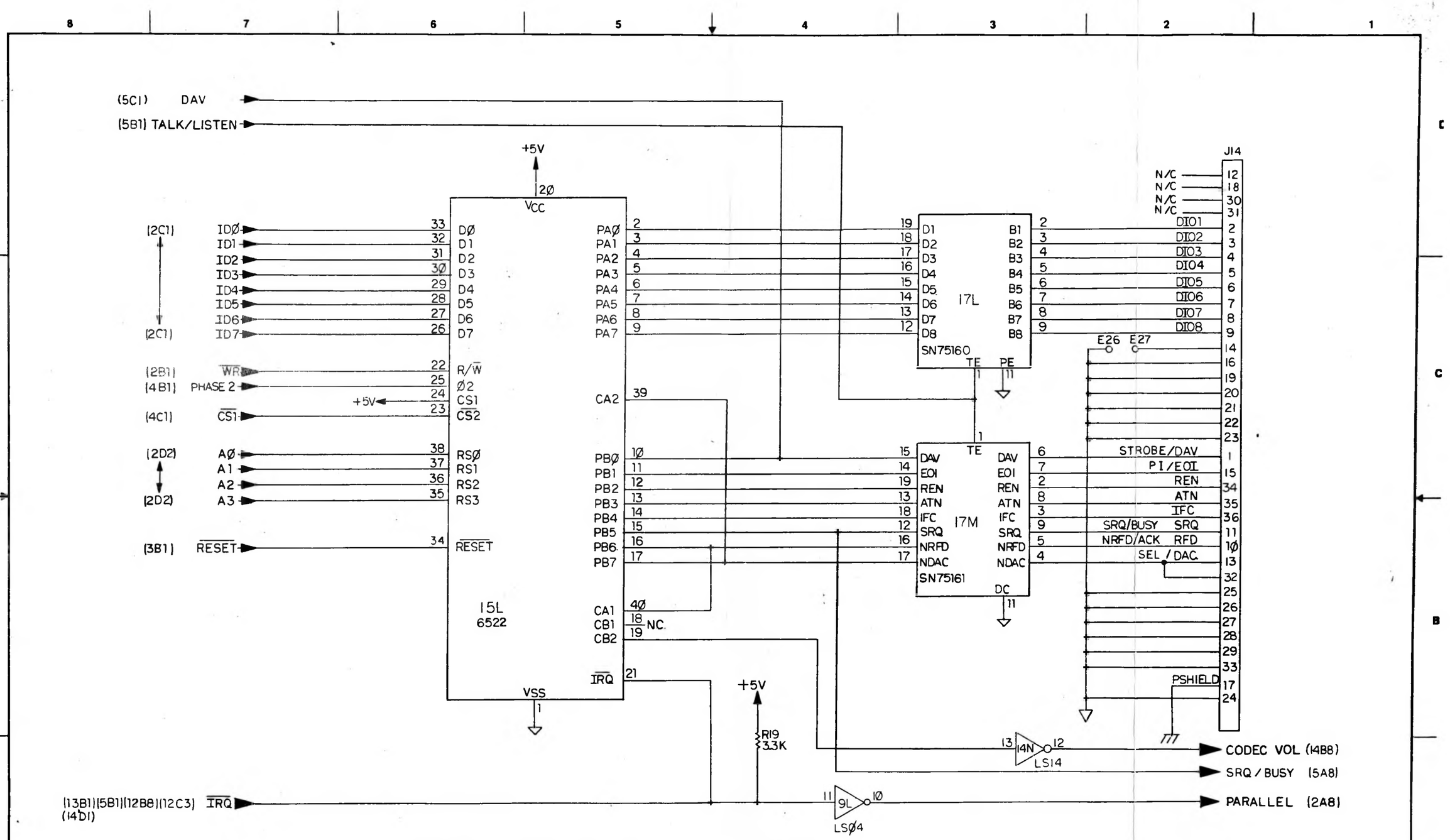
DECODER CHIP SELECT

VICTOR BUSINESS PRODUCTS	CPU SCHEMATIC
SHT. 4 OF 14 REV. H	DWG. NO. 100471



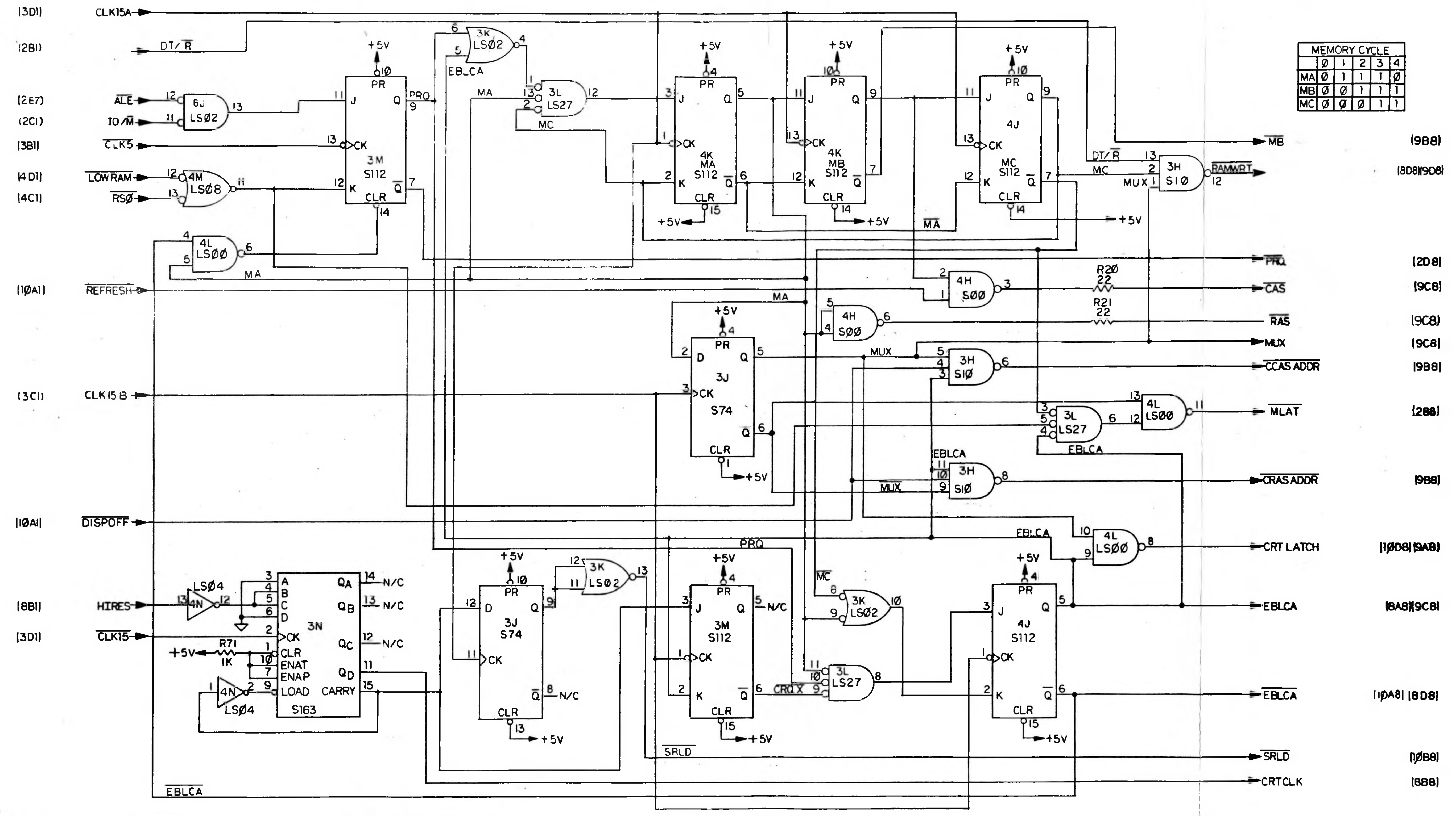
KEYBOARD INTERFACE

VICTOR BUSINESS PRODUCTS	CPU SCHEMATIC
SHT. 5 OF 14 REV. H	
DWG. NO. 100471	



IEEE CENTRONICS INTERFACE

SHT. 6 OF 14 REV. H DWG. NO. 100471	VICTOR BUSINESS PRODUCTS CPU SCHEMATIC



MEMORY CYCLE					
	Ø	1	2	3	4
MA	Ø	1	1	1	Ø
MB	Ø	Ø	1	1	1
MC	Ø	Ø	Ø	1	1

CRT CYCLE HIRES										
	3	4	5	6	7	8	9	Ø	1	2
CA	Ø	1	Ø	1	Ø	1	Ø	1	Ø	1
CB	Ø	Ø	1	1	Ø	Ø	1	1	1	1
CC	Ø	Ø	Ø	Ø	1	1	1	1	1	1
CD	1	1	1	1	1	1	1	1	Ø	Ø

CRT CYCLE HIRES																
	9	10	11	12	13	14	15	Ø	1	2	3	4	5	6	7	8
CA	Ø	1	Ø	1	Ø	1	Ø	1	Ø	1	Ø	1	Ø	1	Ø	1
CB	Ø	Ø	1	1	Ø	Ø	1	1	Ø	Ø	1	1	Ø	Ø	1	1
CC	Ø	Ø	Ø	Ø	1	1	1	1	Ø	Ø	Ø	Ø	1	1	1	1
CD	1	1	1	1	1	1	1	1	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

CONTROL SIGNALS

SHT. 7 OF 14 REV. H
DWG. NO. 100471

VICTOR BUSINESS PRODUCTS

CPU SCHEMATIC

SCREEN MEMORY

VICTOR BUSINESS PRODUCTS	CPU SCHEMATIC
SHT. 8 OF 14 REV. H	DWG. NO. 100471

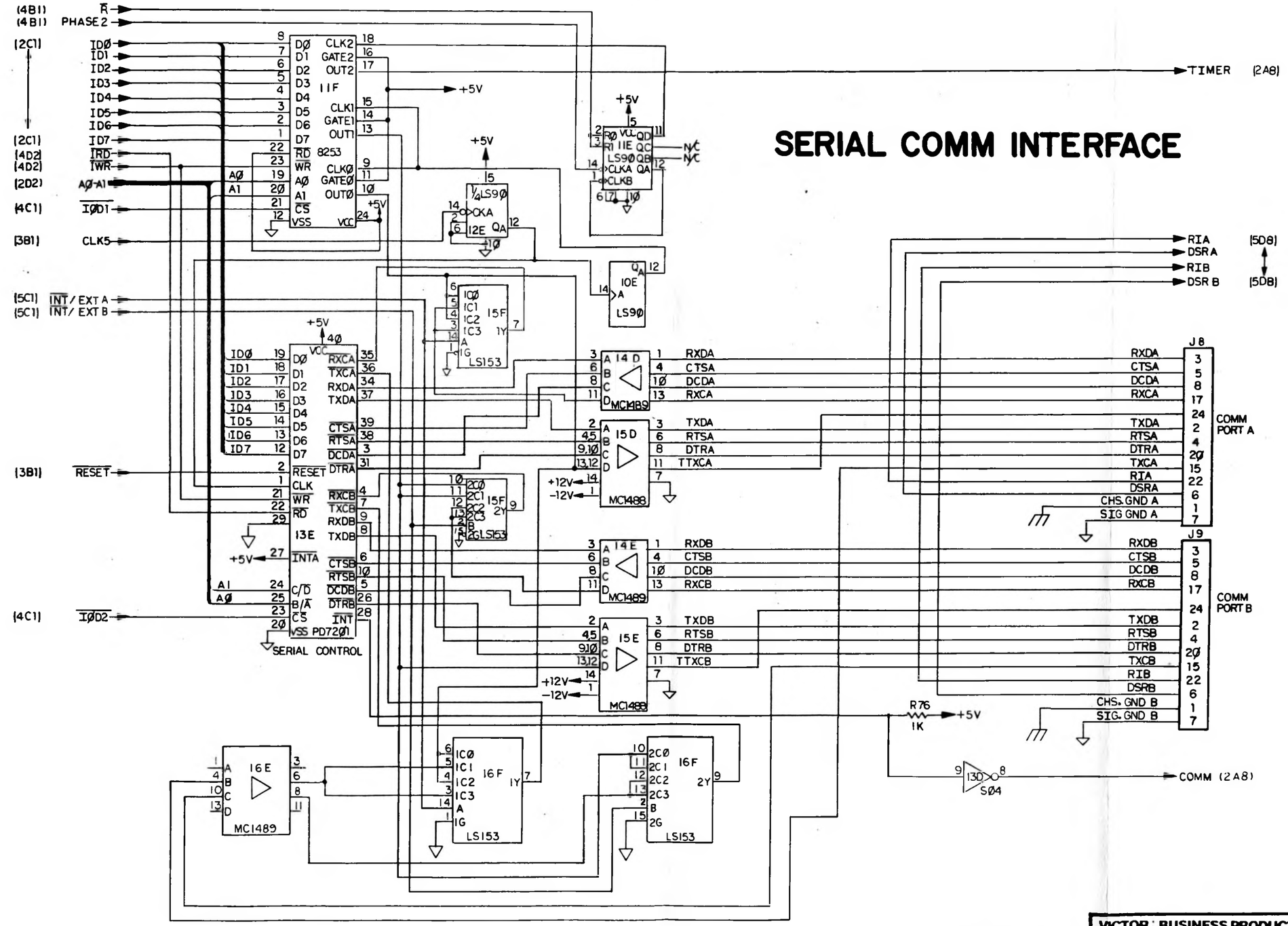
SYSTEM MEMORY

VICTOR BUSINESS PRODUCTS
SHT. 9 OF 14 REV. H
DWG. NO. 100471
CPU SCHEMATIC

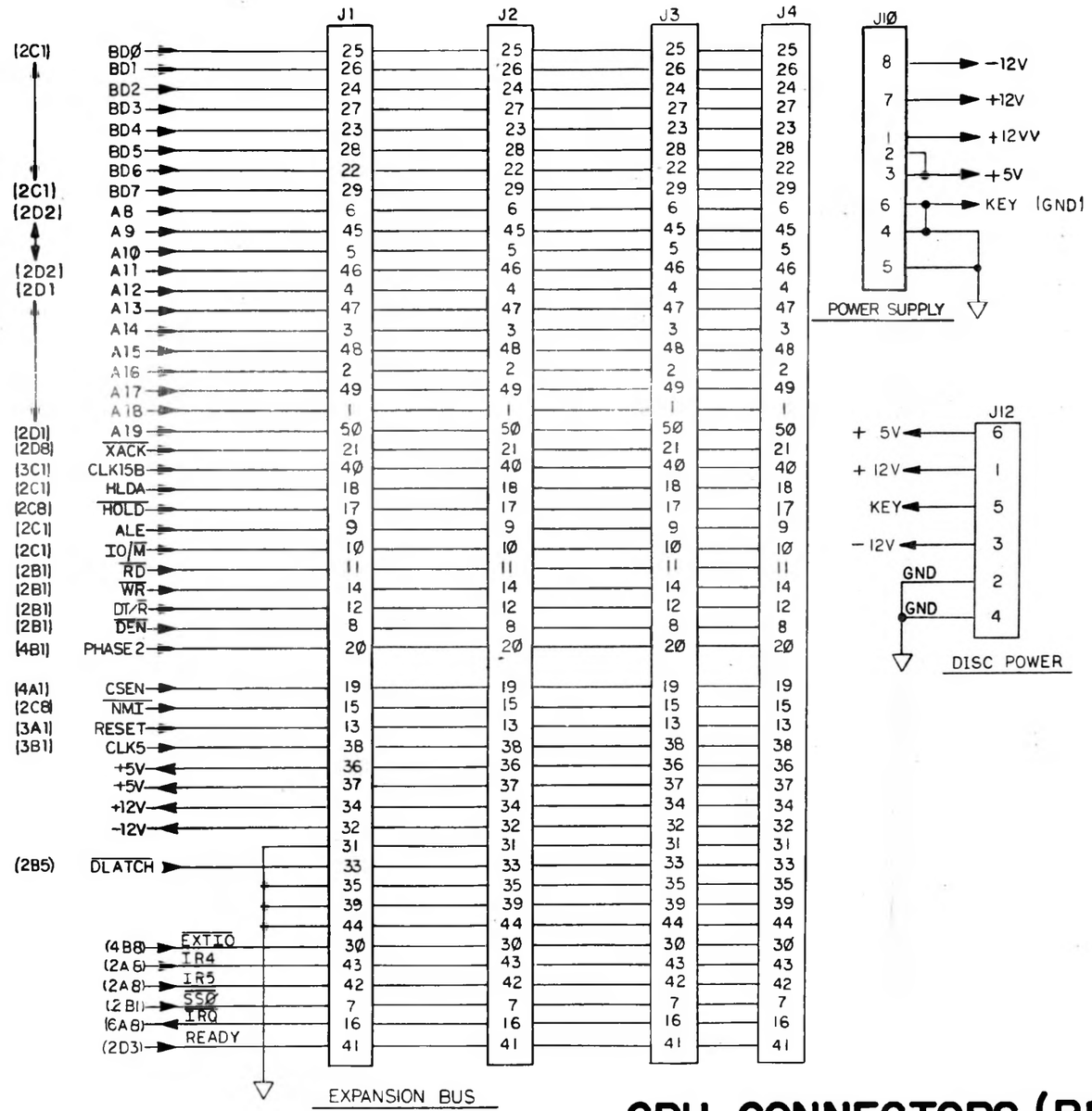
CRT INTERFACE

VICTOR BUSINESS PRODUCTS	CPU SCHEMATIC
SHT. 10 OF 14	REV. H
DWG. NO. 100471	

SERIAL COMM INTERFACE

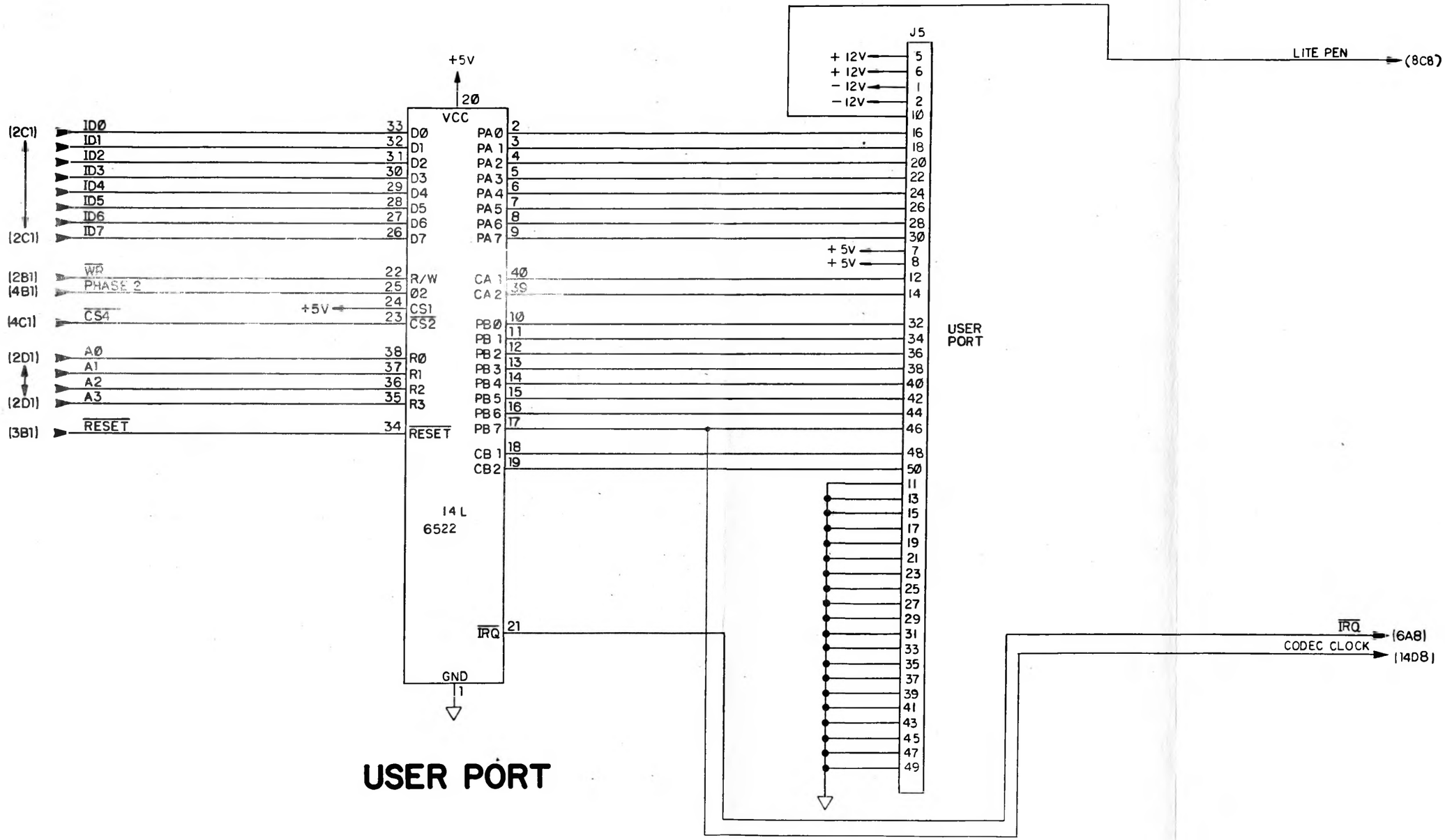


SHT. 11 OF 14 REV. H	VICTOR BUSINESS PRODUCTS
DWG. NO. 100471	CPU SCHEMATIC



CPU CONNECTORS (REF)

SHT. 12 OF 14 REV. H	VICTOR BUSINESS PRODUCTS
DWG. NO. 100471	CPU SCHEMATIC

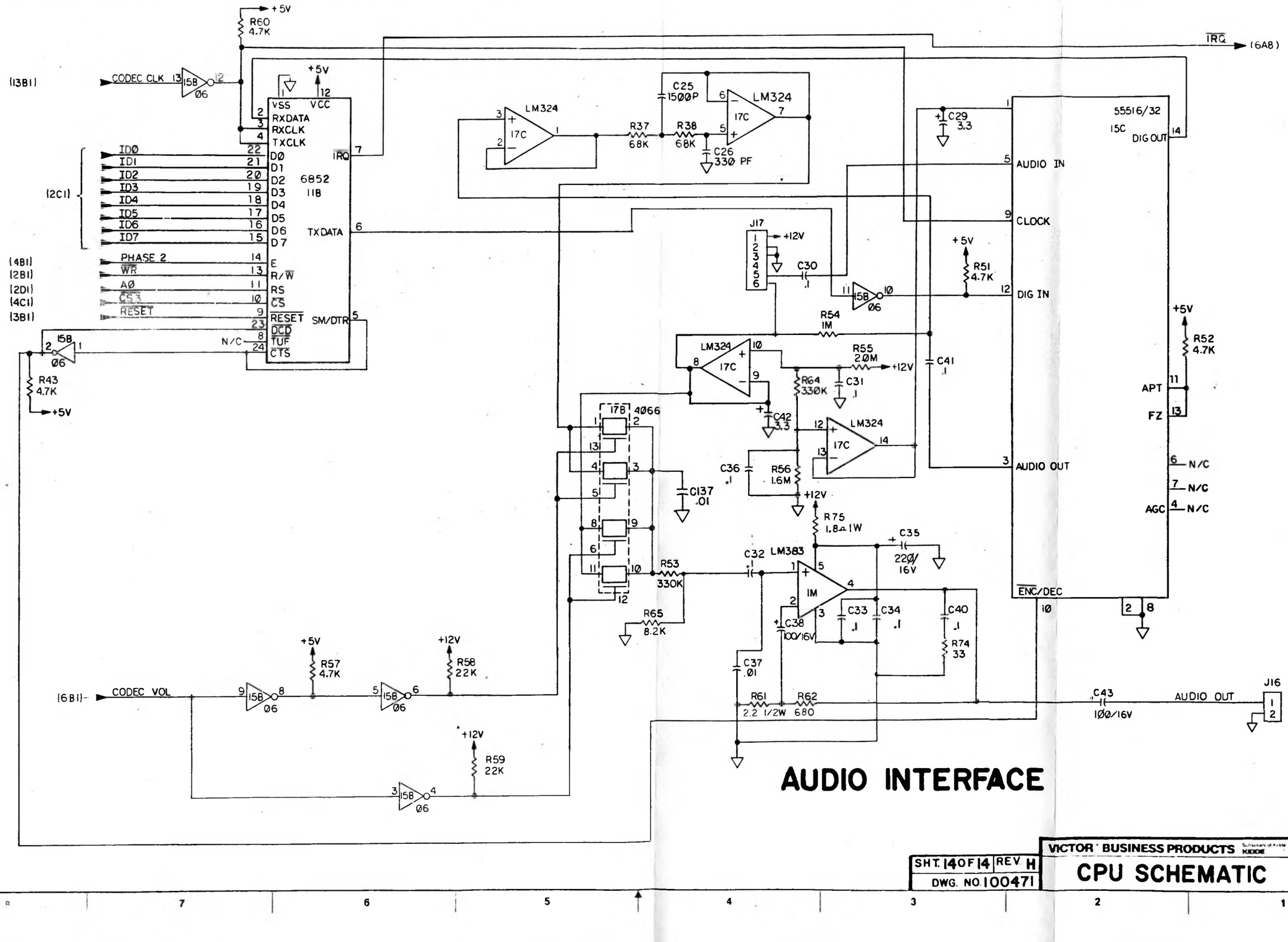


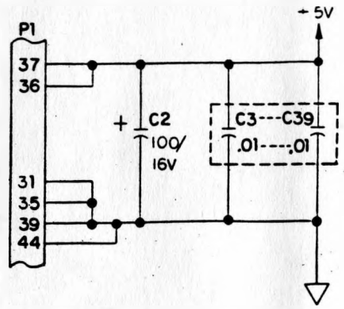
USER PORT

SHT. 13 OF 14	REV. H
DWG. NO. 100471	

VICTOR · BUSINESS PRODUCTS

CPU SCHEMATIC


+5V
R60
4.7K
IRQ
(6A8)
(13B1)
CODEC CLK
13
15B
12
Ø6
+5V
VSS
VCC
RXDATA
RXCLK
TXCLK
D0
D1
D2
D3
D4
D5
D6
D7
6852
IIB
IRQ
TXDATA
E
R/W
RS
CS
RESET
SM/DTR
DCD
TUF
CTS
N/C
ID0
ID1
ID2
ID3
ID4
ID5
ID6
ID7
(2C1)
(4B1)
PHASE 2
WR
A0
CS3
RESET
(2B1)
(2D1)
(4C1)
(3B1)
15B
Ø6
R43
4.7K
+5V
LM324
17C
C25
1500P
R37
68K
R38
68K
C26
330 PF
C29
3.3
55516/32
15C
DIG OUT
AUDIO IN
CLOCK
DIG IN
AUDIO OUT
J17
+12V
C30
.1
R54
1M
R51
4.7K
C41
.1
R55
20M
+12V
R64
330K
C31
.1
C42
3.3
17B
4066
C137
.01
C36
.1
R56
1.6M
+12V
R75
1.8A 1W
C35
220/16V
LM383
IM
C32
R53
330K
R65
8.2K
C33
.1
C34
.1
C38
100/16V
C40
.1
R74
33
C37
.01
R61
2.2 1/2W
R62
680
C43
100/16V
AUDIO OUT
J16
1
2
+5V
R52
4.7K
APT
FZ
N/C
N/C
N/C
AGC
ENC/DEC
10
2
8
(16B1)
CODEC VOL
+5V
R57
4.7K
+12V
R58
22K
+12V
R59
22K
15B
Ø6
AUDIO INTERFACE
VICTOR BUSINESS PRODUCTS
KIDDE
CPU SCHEMATIC
SHT. 14 OF 14
REV H
DWG. NO. 100471

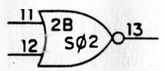


POWER & SPARES

NOTES: UNLESS OTHERWISE SPECIFIED

1. ELECTRICAL VALUES ARE IN OHMS, MICROFARADS, AND MICROHENRIES.
2. ALL RESISTORS ARE ±5%, 1/4W
3. ALL INTEGRATED CIRCUITS ARE SN74 SERIES.
4. IC PINS ARE, GND=7, +5V=14

IC TYPE	GND	+5V
74LS138	8	16
74LS139	8	16
74LS153	8	16
74LS157	8	16
74LS174	8	16
74LS175	8	16
74LS245	10	20
74LS373	10	20
4164	16	8

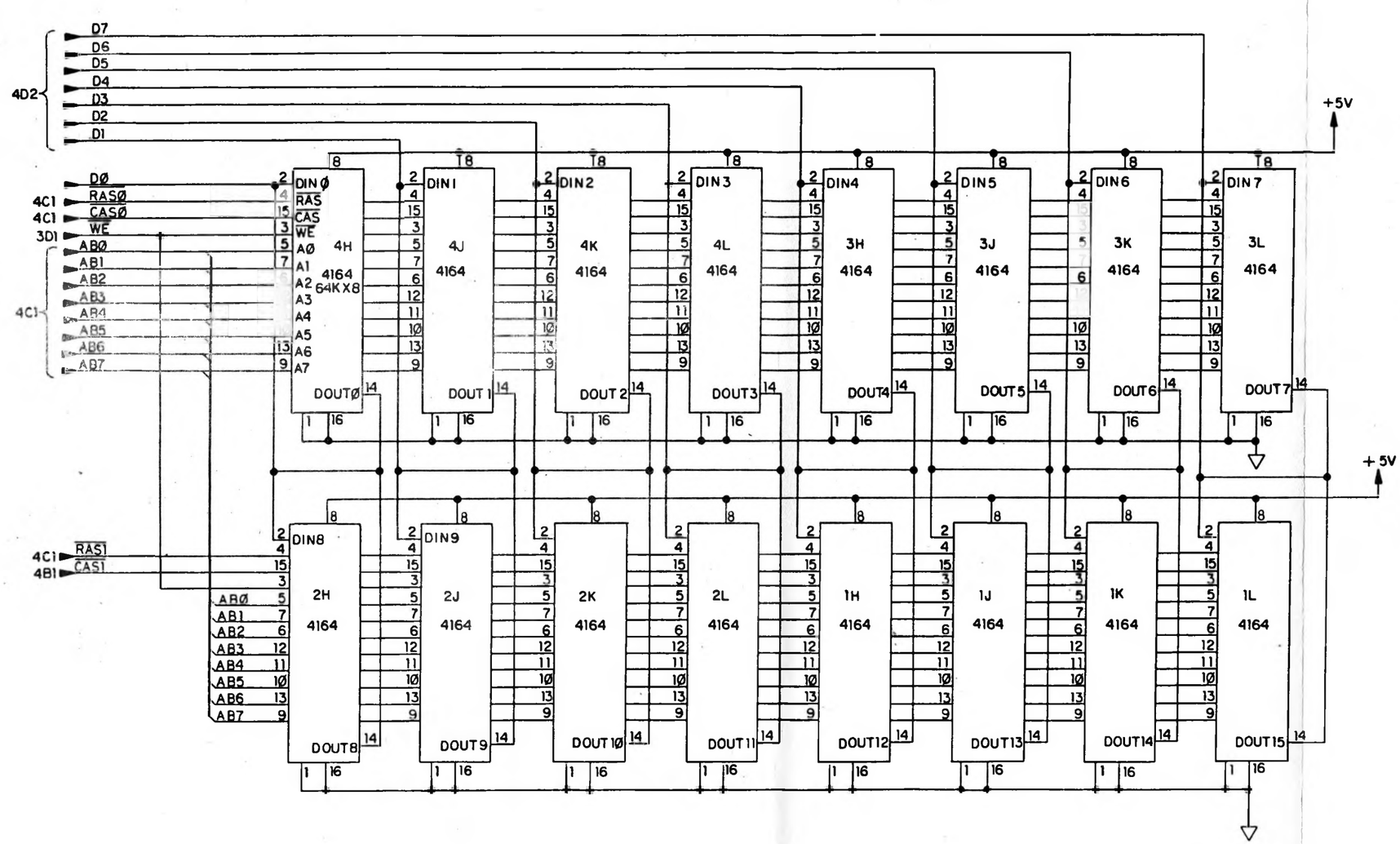


SPARE GATES

SHT. 1 OF 4 REV. P1
DWG. NO. 100901

VICTOR BUSINESS PRODUCTS (Subsidiary of Kidde, Inc.)

128K MEMORY SCHEMATIC



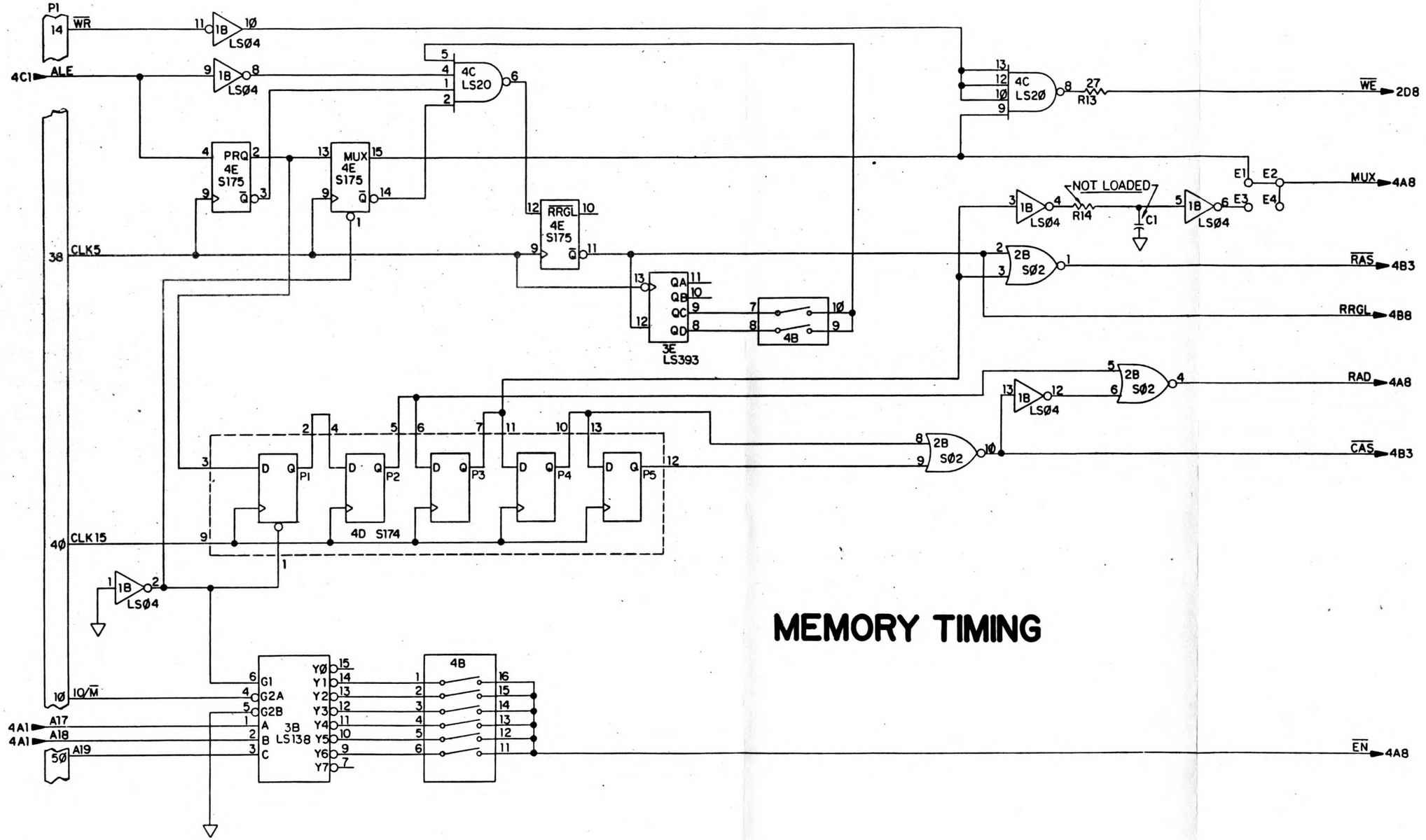
DYNAMIC RAMS

VICTOR · BUSINESS PRODUCTS

128K MEMORY SCHEMATIC

SHT. 2 OF 4 | REV P1

DWG. NO. 100901



MEMORY TIMING

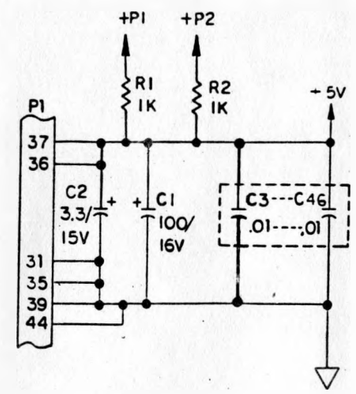
SHT. 3 OF 4 REV. P1
DWG. NO. 100901

VICTOR BUSINESS PRODUCTS

128K MEMORY SCHEMATIC

MEMORY ADDR/ DATA CONTR'L

VICTOR BUSINESS PRODUCTS	128K MEMORY SCHEMATIC
SHT. 4 OF 4 REV P1	DWG. NO. 100901

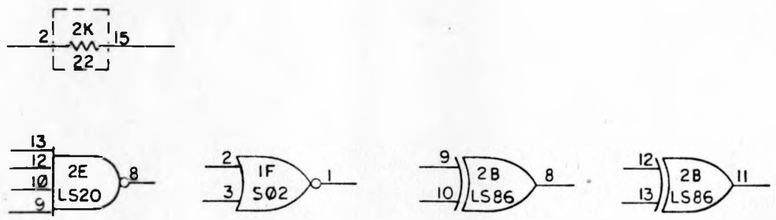


NOTES: UNLESS OTHERWISE SPECIFIED

1. ELECTRICAL VALUES ARE IN OHMS, MICROFARADS, AND MICROHENRIES.
2. ALL RESISTORS ARE ±5%, 1/4W
3. ALL INTEGRATED CIRCUITS ARE SN74 SERIES.
4. IC PINS ARE, GND=7, +5V=14

IC TYPE	GND	+5V	
74LS138	8	16	
74 S153	8	16	
74LS157	8	16	
74 S174	8	16	
74 S175	8	16	
74LS245	10	20	
74LS373	10	20	
4164	16	8	(REF)

POWER & SPARES



SPARE GATES

SHT. 1 OF 6 REV A
DWG. NO. 10 10 71

VICTOR · BUSINESS PRODUCTS

384K MEMORY SCHEMATIC

MEMORY TIMING

P1 14 WR
3C1 ALE
38 CLK5
40 CLK15
49 A17
1 A18
50 A19
10 IO/M
+P1

2F SØ4 (2)
2E LS20
PRQ 2D S175
MUX 2D S175
RRGL 2D S175
LS393
1D LS11 (2)
2H 22 (3)
WEØ 4C8
WEI 5C8
WE2 6C8
MUX 3A8
1F SØ2 (3)
RAS 3B3
RRGL 3B8
RAD 3A8
CAS 3B3
1E S174 (P1 P2 P3 P4 P6)
LS138
2B LS86 (2)
E1 E2 E3
E4 E6 E5
EN 3A8
BA17 3A8
BA18 3A8

VICTOR BUSINESS PRODUCTS (KIDDE)

SHT. 2 OF 6 | REV. A
DWG. NO. 10 10 71

384K MEMORY SCHEMATIC

MEMORY ADDR/DATA CONTROL

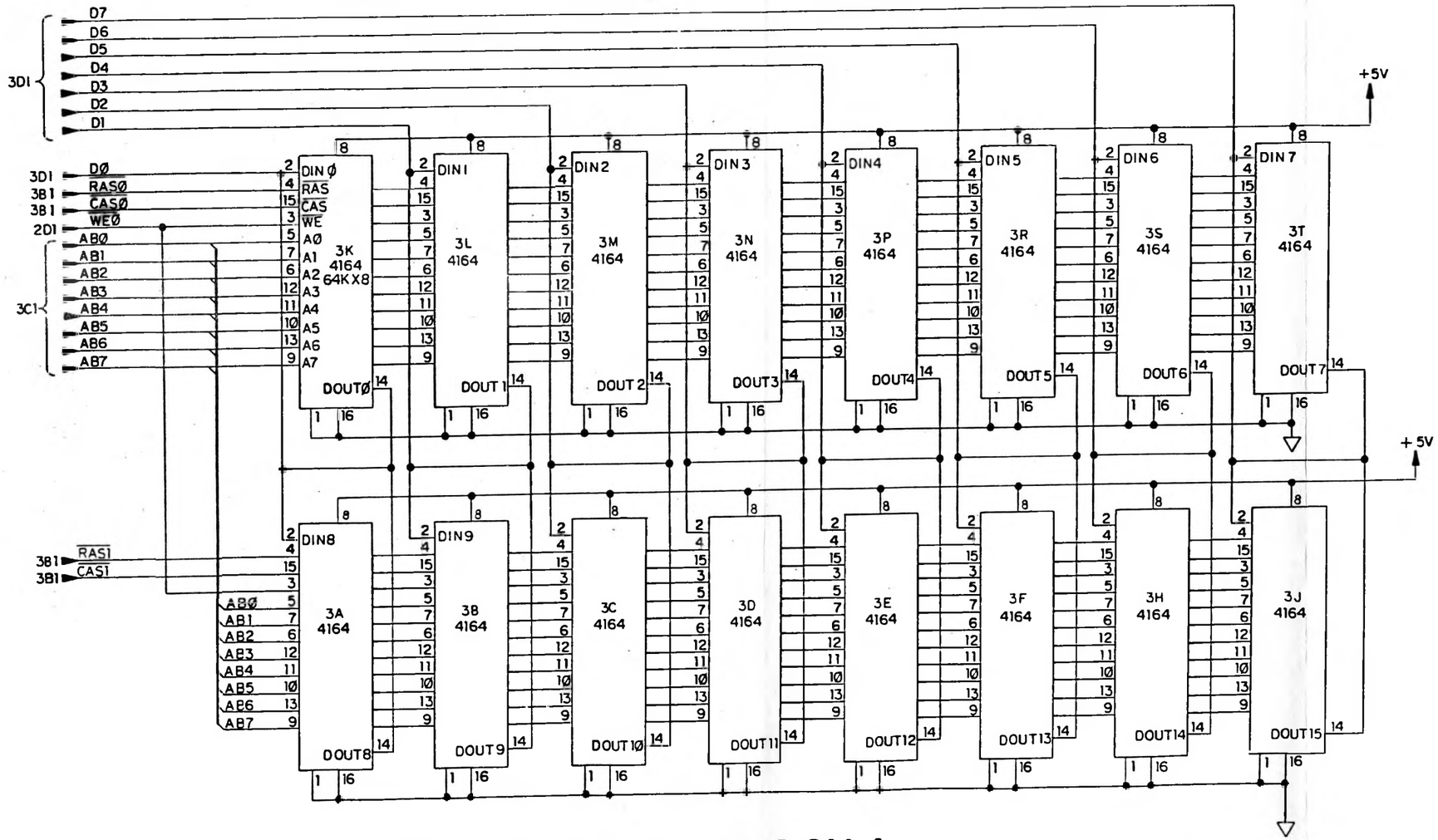
$A_2 A_1 A_0$
$0\ /\ 0 = Y2$

VICTOR BUSINESS PRODUCTS

384K MEMORY SCHEMATIC

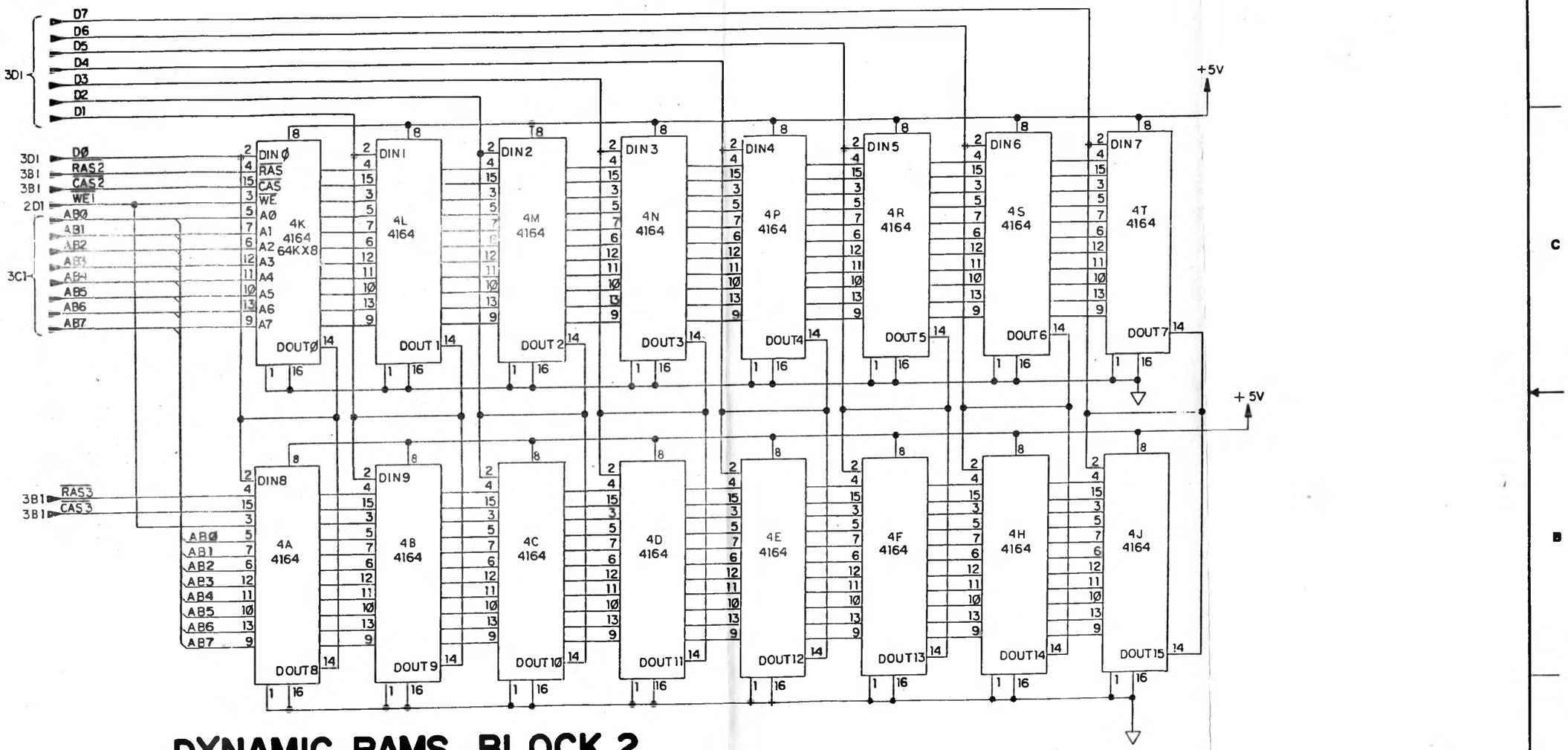
SHT. 3 OF 6 | REV. A

DWG. NO. 1010 71



DYNAMIC RAMS, BLOCK 1

SHT. 4 OF 6 REV. A	VICTOR BUSINESS PRODUCTS
DWG. NO. 101071	384K MEMORY SCHEMATIC



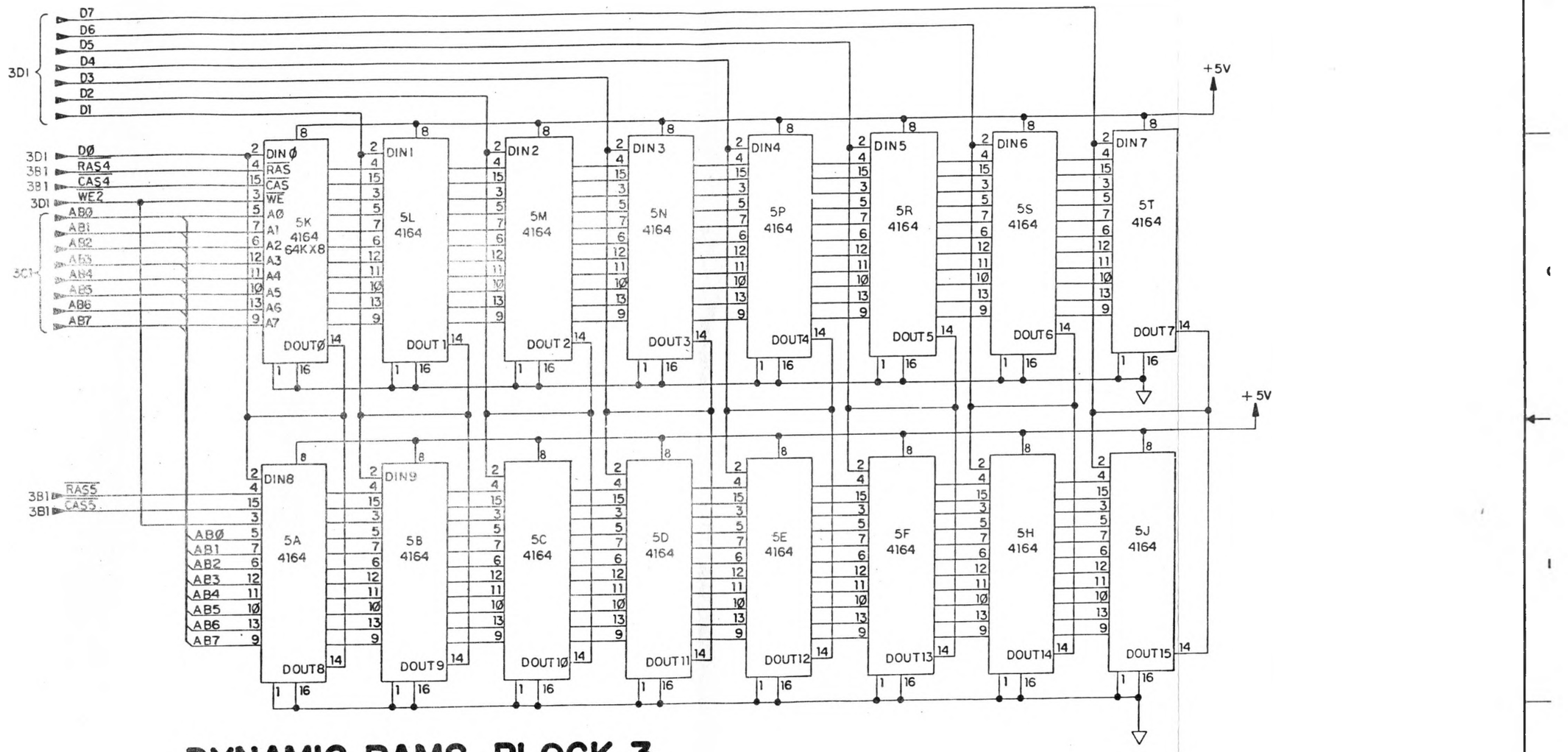
DYNAMIC RAMS, BLOCK 2

VICTOR BUSINESS PRODUCTS

384K MEMORY SCHEMATIC

SHT. 5 OF 6 | REV. A

DWG. NO. 101071



DYNAMIC RAMS, BLOCK 3

SHT. 6 OF 6	REV. A
DWG. NO. 101071	

VICTOR BUSINESS PRODUCTS

384K MEMORY SCHEMATIC