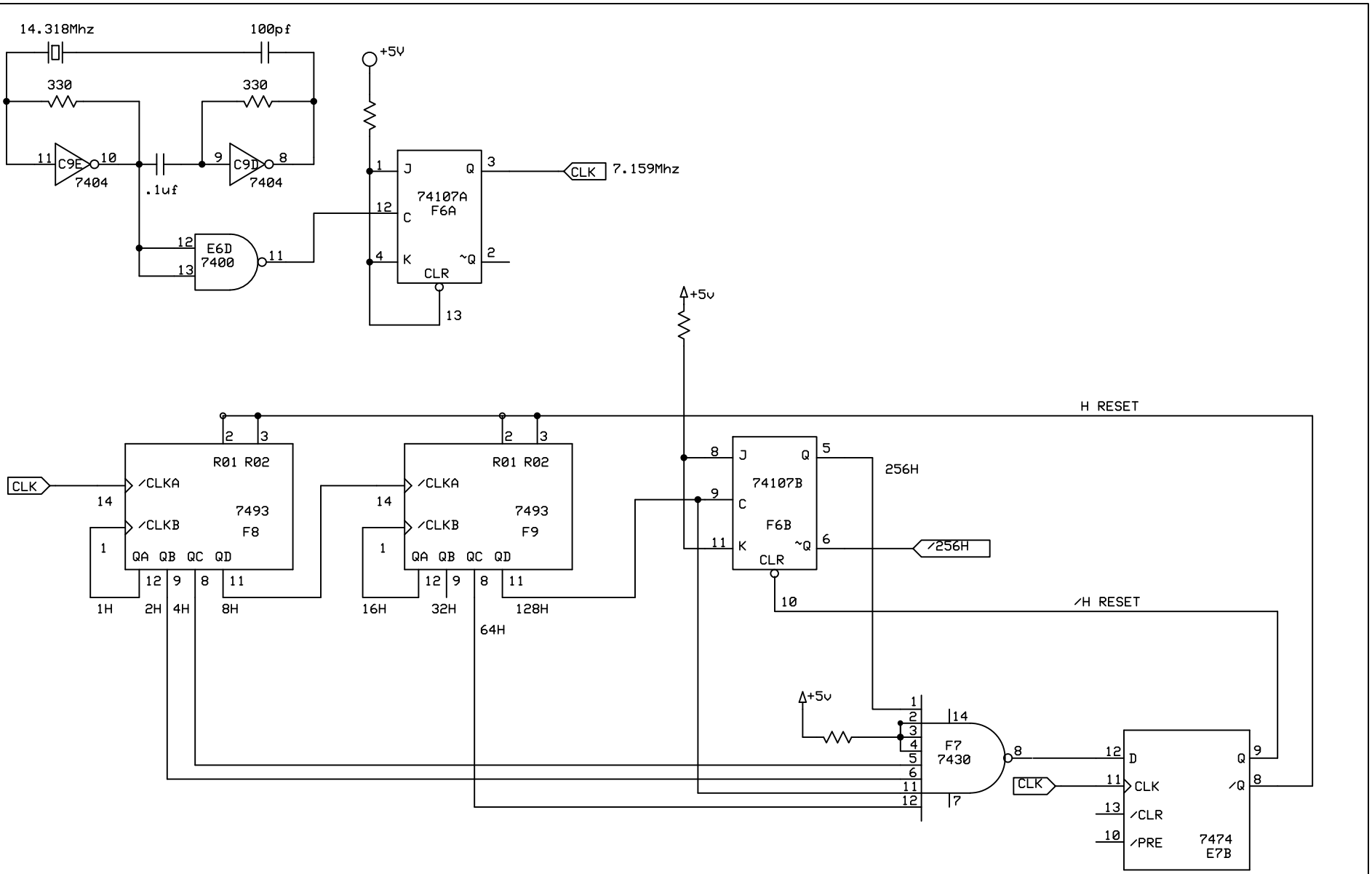
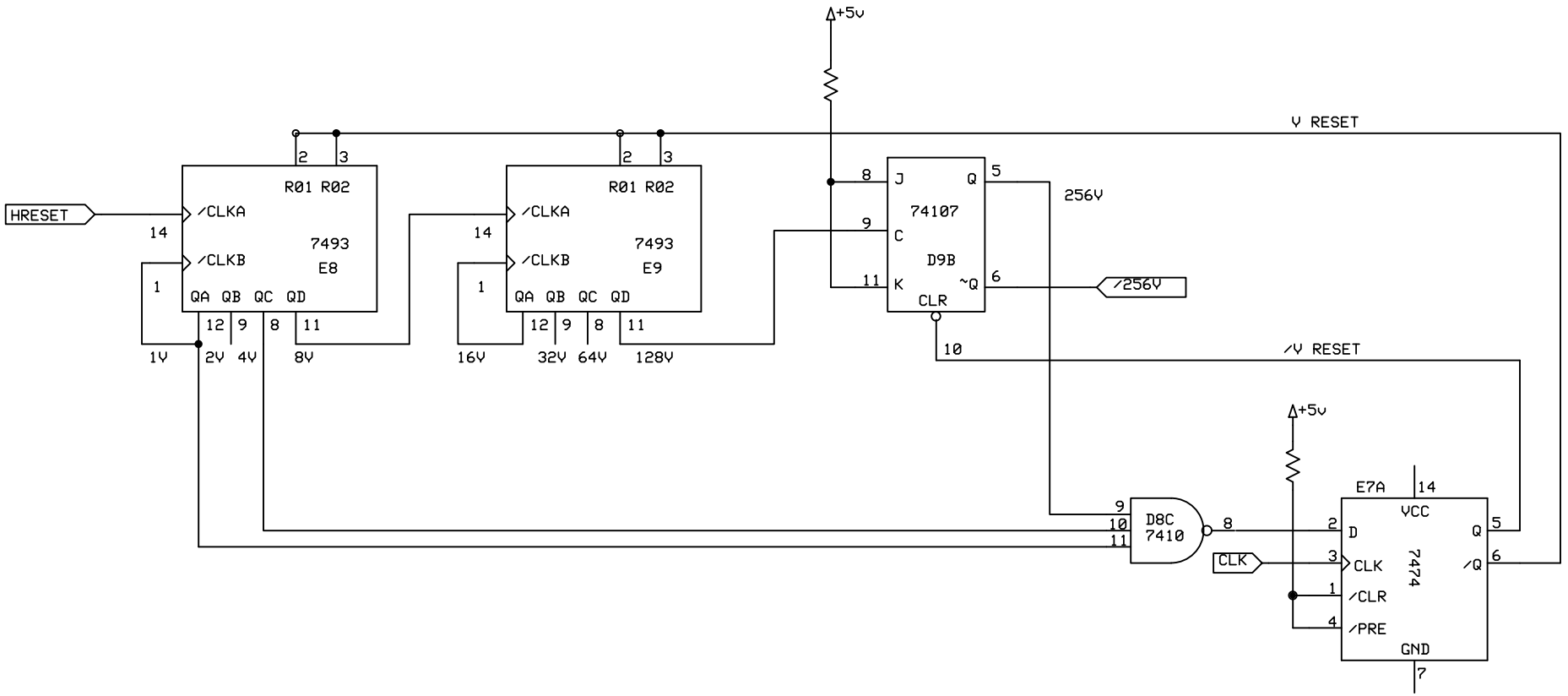
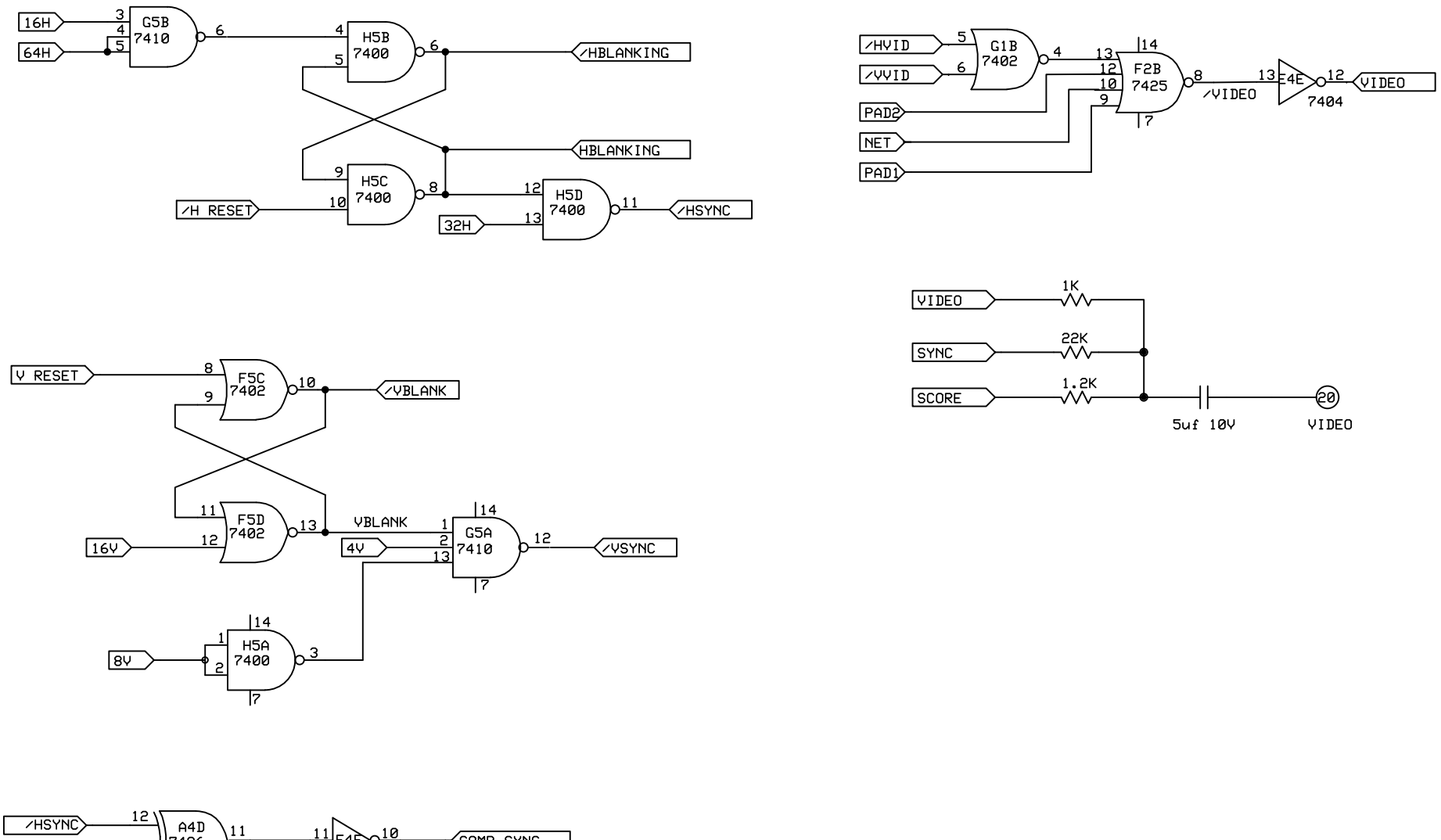


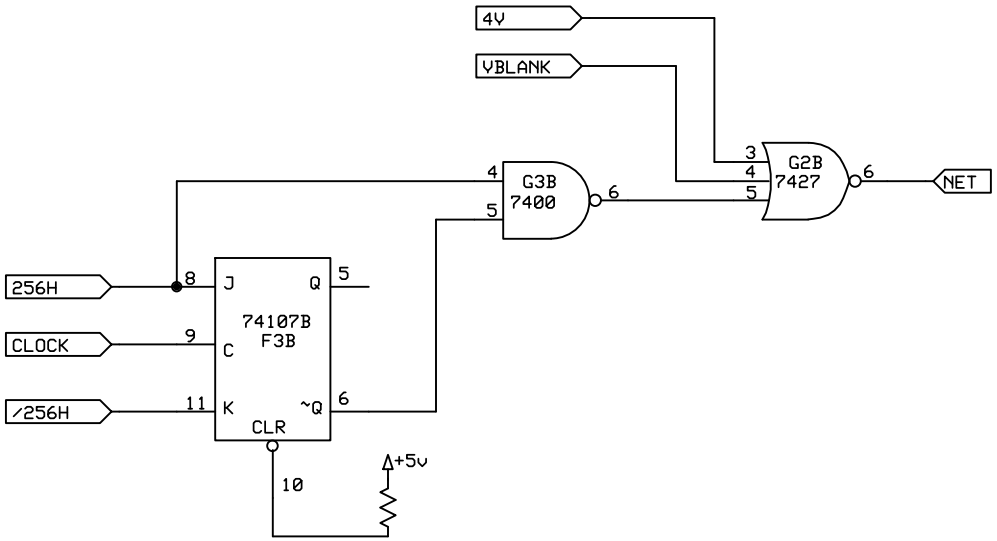
Atari		
Pong		
HSYNC	Rev 1.0 9/23/2006	Page 1



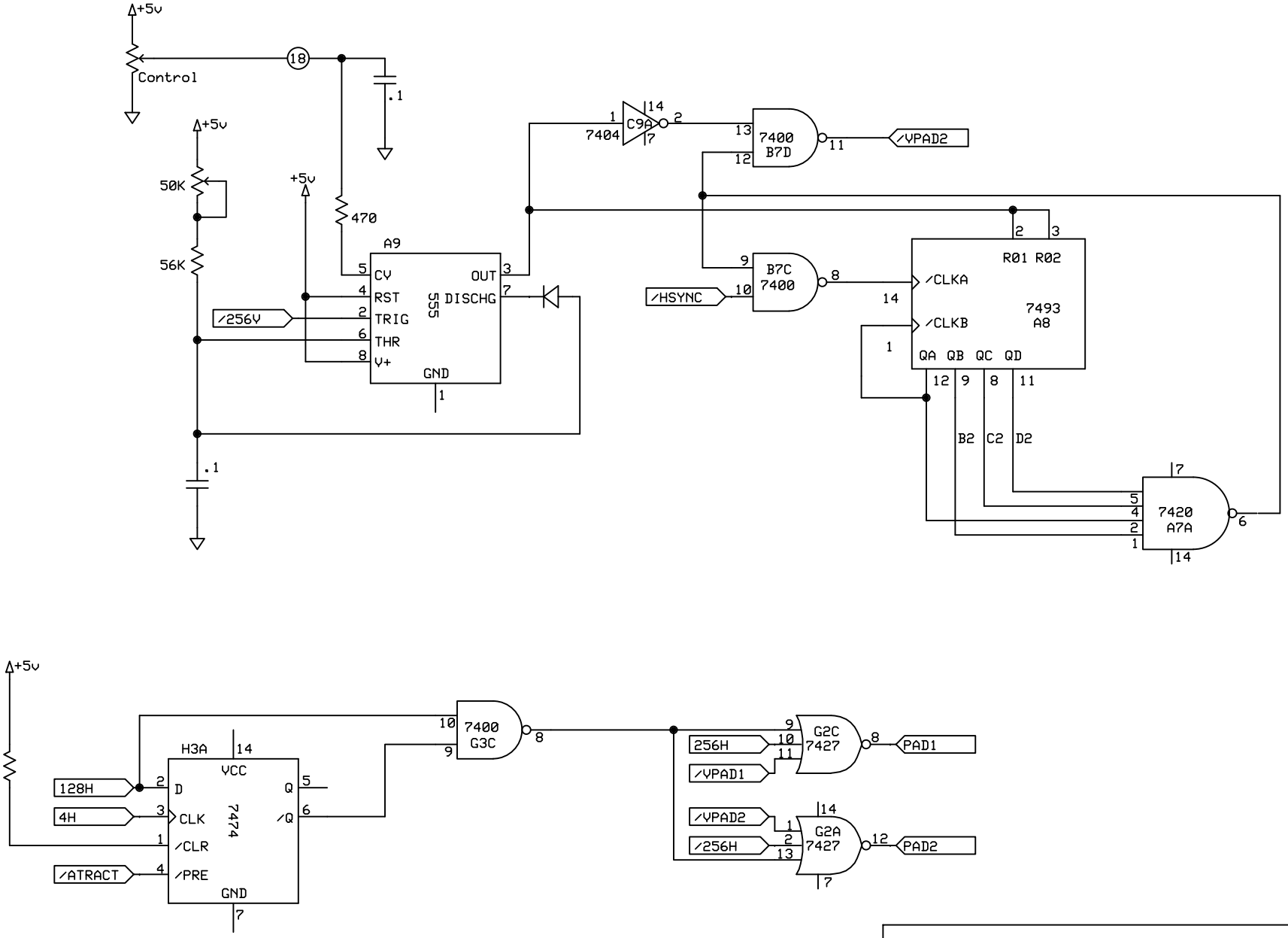
Atari		
Pong		
VSYNC	Rev 1.0 9/23/2006	Page 2



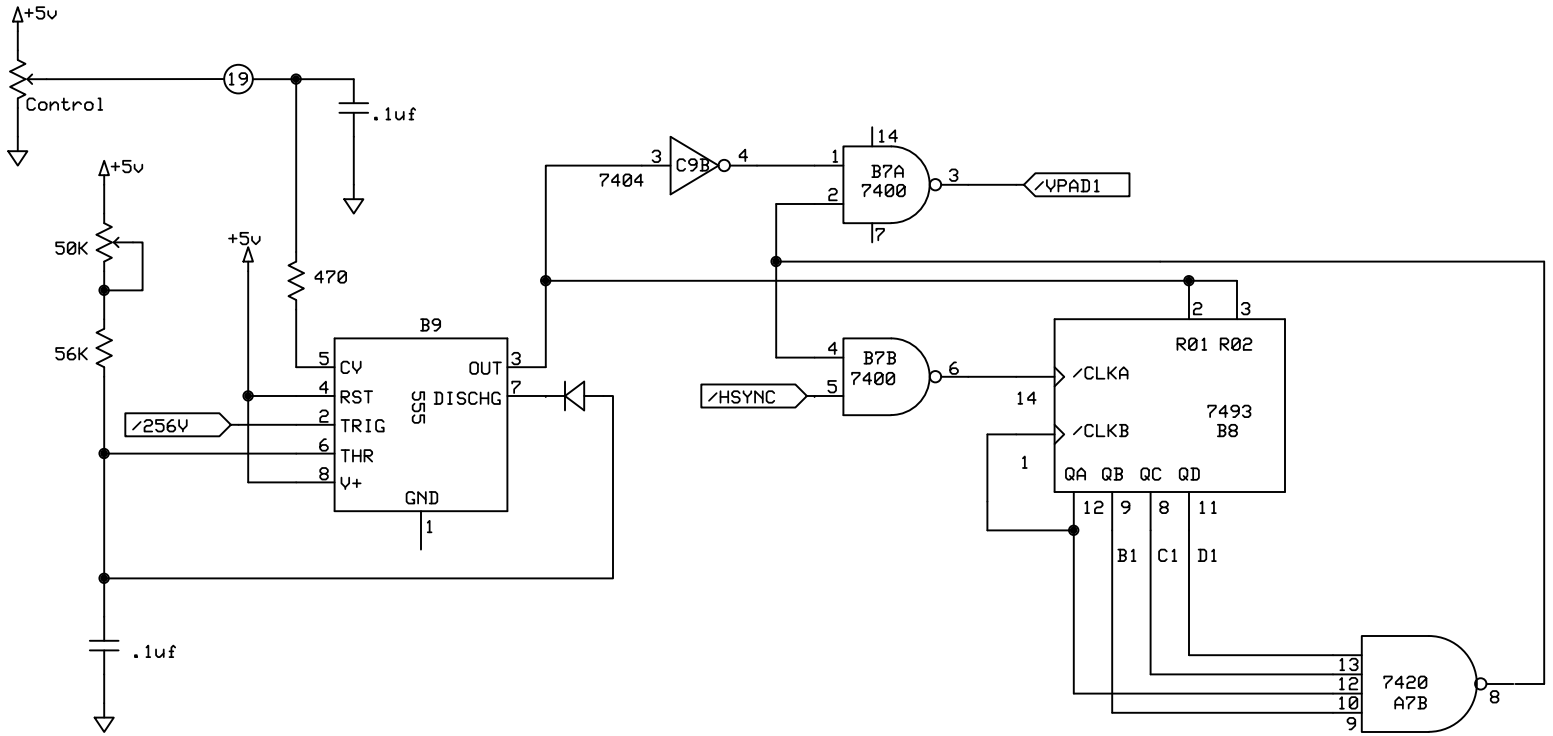
Atari		
Pong		
SYNC/Video Sum	Rev 1.0 9/23/2006	Page 3



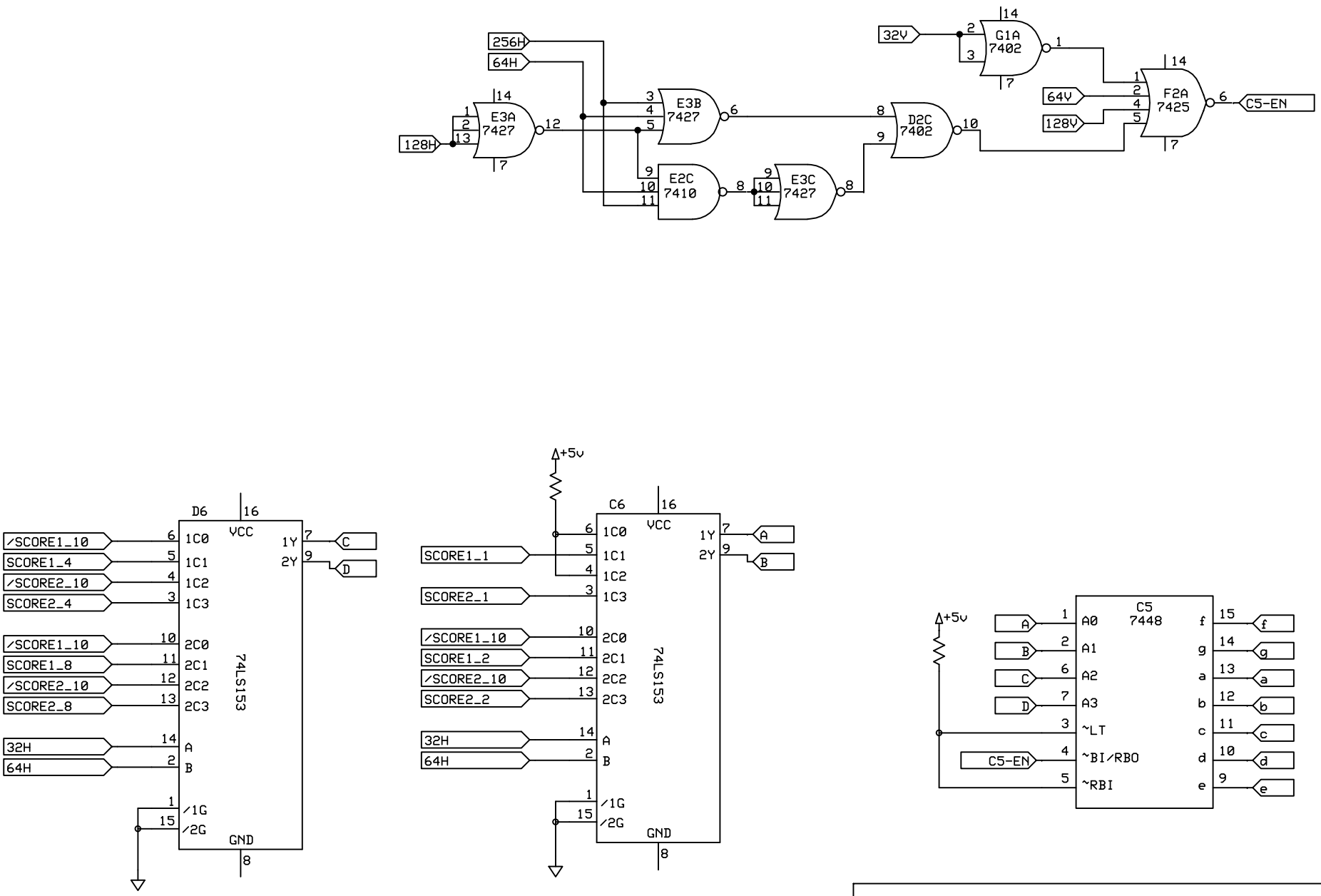
Atari		
Pong		
Net	Rev 1.0 9/23/2006	Page 4



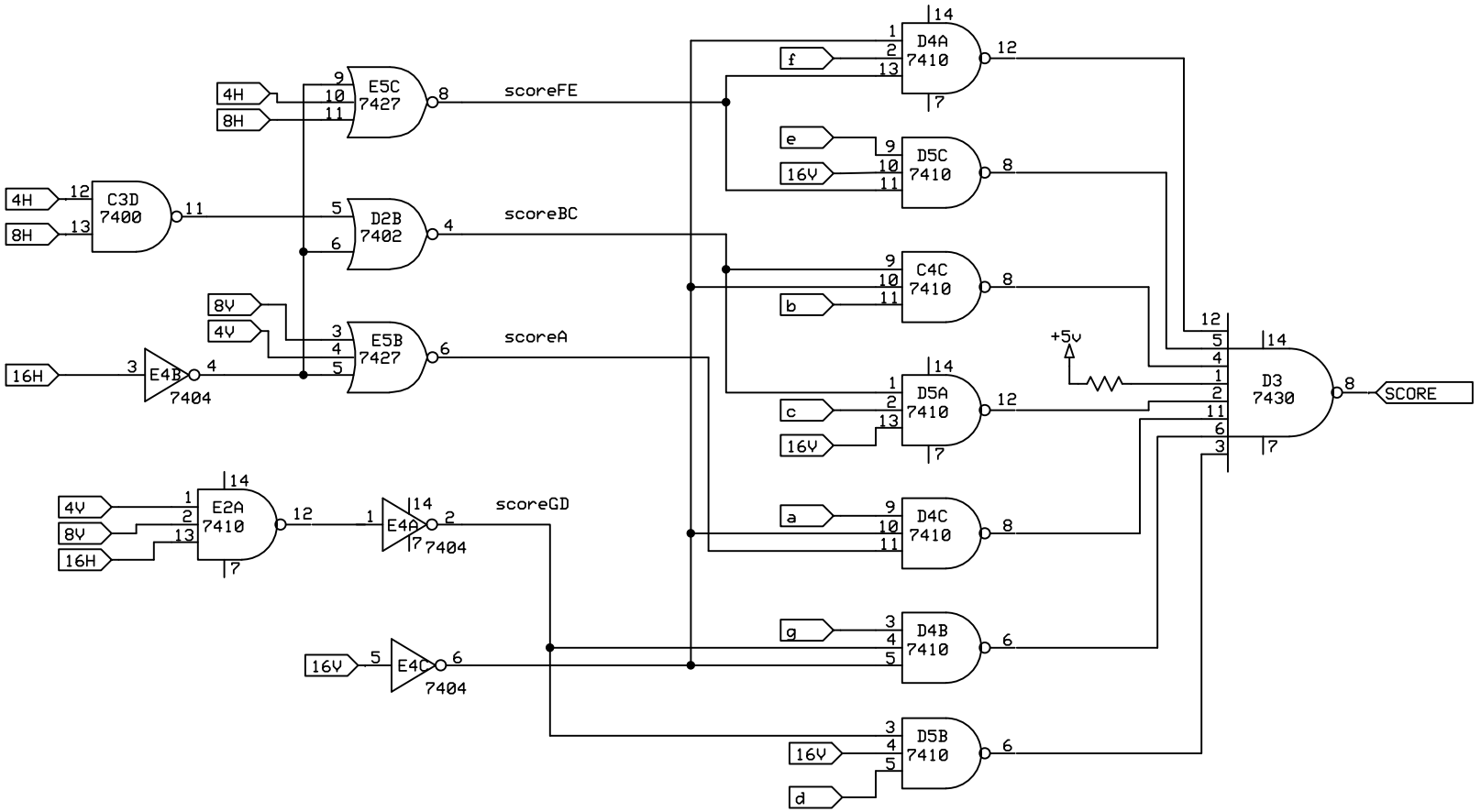
Atari		
Pong		
Paddle 2	Rev 1.0 6/3/2007	Page 5

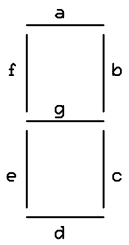


Atari		
Pong		
Paddle 1	Rev 1.0 6/3/2007	Page 6



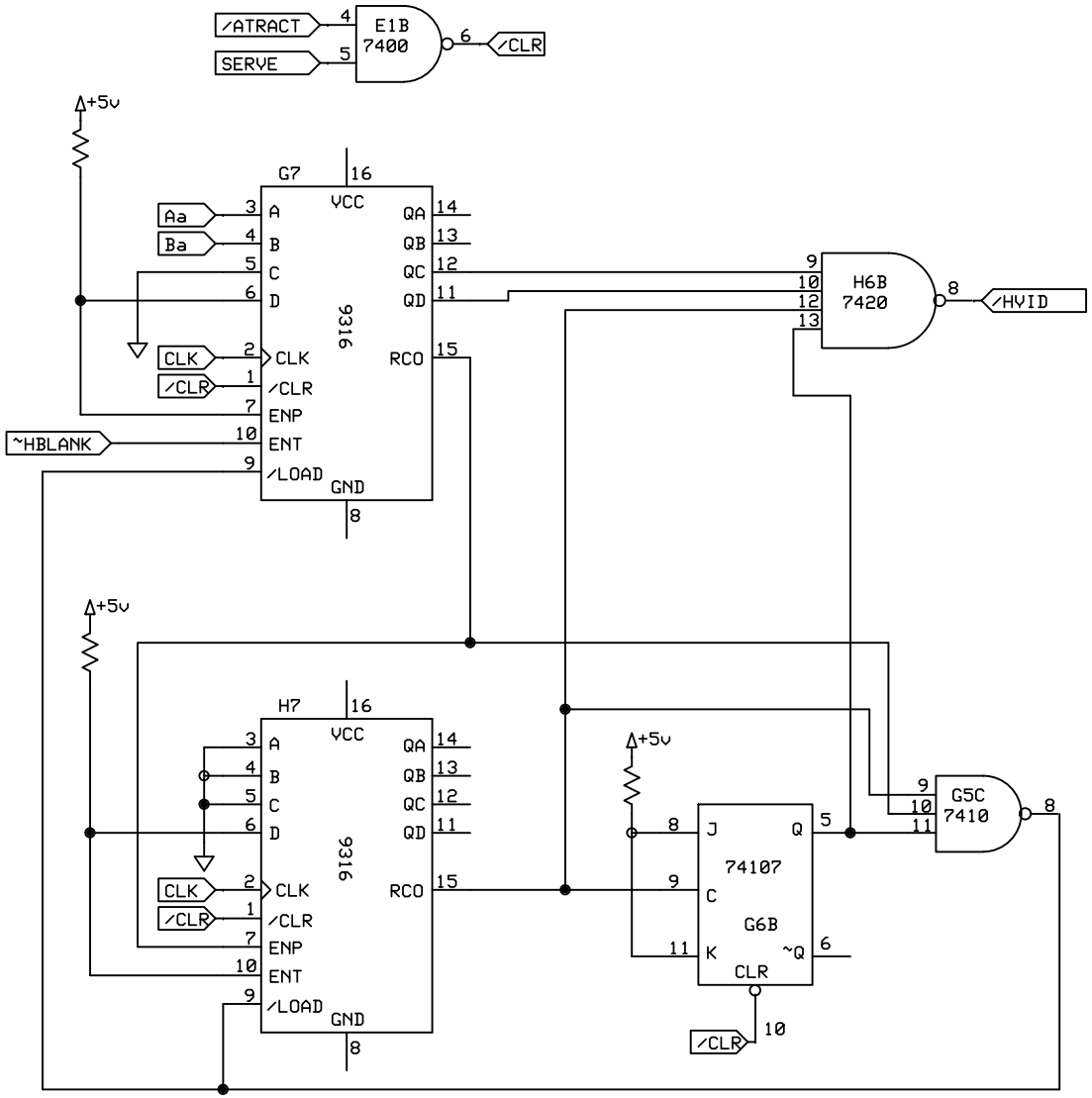
Atari		
Pong		
Score Display 1	Rev 1.0 6/3/2007	Page 7



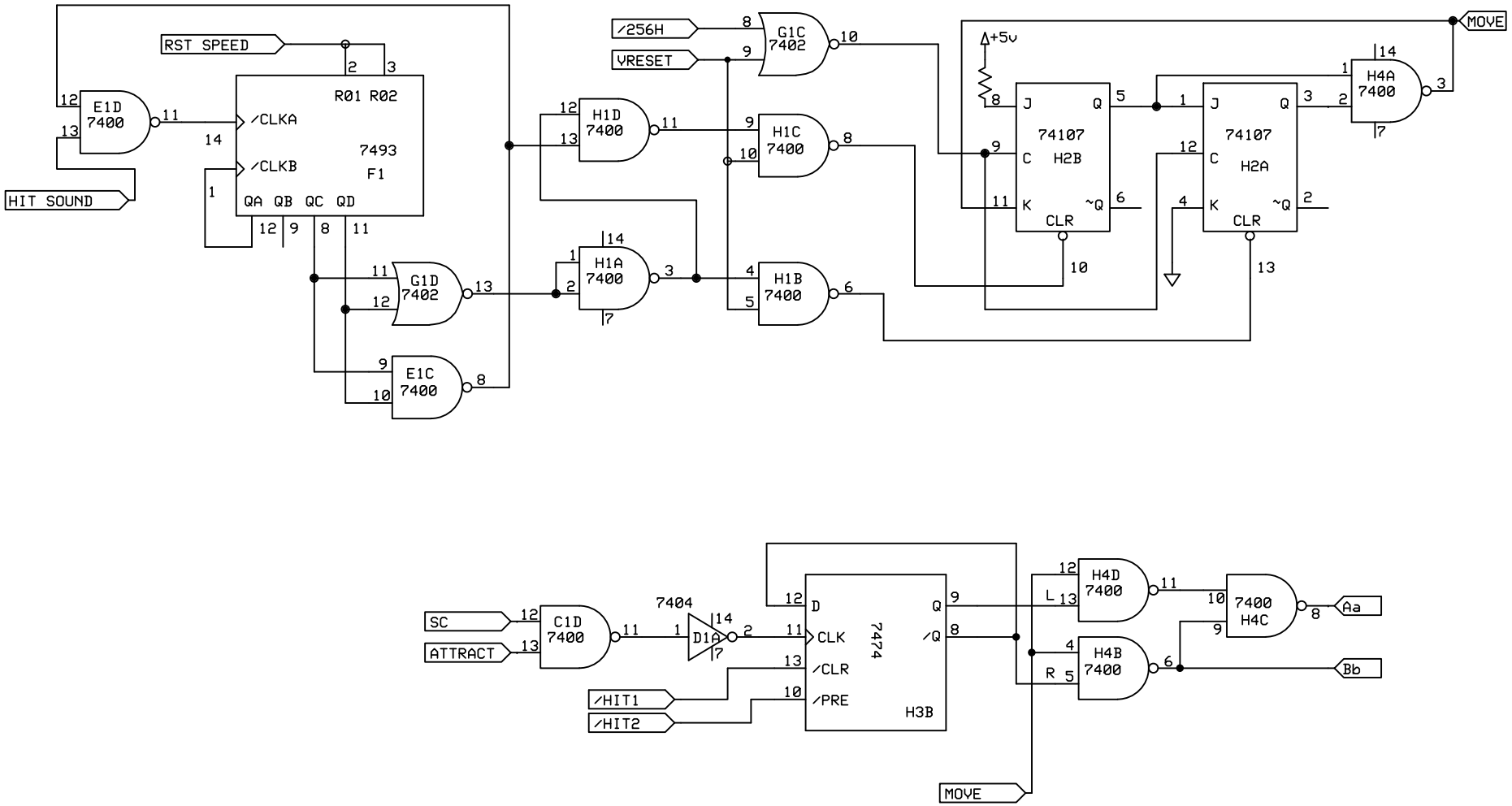


Score Segments

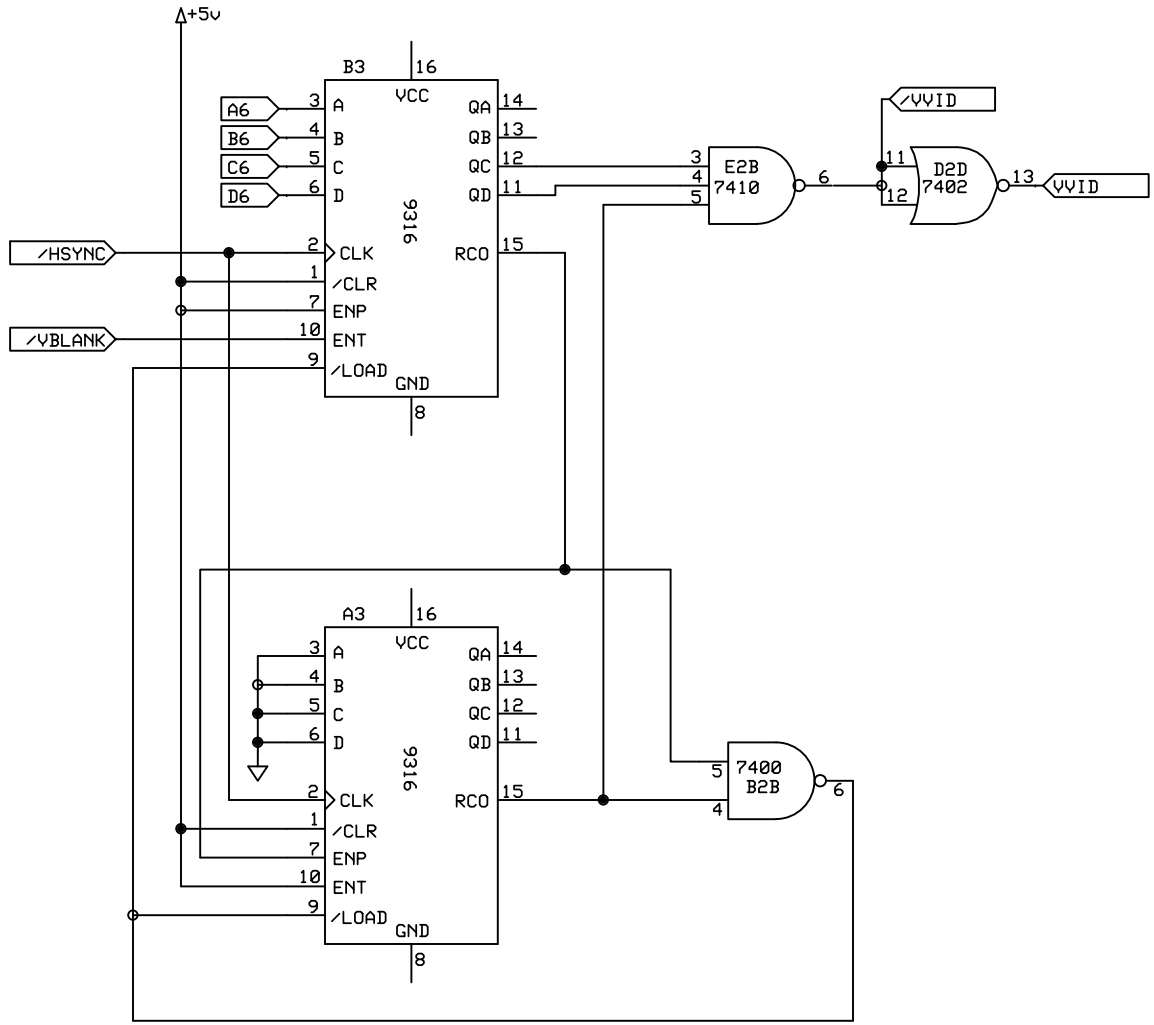
Atari		
Pong		
Score Display 2	Rev 1.0 6/3/2007	Page 8



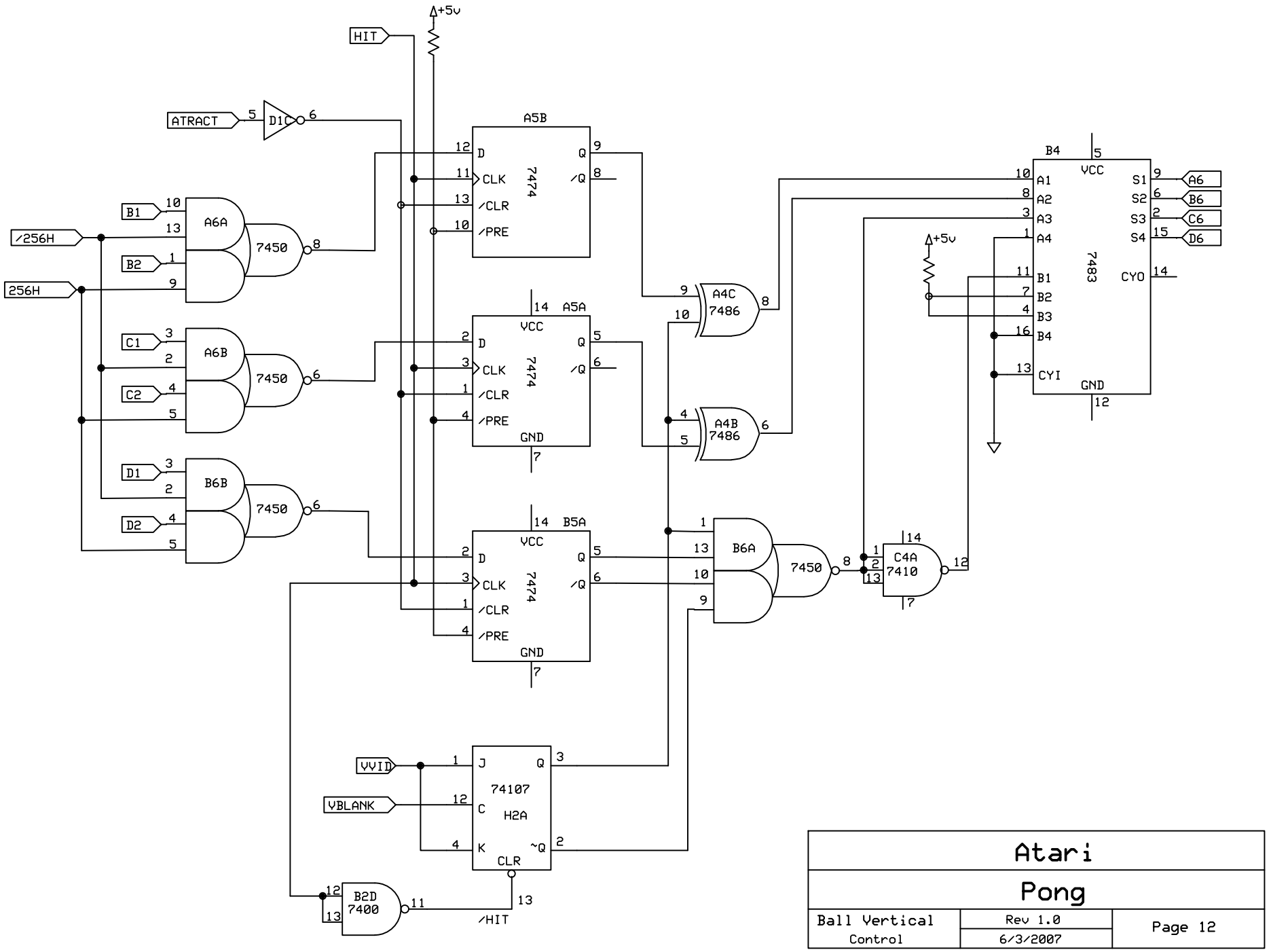
Atari		
Pong		
Horizontal Ball Counter	Rev 1.0 6/3/2007	Page 9

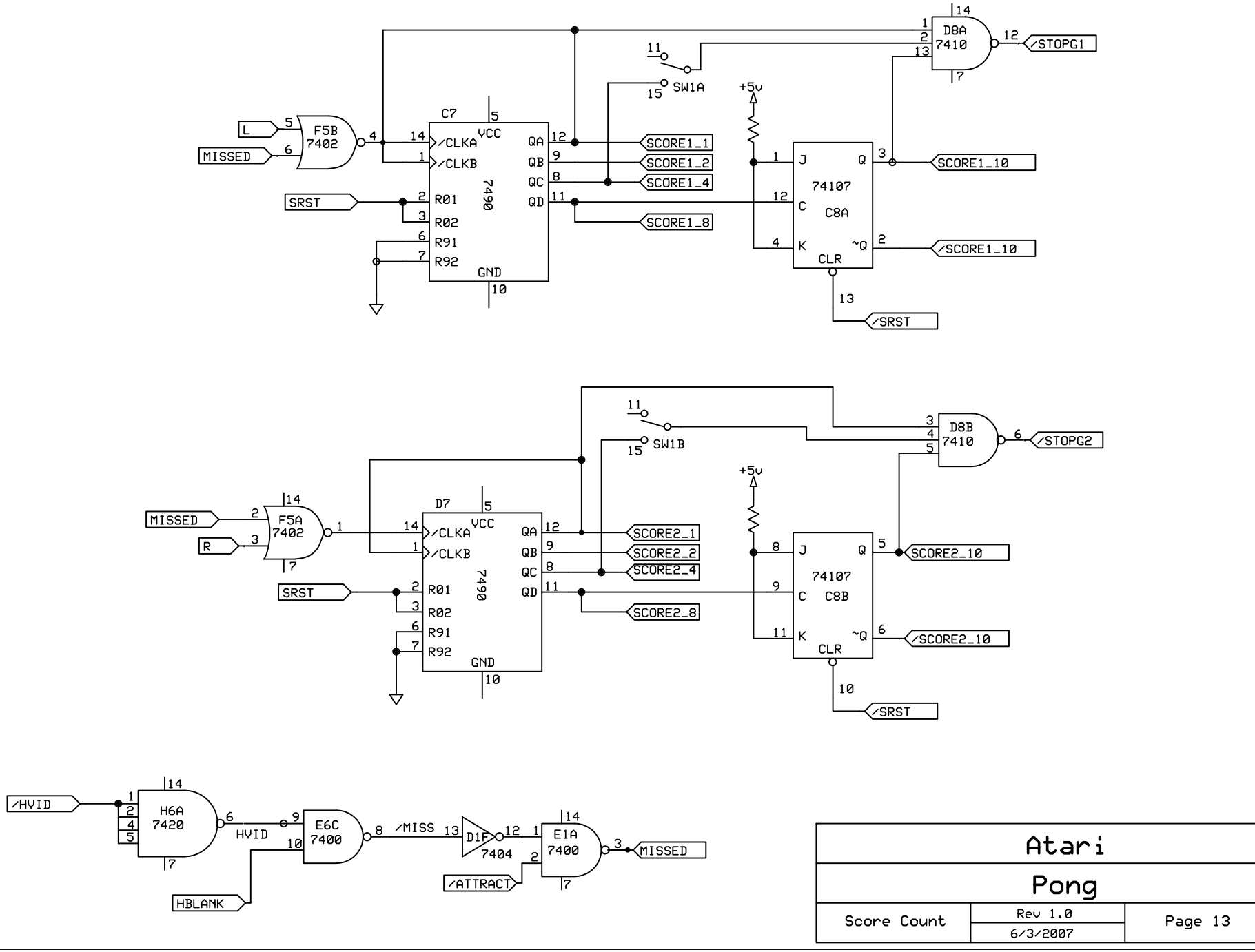


Atari		
Pong		
Horizontal Ball Control	Rev 1.0 6/3/2007	Page 10

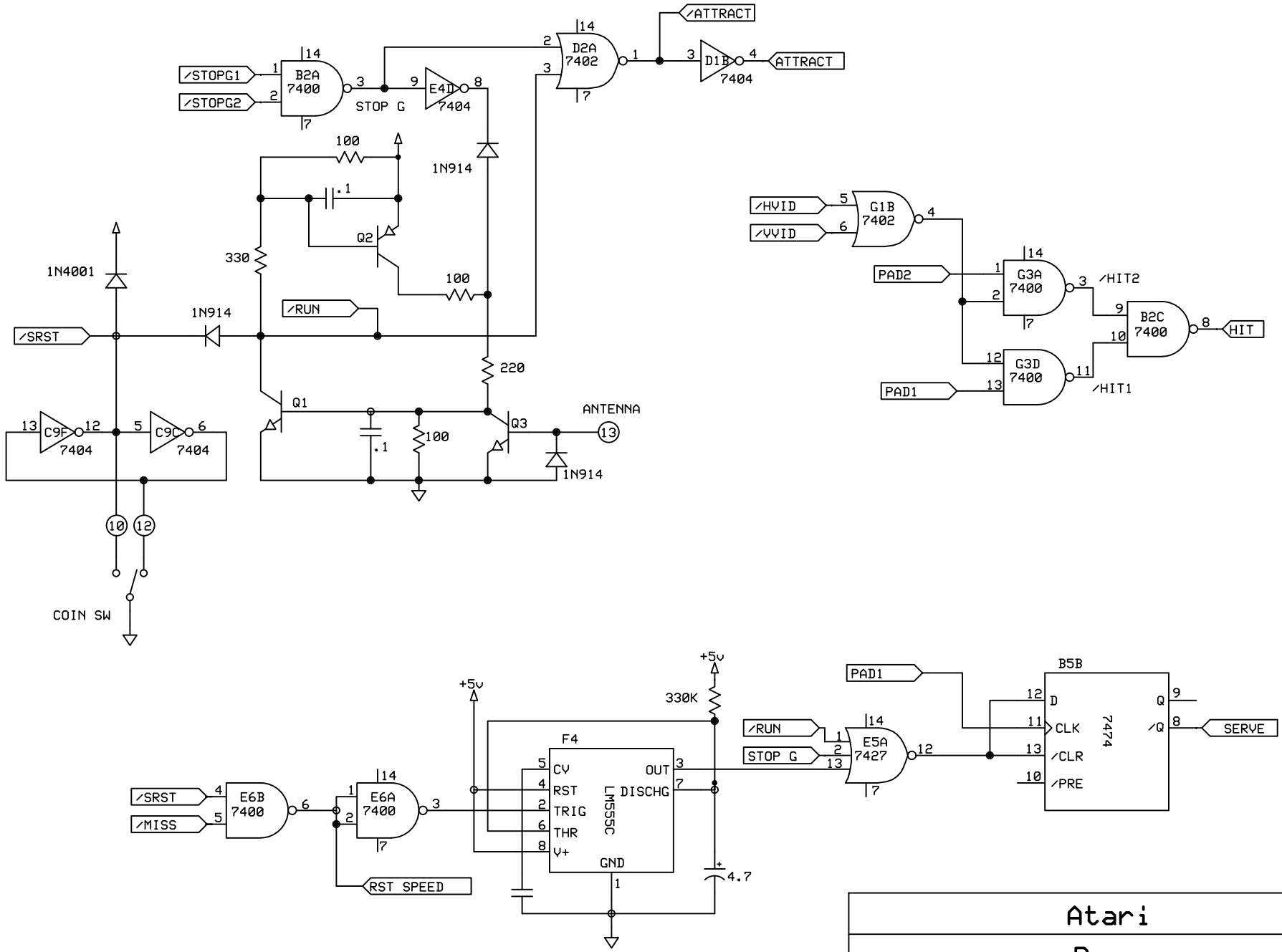


Atari		
Pong		
Ball Vertical Counter	Rev 1.0 6/3/2007	Page 11

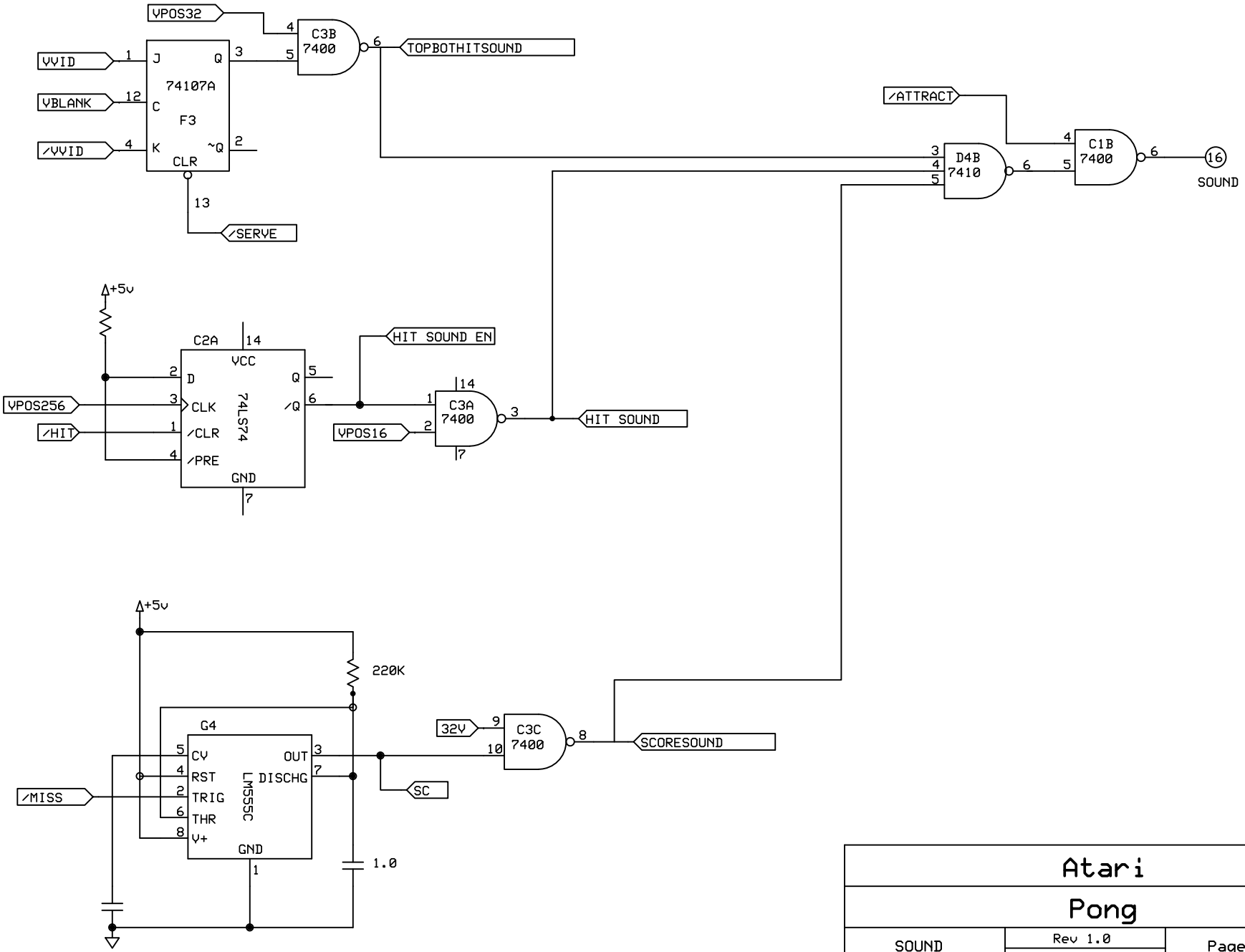

+5v
HIT
ATRACT
D1C
A5B
7474
A6A
7450
B1
/256H
B2
256H
A6B
C1
C2
B6B
D1
D2
A5A
A4C
7486
A4B
B5A
B6A
C4A
7410
B4
7483
A6
B6
C6
D6
CYO
CYI
GND
VCC
VVID
VBLANK
74107
H2A
B2D
7400
/HIT
Atari
Pong
Ball Vertical Control
Rev 1.0
6/3/2007
Page 12



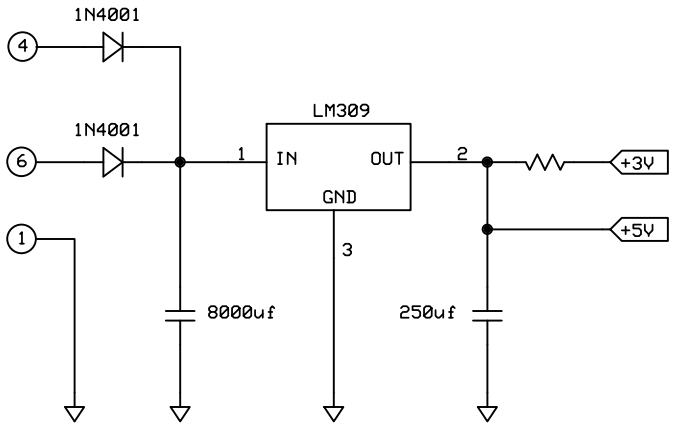
Atari		
Pong		
Score Count	Rev 1.0 6/3/2007	Page 13



Atari		
Pong		
Game Control	Rev 1.0 6/3/2007	Page 14



Atari		
Pong		
SOUND	Rev 1.0 9/23/2006	Page 15



Notes

* These schematics where created based on the original Atari Pong "E" schematics date 4/74.
* Where necessary signal names have been added that where not part of the original schematics to make it easier to break the schematic up into pages.
* Whenever the alternate version of a logical symbol was used in the original schematics, it has been replaced with the standard symbol.
* Off board connections are represented like this: (4)

Atari		
Pong		
POWER	Rev 1.0 9/23/2006	Page 16