RELAY

RESET
3.3V
AREF
GND
A
B
C
D
E
F
SCK
MOSI
MISO
RX
TX
G

VBAT
EN
USB
N
M
L
K
J
I
H
SCL
SDA

Adafruit
PowerRelay
Wing

Power Relay Featherwing
Adafruit #3191

NO   COM   NC

Huzzah ESP8266
Adafruit #2471

VIN   VBAT   3.3V

RESET
ADC
EN
GPIO16
GPIO14
GPIO12
GPIO13

TX
RX
GPIO5
GPIO4
GPIO0
GPIO2
GPIO15
LDO

Adafruit
HUZZAH
ESP8266

GND

LED1   LED2   LED3
Green (570nm) Red (633nm)   Yellow (595nm)

S1

J2

J1

HC-SR04 Sensor (Replace with JSN-SR04T)

VCC   ECHO
             HC - SR04
TRIG   GND

VCC of HC-SR04 intentionally wired to 5V instead of 3.3V because it is intended to be replaced by JSN-SR04T which is waterproof.

Note: HC-SR04 Schematic is incorrect. GND and ECHO pins are swapped.

open hardware

f

Automated IoT Sump Pump Controller		
Project	CySump Controller	
Filename	CySump.fzz	Rev 1.2
Date	24 Oct 2019 13:57:42	Sheet 1/1

fritzing