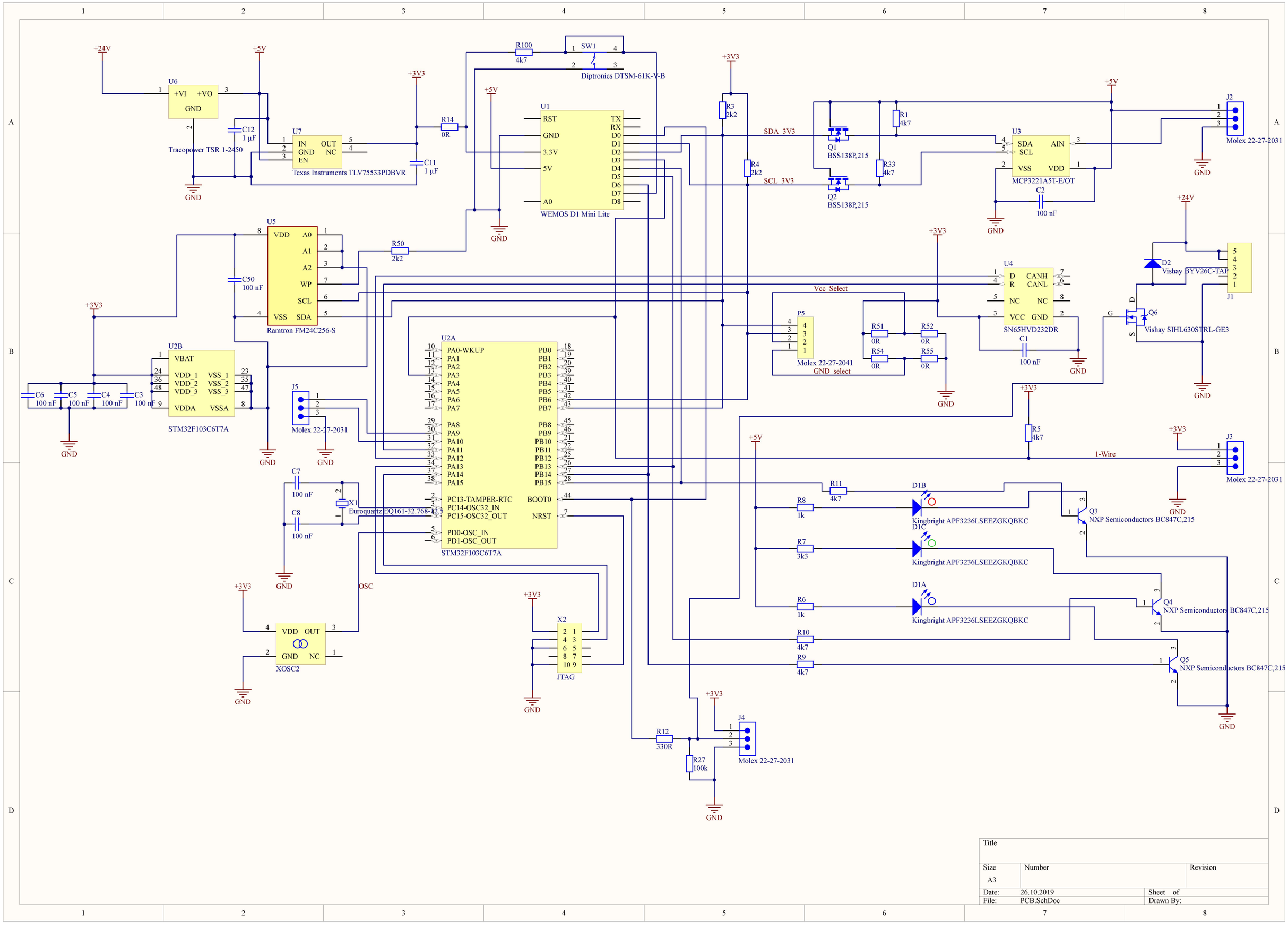
+24V
+5V
+3V3
GND
U6
+VI
+VO
GND
Tracopower TSR 1-2450
C12
1 µF
U7
IN
OUT
GND
NC
EN
Texas Instruments TLV75533PDBVR
C11
1 µF
R14
0R
R100
4k7
SW1
Diptronics DTSM-61K-V-B
U1
RST
GND
3.3V
5V
A0
TX
RX
D0
D1
D2
D3
D4
D5
D6
D7
D8
WEMOS D1 Mini Lite
R3
2k2
R4
2k2
SDA_3V3
SCL_3V3
Q1
BSS138P,215
Q2
BSS138P,215
R1
4k7
R33
4k7
U3
SDA
SCL
AIN
VSS
VDD
MCP3221A5T-E/OT
C2
100 nF
J2
Molex 22-27-2031
U5
VDD
A0
A1
A2
WP
SCL
VSS
SDA
Ramtron FM24C256-S
C50
100 nF
R50
2k2
U4
D
R
CANH
CANL
NC
NC
VCC
GND
SN65HVD232DR
C1
100 nF
Vcc_Select
P5
Molex 22-27-2041
GND_select
R51
0R
R52
0R
R54
0R
R55
0R
D2
Vishay BYV26C-TAP
J1
Q6
Vishay SIHL630STRL-GE3
U2B
VBAT
VDD_1
VDD_2
VDD_3
VSS_1
VSS_2
VSS_3
VDDA
VSSA
STM32F103C6T7A
C6
100 nF
C5
100 nF
C4
100 nF
C3
100 nF
J5
Molex 22-27-2031
U2A
PA0-WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD0-OSC_IN
PD1-OSC_OUT
BOOT0
NRST
STM32F103C6T7A
C7
100 nF
C8
100 nF
X1
Euroquartz EQ161-32.768-12.5
OSC
XOSC2
X2
JTAG
R5
4k7
1-Wire
J3
Molex 22-27-2031
R11
4k7
R8
1k
R7
3k3
R6
1k
R10
4k7
R9
4k7
D1B
Kingbright APF3236LSEEZGKQBKC
D1C
Kingbright APF3236LSEEZGKQBKC
D1A
Kingbright APF3236LSEEZGKQBKC
Q3
NXP Semiconductors BC847C,215
Q4
NXP Semiconductors BC847C,215
Q5
NXP Semiconductors BC847C,215
R12
330R
R27
100k
J4
Molex 22-27-2031
Title
Size
A3
Number
Revision
Date:
26.10.2019
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File:
PCB.SchDoc
Drawn By: