Clock

Power Input

Power Reset and Watchdog Counter

NMI Counter

Microprocessor

TEST CONNECTOR - FOR ATARI MANUFACTURING ONLY

Address Decoder

RAM Memory

Program Memory

NOTE:
* USE NUMBERS IN PARENTHESES IF BOARD CONTAINS AM8304B INSTEAD OF 74LS245, 2 PLACES THIS PAGE.

MEMORY MAP

HEXADECIMAL	A15	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	A0	R/W	D7	D6	D5	D4	D3	D2	D1	D0	FUNCTION
0000-03FF	0	0	0	0	A	A	A	A	A	A	A	A	A	A	A	A		D	D	D	D	D	D	D	D	PROGRAM RAM (1K)
0800	0	0	0	0	1	0	0										R					D				RIGHT COIN SWITCH
	0	0	0	0	1	0	0										R						D			CENTER COIN SWITCH
	0	0	0	0	1	0	0										R							D		LEFT COIN SWITCH
	0	0	0	0	1	0	0										R								D	SLAM SWITCH
	0	0	0	0	1	0	1	0									R		D							SELF TEST SWITCH
	0	0	0	0	1	0	1	0									R			D						DIAG STEP SWITCH
	0	0	0	0	1	0	1	0									R	D								HALT
	0	0	0	0	1	0	1	1									R								D	3 KHZ
0A00	0	0	0	0	1	0	1	0									R	D	D	D	D	D	D	D	D	OPTION SWITCH INPUTS
0C00	0	0	0	0	1	1	0										R	D	D	D	D	D	D	D	D	OPTION SWITCH INPUTS
1000	0	0	0	1	0	0	0										W	D								COIN COUNTER RIGHT
	0	0	0	1	0	0	0										W							D		COIN COUNTER CENTER
	0	0	0	1	0	0	1										W								D	COIN COUNTER LEFT
	0	0	0	1	0	0	1										W								D	VIDEO INVERT X
1200	0	0	0	1	0	0											W			D						VIDEO INVERT Y
1400	0	0	0	1	0	1	0										W									VECTOR GENERATOR GO
1600	0	0	0	1	0	1	1										W									WATCHDOG CLEAR
	0	0	0	1	1												W									VECTOR GENERATOR RESET
1800-187FF	0	0	0	1	1				A	A	A	A	A	A	A			D	D	D	D	D	D	D	D	AUXILIARY PCB ENABLE
2000-27FF	0	1	0	A	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	VECTOR RAM (2K)
2800-2FFF	0	1	0	1	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	VECTOR RAM/VECTOR ROM (2K)
3000-3FFF	0	1	1	A	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	VECTOR ROM (4K)
5000-5FFF	1	0	1	A	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	PROGRAM ROM (4K)
6000-7FFF	1	1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	PROGRAM ROM (8K)

NOTE

☐ Indicates Edge Connector
○ Indicates Interconnect Connector
▷ Indicates Test Point

ATARI®

Sheet 2, Side A

BATTLEZONE™

Game Microprocessor

Game Address Decoding Circuitry

Analog Vector-Generator PCB Power Input

Clock

NMI Counter

Power Reset and Watchdog Counter

Game Program Memory

Game RAM

Game Memory Map

Section of 035742-01 & -02   B

A Warner Communications Company