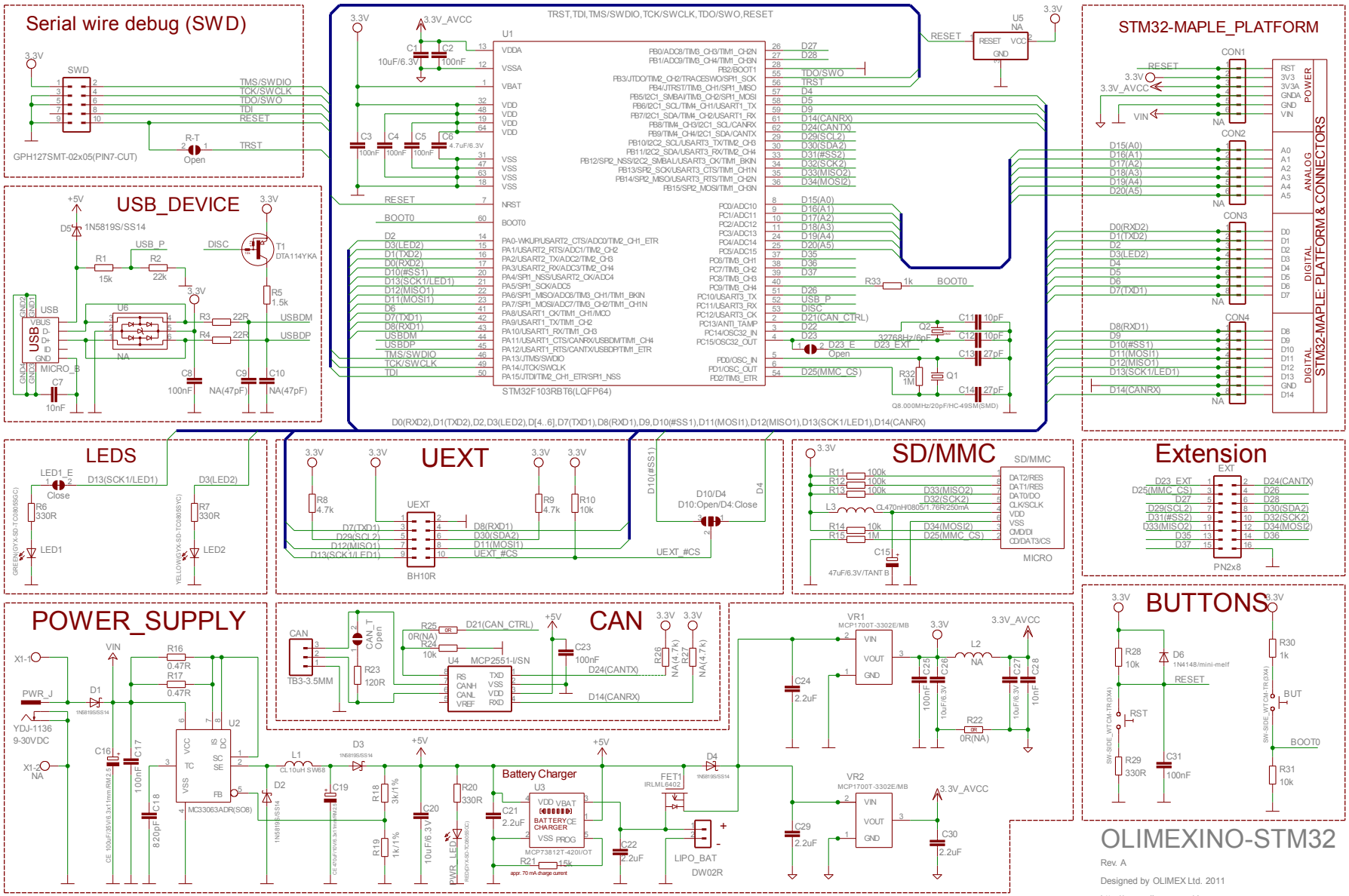
Serial wire debug (SWD)
SWD
GPH127SMT-02x05(PIN7-CUT)
TMS/SWDIO
TCK/SWCLK
TDO/SWO
TDI
RESET
TRST
R-T
Open
USB_DEVICE
1N5819S/SS14
USB_P
DISC
T1
DTA114YKA
R1
15k
R2
22k
R5
1.5k
U6
USB
MICRO_B
C7
10nF
C8
100nF
C9
NA(47pF)
C10
NA(47pF)
TRST,TDI,TMS/SWDIO,TCK/SWCLK,TDO/SWO,RESET
U1
STM32F103RBT6(LQFP64)
U5
NA
RESET
VCC
GND
3.3V
3.3V_AVCC
C1
10uF/6.3V
C2
100nF
C3
100nF
C4
100nF
C5
100nF
C6
4.7uF/6.3V
BOOT0
D0(RXD2),D1(TXD2),D2,D3(LED2),D[4..6],D7(TXD1),D8(RXD1),D9,D10(#SS1),D11(MOSI1),D12(MISO1),D13(SCK1/LED1),D14(CANRX)
R33
1k
Q2
3276BHz/6pF
D23_E
Open
D23_EXT
C11
10pF
C12
10pF
C13
27pF
C14
27pF
R32
1M
Q1
Q8.000MHz/20pF/HC-49SM(SMD)
STM32-MAPLE_PLATFORM
CON1
CON2
CON3
CON4
POWER
ANALOG
DIGITAL
STM32-MAPLE: PLATFORM & CONNECTORS
LEDS
LED1_E
Close
D13(SCK1/LED1)
D3(LED2)
R6
330R
R7
330R
LED1
LED2
UEXT
BH10R
R8
4.7k
R9
4.7k
R10
10k
D10/D4
D10:Open/D4:Close
UEXT_#CS
SD/MMC
MICRO
R11
100k
R12
100k
R13
100k
R14
10k
R15
1M
L3
CL470nH/0805/1.76R/250mA
C15
47uF/6.3V/TANT B
Extension
EXT
PN2x8
POWER_SUPPLY
X1-1
X1-2
PWR_J
YDJ-1136
9-30VDC
VIN
R16
0.47R
R17
0.47R
D1
1N5819S/SS14
U2
MC33063ADR(SO8)
C16
C17
100nF
C18
820pF
L1
CL10uH SW68
D3
1N5819S/SS14
D2
1N5819S/SS14
C19
R18
3k/1%
R19
1k/1%
C20
10uF/6.3V
R20
330R
PWR_LED
Battery Charger
U3
MCP73812T-420I/OT
appr. 70 mA charge current
C21
2.2uF
R21
15k
C22
2.2uF
FET1
IRLML6402
D4
1N5819S/SS14
LIPO_BAT
DW02R
CAN
TB3-3.5MM
CAN_T
Open
R23
120R
R25
0R(NA)
R24
10k
D21(CAN_CTRL)
U4
MCP2551-I/SN
C23
100nF
D24(CANTX)
D14(CANRX)
R26
NA(4.7k)
R27
NA(4.7k)
VR1
MCP1700T-3302E/MB
VR2
MCP1700T-3302E/MB
C24
2.2uF
C25
100nF
C26
10uF/6.3V
L2
NA
C27
10uF/6.3V
C28
10nF
R22
0R(NA)
C29
2.2uF
C30
2.2uF
BUTTONS
R28
10k
D6
1N4148/mini-melf
R29
330R
C31
100nF
R30
1k
R31
10k
BUT
BOOT0
OLIMEXINO-STM32
Rev. A
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