REV	Descripton	DATE	designer
V1.01	1 INITIAL RELEASE	2015/04/21	Vincent
V1.02	1 Change 11 PIN connector to FH35C-11S-0.3SHW(50)	2015/05/08	Vincent
V1.03	1 Change MSP430 connector to STM32F030F4P6	2015/07/03	Vincent
V1.0	1 Change SWD interface to standar Xadow SWD	2015/09/11	Vincent

Seeed Studio

TITLE: Xadow Basic Sensors v1.0

CC-BY-SA

Design: Check:

Date: 2015/10/14 16:24:46 Vision: Sheet: 1/1

U3 DIODES;AP7333-33SRG
VIN VIN VSS VOUT 3V3
C21 100nF C3 10uF C4 100nF 10uF TP2

U1 ADXL345
VDDI/O SCL/SCLK
GND SDA/SDI/SDIO
RESERVED SDO/ALTADDRESS
GND RESERVED
GND NC
VS INT2
CS INT1
3V3 SSCL SSDA PA2 PA3

U4 TSL2561
VDD SDA SSDA
ADDR INT PA5
GND SCL SSCL
C8 100nF

J5 LM75A
SDA VCC 3V3
SCL A0
OS A1
GND A2
SSDA SSCL PA6

U6 STM32F030F4P6
BOOT0 PA14/SWCLK
PF0-OSC_IN PA13/SWIO
PF1-OSC_OUT PA10/I2C_SDA
NRST PA9/I2C_SCL
VDDA VDD
PA0 VSS
PA1 PB1/TIM3_CH4
PA2/USART_TX PA7/SPI_MOSI
PA3/USART_RX PA6/SPI_MISO
PA4/SPI_CS PA5/SPI_SCK
X1 DNP RST 3V3 10K 100nF C12
INT1 INT2 PA2 PA3
SWCLK SWIO
I2C_SDA I2C_SCL
SSDA TP SSCL TP
SSDA SSCL
PA6 PA5

J6
INT1 1 6 INT1
INT2 2 5 INT2
GND 3 4 GND

J5
I2C_SDA 1 6 I2C_SDA
I2C_SCL 2 5 I2C_SCL
VIN 3 4 VIN

J4
GND 1 6 GND
INT2 2 5 INT2
INT1 3 4 INT1

VCC: 3.3-4.2V or USB 5V
INT2: Master -> Slave
INT1: Slave -> Master

J3
VIN 1 6 VIN
I2C_SCL 2 5 I2C_SCL
I2C_SDA 3 4 I2C_SDA

J1 FH35C-11S-0.3SHW(50)
P$1 P$2 PAD
VIN I2C_SDA INT2 I2C_SDA VIN
GND I2C_SCL INT1 I2C_SCL GND

J2 FH35C-11S-0.3SHW(50)
P$2 P$1 PAD
GND I2C_SCL INT1 I2C_SCL GND
VIN I2C_SDA INT2 I2C_SDA VIN

P1 P2 P3 P4
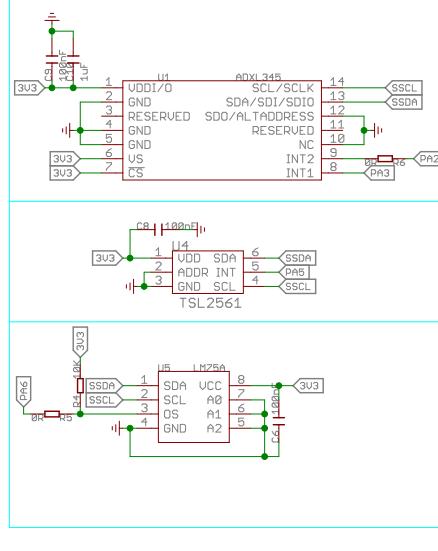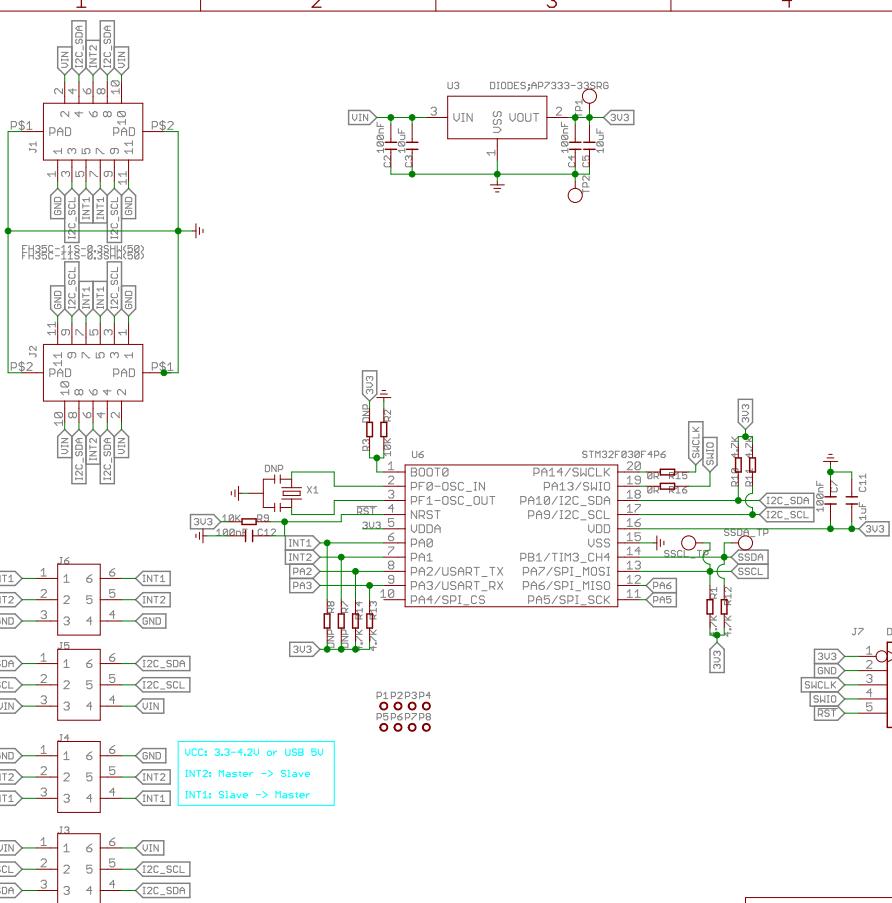P5 P6 P7 P8

J7 DNP
3V3 1
GND 2
SWCLK 3
SWIO 4
RST 5

Seeed Studio

TITLE: Xadow Basic Sensors v1.0

CC-BY-SA

Design: Vincent Check: Zelin Cai

Date: 2015/10/14 16:24:46 Vision: V1.0 Sheet: 1/1