

# JAMMA

Solder side (Bottom)		Parts side (Top)	
GND		A	1
		B	2
+5V	➔	C	3
		D	4
NC/-5v		E	5
+12V	➔	F	6
Key		H	7
Coin counter #2	←	J	8
Coin lockout #2	←	K	9
Speaker (-)	←	L	10
NC		M	11
Video green	←	N	12
Video sync	←	P	13
Service button	➔	R	14
Tilt/Slam switch	➔	S	15
Coin switch #2 P2	➔	T	16
P2 Start	➔	U	17
Trackball 2 Y-Dir	➔	V	18
Trackball 2 Y-Clk	➔	W	19
Trackball 2 X-Dir	➔	X	20
Trackball 2 X-Clk	➔	Y	21
	➔	Z	22
	➔	a	23
	➔	b	24
	➔	c	25
	➔	d	26
GND		e	27
		f	28

## MVS

Solder side (Bottom)			Parts side (Top)		
GND		A	1		GND
		B	2		
+5V	➔	C	3	➔	+5V
		D	4		
NC		E	5		NC
+12V	➔	F	6	➔	+12V
Key		H	7		Key
Coin counter #2	➔	J	8	➔	Coin counter #1
Coin lockout #2	➔	K	9	➔	Coin lockout #1
Left Speaker (+)	➔	L	10	➔	Right Speaker (+)
Test button	➔	M	11	➔	Mono audio (+)
Video green	➔	N	12	➔	Video red
Video sync	➔	P	13	➔	Video blue
Service button	➔	R	14		Video GND
Coin switch #4 P4	➔	S	15	➔	Coin switch #3 P3
Coin switch #2 P2	➔	T	16	➔	Coin switch #1 P1
P2 Start	➔	U	17	➔	P1 Start
P2 Up	➔	V	18	➔	P1 Up
P2 Down	➔	W	19	➔	P1 Down
P2 Left	➔	X	20	➔	P1 Left
P2 Right	➔	Y	21	➔	P1 Right
P2 button A	➔	Z	22	➔	P1 button A
P2 button B	➔	a	23	➔	P1 button B
P2 button C	➔	b	24	➔	P1 button C
P2 button D	➔	c	25	➔	P1 button D
Select game down	➔	d	26	➔	Select game up
GND		e	27		GND
		f	28		

# JAMMAMIA

Solder side (Bottom)		Parts side (Top)	
GND		A	1
		B	2
+5V	→	C	3
		D	4
NC		E	5
+12V	→	F	6
Key		H	7
NC		J	8
NC		K	9
Spkr (-)	←	L	10
TEST2 BTN	→	M	11
Video green	←	N	12
Video sync	←	P	13
SERVICE BTN	→	R	14
TILT	→	S	15
P2 Coin switch #2	→	T	16
P2 Start	→	U	17
P2 Up	→	V	18
P2 Down	→	W	19
P2 Left	→	X	20
P2 Right	→	Y	21
P2 BTN1	→	Z	22
P2 BTN2	→	a	23
P2 BTN3	→	b	24
P2 BTN4	→	c	25
P2 BTN5	→	d	26
		e	27
GND		f	28

## KICK HARNESS CPS2

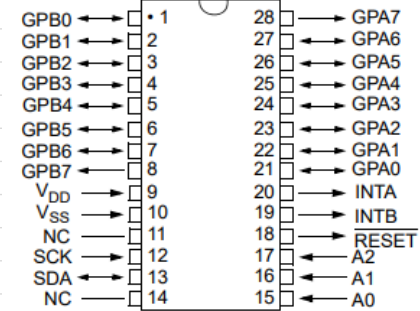
<b>GND</b>		1	2		<b>GND</b>
NC		3	4		NC
+12V	←	5	6	→	+12V
NC		7	8		NC
P2 BTN8	→	9	10		NC
NC		11	12		NC
NC		13	14		NC
P1 BTN8	→	15	16		NC
P1 BTN7	→	17	18		NC
P1 BTN6	→	19	20		NC
P2 BTN6	→	21	22		NC
P2 BTN7	→	23	24		NC
NC		25	26		NC
NC		27	28		NC
NC		29	30		NC
NC		31	32		NC
<b>GND</b>		33	34		<b>GND</b>



### Pins mapping MCP1

P1 BTN8	B0	1	28	A7	OUT5
P1 Up	B1	2	27	A6	P1 BTN7
P1 Down	B2	3	26	A5	P1 BTN6
P1 Left	B3	4	25	A4	P1 BTN5
P1 Right	B4	5	24	A3	P1 BTN4
P1 Coin switch #1	B5	6	23	A2	P1 BTN3
P1 Start	B6	7	22	A1	P1 BTN2
OUT6	B7	8	21	A0	P1 BTN1
+5V	+5v	9	20	INTA	
GND	GND	10	19	INTB	
NC		11	18	+5V	+5V
SCL MCP	SCK	12	17	GND	GND
SDA MCP	SDA	13	16	GND	GND
NC		14	15	GND	GND

### MCP23017



### Pins mapping MCP2

P2 BTN8	B0	1	28	A7	OUT7
P2 Up	B1	2	27	A6	P2 BTN7
P2 Down	B2	3	26	A5	P2 BTN6
P2 Left	B3	4	25	A4	P2 BTN5
P2 Right	B4	5	24	A3	P2 BTN4
P2 Coin switch #1	B5	6	23	A2	P2 BTN3
P2 Start	B6	7	22	A1	P2 BTN2
OUT8	B7	8	21	A0	P2 BTN1
+5V	+5v	9	20	INTA	
GND	GND	10	19	INTB	
NC		11	18	+5V	+5V
SCL MCP	SCK	12	17	GND	GND
SDA MCP	SDA	13	16	GND	GND
NC		14	15	+5V	+5V