Road Blasters pinout by Corrado Tomaselli c.tomaselli78@gmail.com on 19.01.2020

ATARI SYSTEM I COCKTAL MAIN PCB

P103 (22 pin fingerboard)
from left to right

Component side		Solder side		
1	GND	1	GND
2	-5V*	2	GND
3	GND	3	
4		4	
5	12V	5	
KEY		KEY	
6	5V	6	5V
7	GND	7	GND
8		8	TEST
9	COIN1	9	
10	Fire 2 (Thumb)	10	Fire 1 (Trigger)
11		11	
12		12	
13	GAS**	13	
14		14	
15		15	
16		16	Direction (Wheel or Spinner)
17		17	Direction (Wheel or Spinner)
18	GND	18	GND
19		19	
20	5V	20	5V
21	COINCRT1	21	GND
22	GND	22	GND

*Schematics indicate -11V
but -5V works good
it is needed for the TMS5220 sound speech
and the TL084 opamp, if it's missing
you will get also the road layer rolling as explained
in the Atari tech tip from 13th October 1987

** to use a pushbutton for the gas pedal
use a 74LS04 as below indicated

not connected	1 14	VCC
not connected	2 13	pushbutton***
not connected	3 12	GAS (Pin 13 P103)
not connected	4 11	not connected
not connected	5 10	not connected
not connected	6 9	not connected
GND	7 8	not connected

*** connected also to a 4,7K resistor to VCC

J202 AMP NLOK 6P connector for VIDEO
right to left

1	RED
2	GREEN
3	BLUE
4	SYNC
5	GND
6	not connected

J101 AMP NLOK 3P connector for POWER (optional)

1	12V
2	GND
3	5V

ATARI SYSTEM I CART 5

J108 AMP MODU2 11P connector for SOUND

1	-5V*
2	KEY
3	GND
4	not connected
5	AUDIO LEFT unamplified
6	AUDIO LEFT GND
7	AUDIO RIGHT unamplified
8	AUDIO RIGHT GND
9	GND
10	not connected
11	not connected