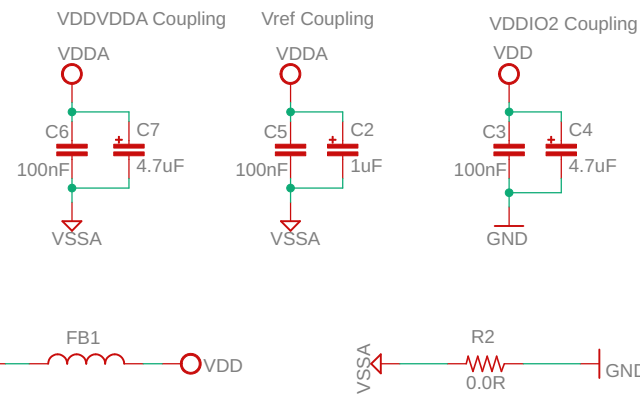
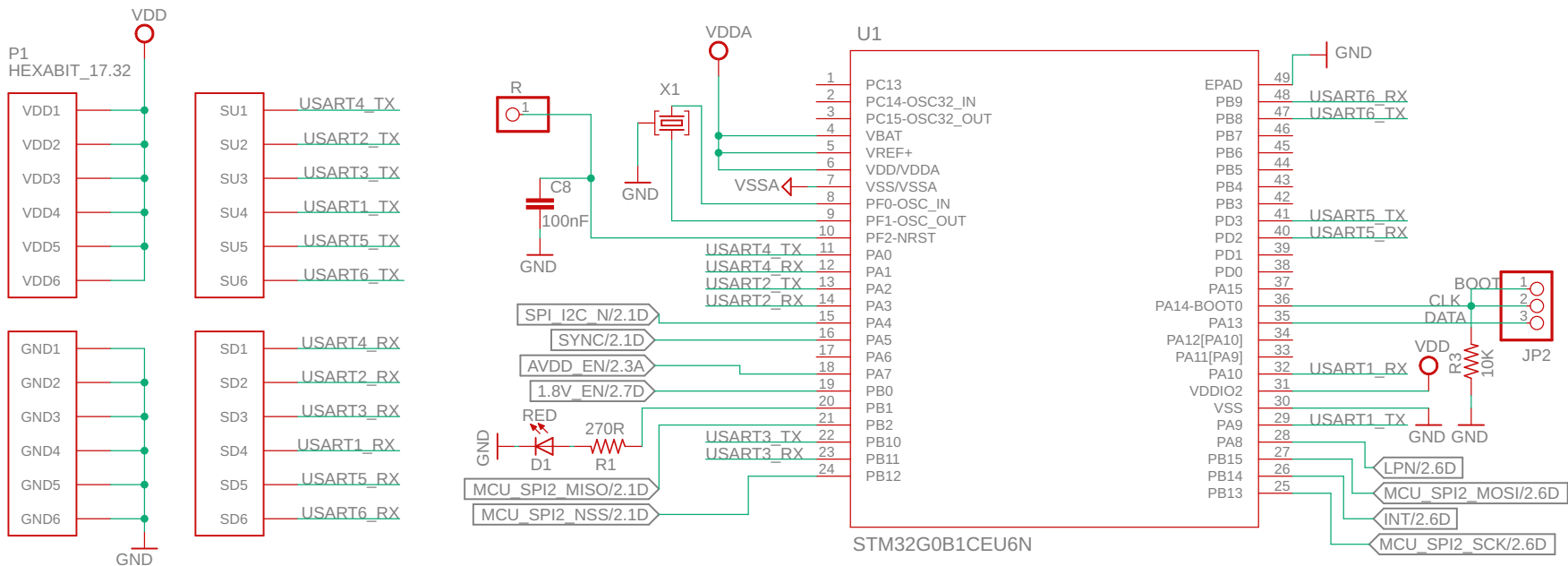


VDD=3.3 Volts



VDD=3.3 Volts

VDD

Active High

C11
4.7uF

GND

AVDD Controller

U4
TCK107AG,LF

CONTROL VOUT
VIN GND

C10
100nF

GND

U2
VL53L8CXV0GC_1

AVDD
CORE_1V8
IOVDD
INT
SYNC
LPN
SPI_I2C_N
SCL/MCLK
SDA/MOSI
MISO
NCS
RSDV1
RSDV2
RSDV3
GND_3
THERMALPAD
GND_1

+1.8V

R9
47k

R8
47k

R7
47k

R6
47k

R5
47k

R10
47k

GND

C17
100nF

GND

C16
100nF

GND

SENSOR_INT

SENSOR_SYNC

SENSOR_LPN

SENSOR_SPI_I2C_N

SENSOR_SCL/MCLK

SENSOR_SDA/MOSI

SENSOR_MISO

SENSOR_NSS

Time-of-Flite sensor

VDD +1.8V

C9
100nF

GND

U5
PI4ULS3V204ZBEX

VCCA
EN
VCCB
NC_1
EP
GND
NC_2

PI4ULS3V204ZBEX

GND

C1
100nF

GND

SENSOR_MISO
SENSOR_SYNC
SENSOR_NSS
SENSOR_SPI_I2C_N

+1.8V VDD

C14
100nF

GND

U6
PI4ULS3V204ZBEX

VCCA
EN
VCCB
NC_1
EP
GND
NC_2

PI4ULS3V204ZBEX

GND

SENSOR_SCL/MCLK
SENSOR_SDA/MOSI
SENSOR_LPN
SENSOR_INT

C15
100nF

GND

MCU_SPI2_SCK/1.7C
MCU_SPI2_MOSI/1.7C
LPN/1.7C
INT/1.7C

C13
1uF

GND

C12
10uF

GND

1.8V_EN/1.4B

Active High

R12
100k

GND

VDD +1.8V

GND

C13
1uF

GND

C12
10uF

GND

U3
LDK130PU18R

EN
BYP
OUT
N/C
GND

1.8V LDO Regulator

Level Shifters

Module H08R6	Title H08R6_Frontend
Description IR ToF LiDar Sensor	Revision 2 Size Letter
Author	Sheet 2 of 2

