## **GND** WINDOWS 5v **TABLET** EXTERNAL PULL-UP **RESISTORS** 4.7K R SDA 12C LCD 4.7K R LATCHING **POWER** SCREENS **SUPPLY** GND BUTTONS 5v GND 5v USB **GND** BUTTON 3 SCL SDA 12v GND GND 3.3v 12v POWER POTENTIOMETER BUTTON 2 SUPPLY GND GND 12v LED GND D13 **BUTTON 1 JOYSTICK** ARDUINO 12v LED GND D12 UNO JOYSTICKS D11 D5 NC 12v GND 12v GND **JOYSTICK** COM D4 D10 COM **INPUT 4** OUTPUT 4 D3 INPUT 3 OUTPUT 3 COM **INPUT 2** OUTPUT 2 D9 DATA 5v LED OUTPUT 1 **INPUT 1** COM **BULLET STRIP** GND GND **GND** (BUTTONS & POT) 12v RELAYS 12v ROCKER PANEL 4 - CHANNEL 4 - CHANNEL

## BAM KAZAM SPACE GAME

## PLAYER STATION CIRCUIT

PIN	CONNECTION
D2	Relay NC 1
D3	Relay NC 2
D4	Relay NC 3
D5	Relay NC 4
D6	Button 1 Out
D7	Button 2 Out
D8	Button 3 Out
D9	LED Strip Data
D10	Joystick 1 L-Out
D11	Joystick 1 R-Out
D12	Joystick 2 L-Out
D13	Joystick 2 R-Out
A0	Pot Signal
A4	LCD SDA
A5	LCD SCL

## SERVER CIRCUIT

Not in Picture

PIN	CONNECTION	
D2	RPi "Win Door" Pin	
D5	RPi "Lose Door" Pin	