FS3000 Air Velocity Sensor Module
VCC RANGE: 3.3V (QWIIC)

Cut ADC-REF jumper to apply your
own custom ADC reference input
voltage on ADC-REF Header pin.

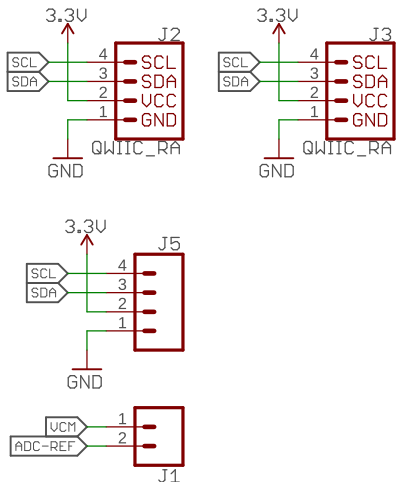ADC-REF

3.3V

ADC-REF

C1
0.1uF
GND

C2
0.1uF
GND

GND

U1
1 VREG   VCM 10
2 VDD   TP2 9
3 VSS   TP1 8
4 NC   SCL 7
5 NC   SDA 6

FS3000
VDD range: 3.3-5.5V

SCL
SDA

C3
0.1uF

VCM

C4
1.0uF
GND
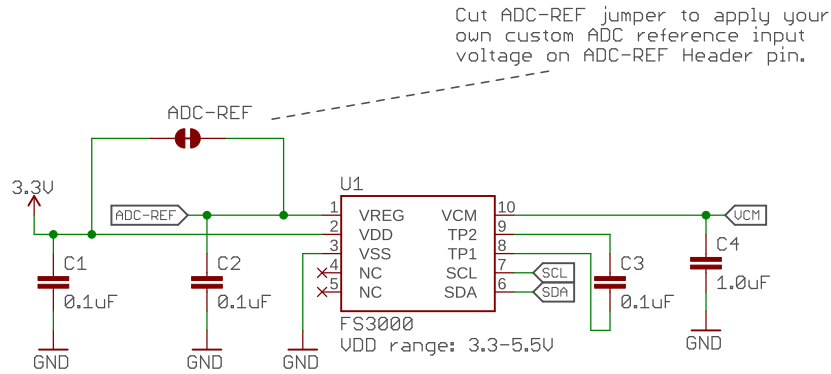
7-Bit I2C Address: 0x28

I2C Pullups
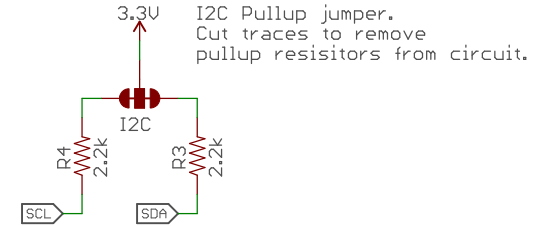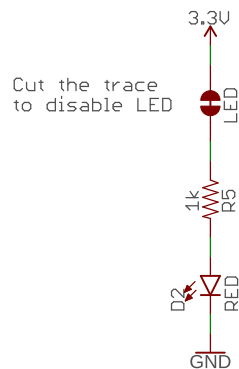
3.3V   I2C Pullup jumper.
           Cut traces to remove
           pullup resistors from circuit.

I2C

R4
2.2k

R3
2.2k

SCL   SDA

Qwiic/I2C Connectors

3.3V   J2
4 SCL
3 SDA
2 VCC
1 GND
QWIIC_RA
GND

3.3V   J3
4 SCL
3 SDA
2 VCC
1 GND
QWIIC_RA
GND

3.3V   J5
4
3
2
1
GND

VCM   1
ADC-REF   2
J1

Power LED

3.3V

Cut the trace
to disable LED

LED

1k
R5

D2   RED

GND

TITLE: SparkFun_Qwiic_FS3000_1X1

Design by: Pete Lewis

REV:
v01

Date: 8/6/2021 1:03 PM   Sheet: 1/1