

**External IO Board**

The IO board is connected to the motherboard using a standard USB connection. It can be placed outside the logic box in a location as to minimize the harnessing for the buttons on the door, etc.. The IO board needs +12V DC and GND in order to run.

J2 (USB B)		
Pin	Description	Port
1	+5V DC	N/A
2	Data -	N/A
3	Data +	N/A
4	GND	N/A

J3 (Standard PC Power)		
Pin	Description	Port
1	+12V DC	N/A
2	GND	N/A
3	GND	N/A
4	+5V DC	N/A

J4 and J5 (Power connectors)		
Pin	Description	Port
1	+12V DC	N/A
2	GND	N/A

J6		
Pin	Description	Port
1	SCK	N/A
2	MOSI	N/A
3	SS_EXT	N/A
4	MISO	N/A
5	ENABLE	N/A
6	IO6	N/A
7	IO5	N/A
8	IO3	N/A
9	VCC +5V DC	N/A
10	GND	N/A

J7 (Clamp)		
Pin	Description	Port
1	Clamp Voltage	N/A
2	GND	N/A

J8		
Pin	Description	Port
1	PC0(ADC0)	N/A
2	PC1(ADC1)	N/A
3	PC2(ADC2)	N/A
4	PC3(ADC3)	N/A
5	PC4(ADC4)	N/A
6	PC5(ADC5)	N/A
7	VCC +5V DC	N/A
8	GND	N/A
9	VCC +5V DC	N/A
10	GND	N/A

J9_Inputs (TE 1-102387-0)		
Pin	Description	Bit
1		IN-19
3		IN-18
5		IN-17
7		IN-16
9		IN-23
11		IN-22
13		IN-21
15		IN-20
17		IN-11
19		IN-10
21		IN-9
23		IN-8
25		IN-15
27		IN-14
29		IN-13
31		IN-12
33	Drop Door Switch	IN-3
35	Reset Switch	IN-2
37	W2G Reset	IN-1
39		IN-0
41	Cash Box Door Switch	IN-7
43	Logic Door Switch	IN-6
45	Belly Door Switch	IN-5
47	Slot Door Switch	IN-4
49	VCC +5 V DC	N/A

J9_Outputs (TE 1-102387-0)		
Pin	Description	Port
2	Hard Meter #5(Jackpot)	OUT-16
4	Hard Meter #4(Games)	OUT-17
6	Hard Meter #3 (Drop)	OUT-18
8	Hard Meter #2 (Out)	OUT-19
10	Hard Meter #1 (In)	OUT-20
12		OUT-21
14		OUT-22
16		OUT-23
18		OUT-8
20		OUT-9
22		OUT-10
24		OUT- 11
26		OUT-12
28		OUT-13
30		OUT-14
32		OUT-15
34		OUT-0
36		OUT-1
38		OUT-2
40		OUT-3
42		OUT-4
44		OUT-5
46	Tower 2 Lamp Bottom	OUT-6
48	Tower 1 Lamp (Top)	OUT-7
50	GND	N/A