Particle PHOTONH
U?A

D1
GND : breadboard2
3V3 : Positive
D2

VIN   VBAT   3V3
RST   D0
A0   D1
A1   D2
A2   D3
A3   D4
A4   D5
A5   D6
DAC/A6 D7
WKP/A7 TX
GND GND RX

3V3 : breadboard2

GND:Negative

L1
RedLed
LED
BlueLED
LED

Solderless Breadboard

PIR

GND OUT VCC

PIR(GND) : Negative

SparkFun SEN-13285

PIR(VCC) : VIN

PIR(OUT) : D0

3V3 : shortlead

Q?
Optek OP550C

R?
Res1

Solderless Breadboard

pi1

5
Raspberry pi camera V2

pi to picamera

pi2
41
pi camera

3V3   5V_IN
GPIO02/SDA1   5V_IN
GPIO03/SCL1   GND
GPIO4/GCLK   GPIO14/TXD0
GND   GPIO15/RXD0
GPIO17/GEN0   GPIO18/GEN1
GPIO27/GEN2   GND
GPIO22/GEN3   GPIO23/GEN4
3V3   GPIO24/GEN5
GPIO10/SPI_MOSI   GND
GPIO09/SPI_MISO   GPIO25/GEN6
GPIO11/SPI_SCLK   GPIO08/SPI_CE0
GND   GPIO07/SPI_CE1
ID_SD   ID_SC
GPIO05   GND
GPIO06   GPIO12
GPIO13   GND
GPIO19/LRCK   GPIO16
GPIO26   GPIO20/DIN
GND   GPIO21/DOUT

U?
Raspberry pi zero w
Raspberry pi zero camera module

Title			
Size	Number		Revision
A4			
Date:	19/05/2019		Sheet of
File:	Sheet1.SchDoc		Drawn By:

U?

D1
+−   +−

D2
+−   +−

pi1

pi2

R?

Q?

PIR   L2 L1

https://github.com/shierly26/cat-detector