

Galaga pinouts. This also works on Midway's Mappy game

GALAGA/MAPPY

PARTS SIDE		SOLDER SIDE	
LOGIC GND	A	1	LOGIC GND
SPKR	B	2	SPKR (Not sure of polarity)
---	C	3	COIN METER
---	D	4	---
	E	5	
+5v	F	6	+5v
LOGIC GND	H	7	LOGIC GND
CREDIT SW	J	8	TEST SWITCH (Tilt connected to this)
(2nd coin mech also) 1 COIN SW	K	9	
1P START	L	10	2P START
(To rapid fire brd #7) FIRE	M	11	
MOVE LEFT	N	12	
	P	13	
MOVE RIGHT	R	14	
	S	15	
---	T	16	---
---	U	17	---
---	V	18	---
---	W	19	---
	X	20	
	Y	21	
LOGIC GND	Z	22	LOGIC GND

On the CPU board there is an additional 3-part connector. This is power. It's wired as follows:

- 1 - +12v
- 2 - GND
- 3 - +5v

On the Video board, there is an additional 6-part connector. This is

the video connector. It's wired as follows:

- 1 - RED
- 2 - BLU
- 3 - GRN
- 4 - SYNC
- 5 - VIDEO GND
- 6 - (Not used)

Galaga also has the option of a Rapid Fire board. This is a small board that allows the fire button to be held down and your ship to continuously fire shots at the enemy. Holding this board with the circuits facing you and the connectors on the bottom, the pins are numbered 1-9 (with #3 missing). The top set of connectors (J-1) is used for rapid fire, the bottom set (J-2) is used for single fire. It's wired as follows:

- 1 - (Not used)
- 2 - (Not used)
- 3 - (Not present)
- 4 - (Not used)
- 5 - FIRE BUTTON (GND)
- 6 - LOGIC GND
- 7 - FIRE (From Galaga CPU board)
- 8 - FIRE BUTTON
- 9 - +5v

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Addendum

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From: vecoven@montefiore.ulg.ac.be (Frederic Vecoven)
Newsgroups: rec.games.video.arcade.collecting
Subject: GALAGA error messagesFor information :
Date: Thu, 23 Feb 1995 10:18:57 MET

Here are the error messages displayed by Galaga. (original boards set, and pirated one !)

2 boards Galaga (midway)

Display	Description
RAM OK	All RAMs are good
RAM 0L	RAM located on Video PC board at position 1K is bad
RAM 0H	RAM located on Video PC board at position 1K is bad
RAM 1L	RAM located on Video PC board at position 1K is bad
RAM 1H	RAM located on Video PC board at position 1K is bad
RAM 2L	RAM located on Video PC board at position 3E is bad
RAM 2H	RAM located on Video PC board at position 3F is bad
RAM 3L	RAM located on Video PC board at position 3K is bad
RAM 3H	RAM located on Video PC board at position 3L is bad
RAM 4L	RAM located on Video PC board at position 3H is bad
RAM 4H	RAM located on Video PC board at position 3J is bad
ROM OK	All ROMs are good
ROM 01	ROM located on CPU PC board at position 3N is bad
ROM 02	ROM located on CPU PC board at position 3M is bad
ROM 03	ROM located on CPU PC board at position 3L is bad
ROM 04	ROM located on CPU PC board at position 3K is bad

ROM 11 ROM located on CPU PC board at position 3J is bad
ROM 21 ROM located on CPU PC board at position 3E is bad