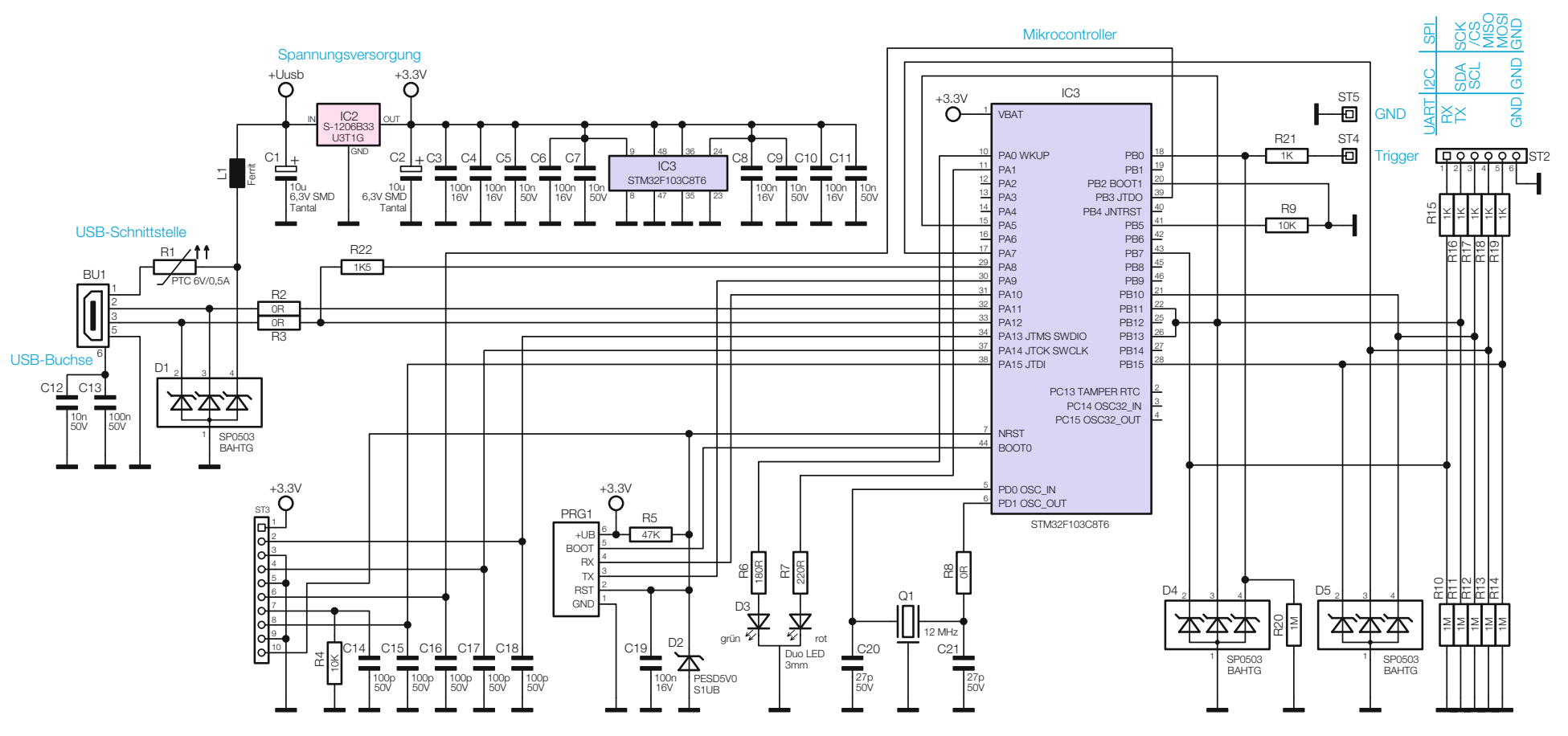
Spannungsversorgung
+Uusb
+3.3V
IC2
S-1206B33
U3T1G
IN
OUT
GND
C1
10u
6,3V SMD
Tantal
C2
10u
6,3V SMD
Tantal
C3
100n
16V
C4
100n
16V
C5
10n
50V
C6
100n
16V
C7
10n
50V
IC3
STM32F103C8T6
C8
100n
16V
C9
10n
50V
C10
100n
16V
C11
10n
50V
L1
Ferrit
USB-Schnittstelle
BU1
R1
PTC 6V/0,5A
R22
1K5
R2
0R
R3
0R
USB-Buchse
C12
10n
50V
C13
100n
50V
D1
SP0503
BAHTG
Mikrocontroller
IC3
+3.3V
VBAT
PA0 WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13 JTMS SWDIO
PA14 JTCK SWCLK
PA15 JTDI
PB0
PB1
PB2 BOOT1
PB3 JTDO
PB4 JNTRST
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13 TAMPER RTC
PC14 OSC32_IN
PC15 OSC32_OUT
NRST
BOOT0
PD0 OSC_IN
PD1 OSC_OUT
STM32F103C8T6
ST5
GND
R21
1K
ST4
Trigger
R9
10K
ST2
SPI
SCK
/CS
MISO
MOSI
GND
I2C
SDA
SCL
GND
UART
RX
TX
GND
R15
R16
R17
R18
R19
ST3
PRG1
+UB
BOOT
RX
TX
RST
GND
R5
47K
R6
180R
R7
220R
R8
0R
D3
grün
rot
Duo LED
3mm
Q1
12 MHz
C20
27p
50V
C21
27p
50V
R4
10K
C14
100p
50V
C15
100p
50V
C16
100p
50V
C17
100p
50V
C18
100p
50V
C19
100n
16V
D2
PESD5V0
S1UB
D4
SP0503
BAHTG
R20
1M
D5
SP0503
BAHTG
R10
R11
R12
R13
R14
1M