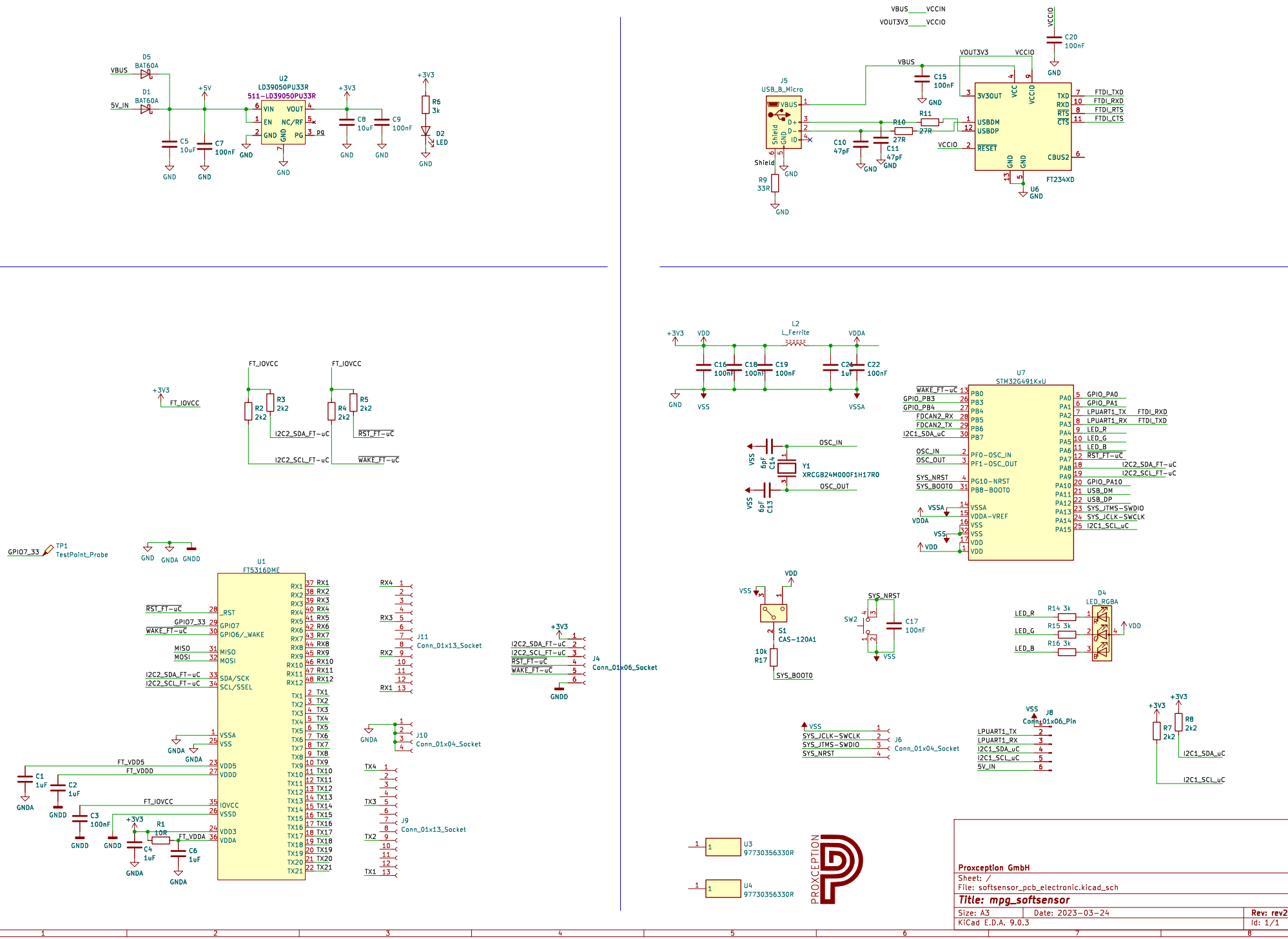
D5
BAT60A
VBUS
D1
BAT60A
5V_IN
+5V
U2
LD39050PU33R
511-LD39050PU33R
VIN
VOUT
EN
NC/RF
GND
PG
C5
10uF
C7
100nF
C8
10uF
C9
100nF
+3V3
R6
3k
D2
LED
GND
VBUS
VCCIN
VOUT3V3
VCCIO
C20
100nF
J5
USB_B_Micro
Shield
C15
100nF
R10
27R
R11
27R
C10
47pF
C11
47pF
R9
33R
3V3OUT
USBDM
USBDP
RESET
CBUS2
FT234XD
U6
TXD
RXD
RTS
CTS
FTDI_TXD
FTDI_RXD
FTDI_RTS
FTDI_CTS
FT_IOVCC
R2
2k2
R3
2k2
R4
2k2
R5
2k2
I2C2_SDA_FT-uC
I2C2_SCL_FT-uC
RST_FT-uC
WAKE_FT-uC
L2
L_Ferrite
VDD
VDDA
VSS
VSSA
C16
100nF
C18
100nF
C19
100nF
C24
1uF
C22
100nF
OSC_IN
OSC_OUT
Y1
XRCGB24M000F1H17R0
6pF
C14
C13
U7
STM32G491KxU
PB0
PB3
PB4
PB5
PB6
PB7
PF0-OSC_IN
PF1-OSC_OUT
PG10-NRST
PB8-BOOT0
VSSA
VDDA-VREF
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
GPIO_PA0
GPIO_PA1
LPUART1_TX
LPUART1_RX
LED_R
LED_G
LED_B
RST_FT-uC
GPIO_PA10
USB_DM
USB_DP
SYS_JTMS-SWDIO
SYS_JCLK-SWCLK
I2C1_SCL_uC
SYS_NRST
SYS_BOOT0
GPIO7_33
TP1
TestPoint_Probe
GNDA
GNDD
U1
FT5316DME
RST
GPIO7
GPIO6/_WAKE
MISO
MOSI
SDA/SCK
SCL/SSEL
VSSA
VSS
VDD5
VDDD
IOVCC
VSSD
VDD3
VDDA
RX1
RX2
RX3
RX4
RX5
RX6
RX7
RX8
RX9
RX10
RX11
RX12
TX1
TX2
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TX4
TX5
TX6
TX7
TX8
TX9
TX10
TX11
TX12
TX13
TX14
TX15
TX16
TX17
TX18
TX19
TX20
TX21
C1
1uF
C2
1uF
C3
100nF
C4
1uF
C6
1uF
R1
10R
FT_VDD5
FT_VDDD
FT_IOVCC
FT_VDDA
J11
Conn_01x13_Socket
J10
Conn_01x04_Socket
J9
Conn_01x13_Socket
J4
Conn_01x06_Socket
S1
CAS-120A1
10k
R17
SW2
C17
100nF
SYS_NRST
SYS_BOOT0
D4
LED_RGBA
R14 3k
R15 3k
R16 3k
J8
Conn_01x06_Pin
J6
Conn_01x04_Socket
R7
2k2
R8
2k2
U3
97730356330R
U4
97730356330R
PROXCEPTION
Proxception GmbH
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Size: A3
Date: 2023-03-24
Rev: rev2
KiCad E.D.A. 9.0.3
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