I2C PULL UP

3.3V

R_SDA 4.7K
R_SCL 4.7K

SDA
SCL

BMX055 DECOUPLING

3.3V

XC1   XC2
0.1uF 0.1uF

GND

BME280 DECOUPLING

3.3V

EC3   EC4
0.1uF 0.1uF

GND

FLASH DECOUPLING

3.3V

FC5
0.1uF

GND

SWITCH

S1   SW1
SWITCH-MOMENTARY-2SMD

GND

R_SW 10K

3.3V

RESET
3V
AREF
GND
GPIOA0
GPIOA1
GPIOA2
GPIOA3
GPIOA4
GPIOA5
GPIOSCK
GPIOMOSI
GPIOMISO
GPIORX
GPIOTX
NC

SW1 1
3.3V 2
     3
     4
     5
     6
     7
     8
     9
     10
     11
     12
     13
     14
     15
     16

GND

SCK 11
MOSI 12
MISO 13
RX   14
TX   15

VBAT
EN
USB
GPIO13
GPIO12
GPIO11
GPIO10
GPIO9
GPIO6
GPIO5
GPIOSCL
GPIOSDA

28
27
26
25
24
23
22
21
20
19
18
17

VBAT

#15_PD_BL
#0_RED_BL
#16_WDS
#2_BLUE_PU_BL
SCL
SDA

BMX055 I2C MODE ADDR BIT LOW

BMX055
X-IO_BMX055

AI1
GND

3.3V   3.3V

SDO1   17   N/C INT1 CSB3   1   INT2   AI2
CSB1   16   2   DRDYM MDR
INT4   15   3   VDD
INT3   14   4   GNDA
VDDIO   13   5   CSB2
SDO2   12   6   GNDIO
SDX   11   INT5 SCX N/C   7   PS

GI2
GI1
SDA

GND   10 9 8   GND

MI SCL

BME280 I2C MODE ADDR BIT LOW

3.3V   3.3V

BME280

VDD   GND1
GND2   CS
VDDIO   SDI/SDA   SDA
SDO/ADR   SCK/SCL   SCL

GND   GND

BME280

FLASH

FLASH

#15_PD_BL 1 CS   VCC   8 3.3V
MISO   2 SO/IO1   IO3/RST 7
           3 WP/IO2   SCK   6 SCK
           4 VSS   IO0/SI   5 MOSI

GND S25FL127SABMFI101

GND PWR SRV

SRV_H1
        3 #16_WDS
        2 VBAT
        1

GND

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>CNAME
10DOF_FeatherWing
15.05.16 16:14   >DESIGNER   Sebastian Plamauer
Sheet: 1/1   Rev:>CREVISION

open hardware

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