Infrared Presence Sensor - STHS34PF80

Input voltage range:
1.7V - 3.6V

3.3V

U1

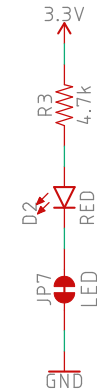| VDD | SDA/SDIO |
| $\overline{CS}$ | SCL/SPC |
| GND | INT |

STHS34PF80

SDA
SCL
INT
$\overline{CS}$

3.3V   3.3V

C1   C2
1.0uF 0.1uF

GND   GND   GND

I2C Address = 0x5A
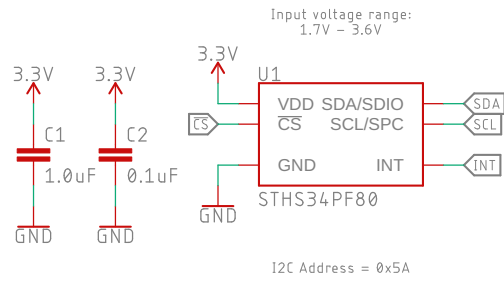
I²C Pullup

Cut traces to disable I²C pullups

3.3V

I2C

JP8

R1
2.2k

R2
2.2k

SDA   SCL
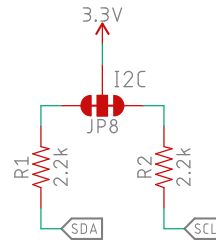
Power LED

Cut trace to disable LED

3.3V

R3
4.7k

D2
RED

JP7
LED

GND

INT Pullup

Cut trace to remove pullup

3.3V

JP9   INT

R4
10k

INT

0.1" Header

3.3V

J3

6	INT
5	$\overline{CS}$
4	SCL
3	SDA
2	
1	

GND

Qwiic Connectors

3.3V

J1

SCL	4	SCL
SDA	3	SDA
VCC	2	
GND	1	

Vertical Qwiic Connector

GND

3.3V

J2

SCL	4	SCL
SDA	3	SDA
VCC	2	
GND	1	

Vertical Qwiic Connector

GND
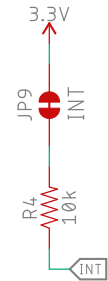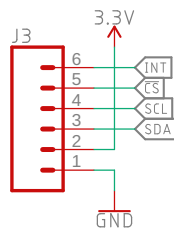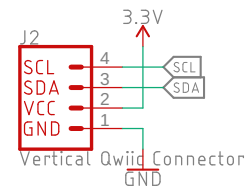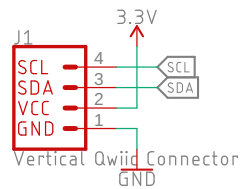
$\overline{CS}$ Pullup

Cut trace to remove pullup

3.3V

JP10 $\overline{CS}$

R5
10k

$\overline{CS}$
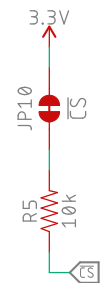
qwiic

open hardware

sparkfun

8

TITLE: SparkFun Qwiic Mini Human Presence Sensor - STHS34PF80

Design by: N. Seidle

REV:
v10

Date: 9/19/2023 12:03 PM

Sheet: 1/1

Special Instructions