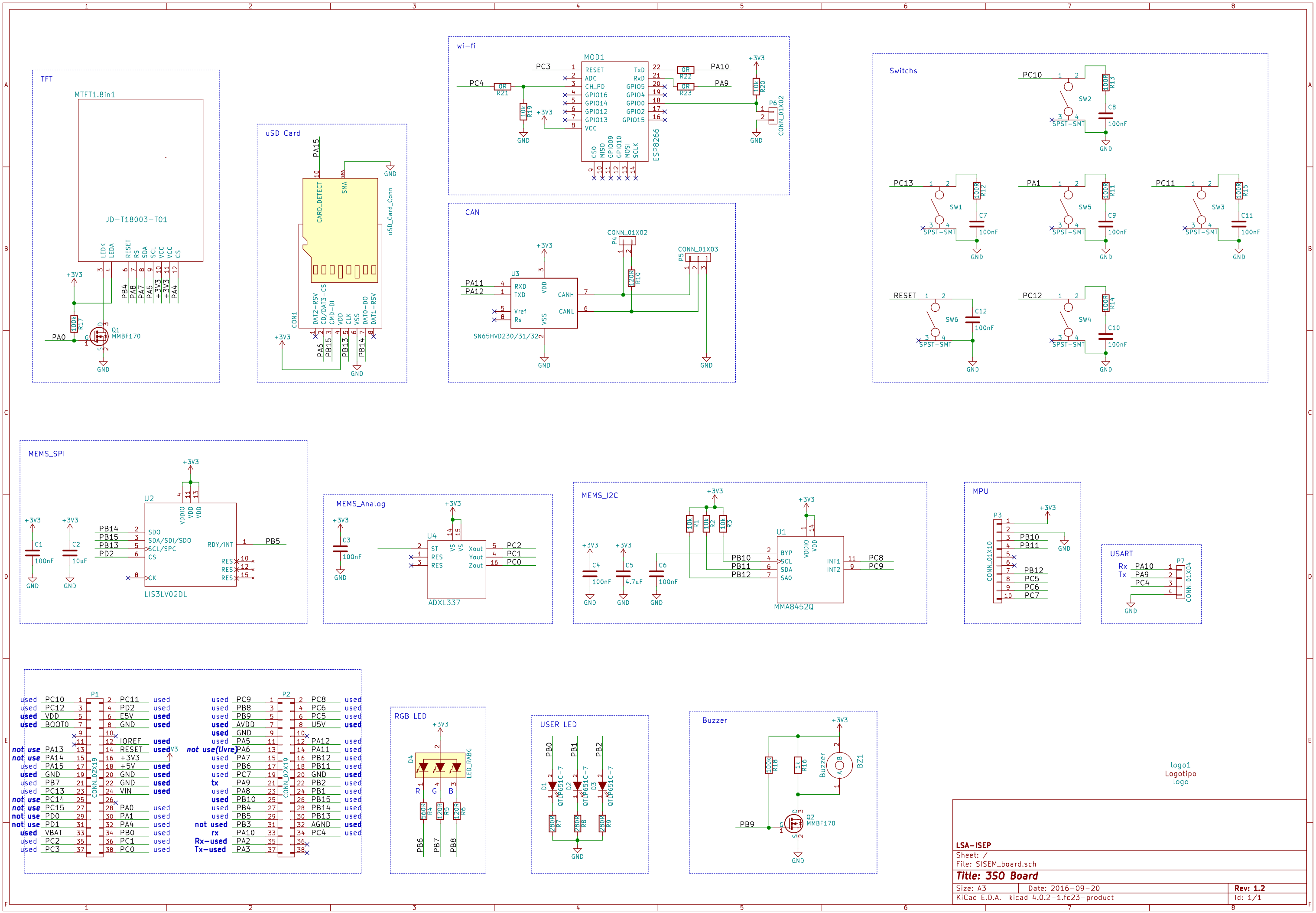
TFT
MTFT1.8in1
JD-T18003-T01
LEDK
LEDA
RESET
RS
SDA
SCL
VCC
VCC
CS
PB4
PA8
PA7
PA5
+3V3
+3V3
PA4
+3V3
R17
100k
PA0
Q1
MMBF170
GND
uSD Card
PA15
GND
CARD_DETECT
SMA
uSD_Card_Conn
CON1
DAT2-RSV
CD/DAT3-CS
CMD-DI
VDD
CLK
VSS
DAT0-DO
DAT1-RSV
+3V3
PA6
PB15
PB13
PB14
GND
wi-fi
MOD1
PC3
PC4
0R
R21
10k
R19
+3V3
GND
RESET
ADC
CH_PD
GPIO16
GPIO14
GPIO12
GPIO13
VCC
TxD
RxD
GPIO5
GPIO4
GPIO0
GPIO2
GPIO15
CS0
MISO
GPIO9
GPIO10
MOSI
SCLK
ESP8266
0R
R22
0R
R23
PA10
PA9
+3V3
10k
R20
P6
CONN_01X02
GND
CAN
CONN_01X02
P4
+3V3
U3
PA11
PA12
RXD
TXD
Vref
Rs
VDD
VSS
CANH
CANL
120R
R10
CONN_01X03
P5
SN65HVD230/31/32
GND
GND
Switchs
PC10
SW2
SPST-SMT
100R
R13
C8
100nF
GND
PC13
SW1
SPST-SMT
100R
R12
C7
100nF
GND
PA1
SW5
SPST-SMT
100R
R11
C9
100nF
GND
PC11
SW3
SPST-SMT
100R
R15
C11
100nF
GND
RESET
SW6
SPST-SMT
C12
100nF
GND
PC12
SW4
SPST-SMT
100R
R14
C10
100nF
GND
MEMS_SPI
+3V3
U2
VDDIO
VDD
VDD
+3V3
+3V3
C1
100nF
C2
10uF
GND
GND
PB14
PB15
PB13
PD2
SDO
SDA/SDI/SDO
SCL/SPC
CS
CK
RDY/INT
PB5
RES
RES
RES
LIS3LV02DL
MEMS_Analog
+3V3
C3
100nF
GND
+3V3
U4
ST
RES
RES
VS
VS
Xout
Yout
Zout
PC2
PC1
PC0
ADXL337
MEMS_I2C
+3V3
10k
R1
10k
R2
10k
R3
+3V3
+3V3
C4
100nF
C5
4.7uF
C6
100nF
GND
GND
GND
+3V3
U1
VDDIO
VDD
BYP
SCL
SDA
SAO
INT1
INT2
PB10
PB11
PB12
PC8
PC9
MMA8452Q
MPU
P3
+3V3
CONN_01X10
PB10
PB11
PB12
PC5
PC6
PC7
GND
USART
P7
Rx
Tx
PA10
PA9
PC4
CONN_01X04
GND
P1
CONN_02X19
used PC10 1
used PC12 3
used VDD 5
used BOOT0 7
not use PA13 13
not use PA14 15
used PA15 17
used GND 19
used PB7 21
used PC13 23
not use PC14 25
not use PC15 27
not use PD0 29
not use PD1 31
used VBAT 33
used PC2 35
used PC3 37
2 PC11 used
4 PD2 used
6 E5V used
8 GND used
12 IOREF used
14 RESET used
16 +3V3 used
18 +5V used
20 GND used
22 GND used
24 VIN used
28 PA0 used
30 PA1 used
32 PA4 used
34 PB0 used
36 PC1 used
38 PC0 used
P2
CONN_02X19
used PC9 1
used PB8 3
used PB9 5
used AVDD 7
used GND 9
used PA5 11
not use(livre) PA6 13
used PA7 15
used PB6 17
used PC7 19
tx PA9 21
used PA8 23
used PB10 25
used PB4 27
used PB5 29
not used PB3 31
rx PA10 33
Rx-used PA2 35
Tx-used PA3 37
2 PC8 used
4 PC6 used
6 PC5 used
8 U5V used
12 PA12 used
14 PA11 used
16 PB12 used
18 PB11 used
20 GND used
22 PB2 used
24 PB1 used
26 PB15 used
28 PB14 used
30 PB13 used
32 AGND used
34 PC4 used
RGB LED
+3V3
D4
LED_RABG
R
G
B
560R
R4
120R
R5
120R
R6
PB6
PB7
PB8
USER LED
PB0
PB1
PB2
D1
QTLP651C-7
D2
QTLP651C-7
D3
QTLP651C-7
280R
R7
280R
R8
280R
R9
GND
Buzzer
+3V3
100R
R18
1k
R16
Buzzer
BZ1
PB9
Q2
MMBF170
GND
logo1
Logotipo
logo
LSA-ISEP
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Title: 3SO Board
Size: A3
Date: 2016-09-20
Rev: 1.2
KiCad E.D.A. kicad 4.0.2-1.fc23-product
Id: 1/1