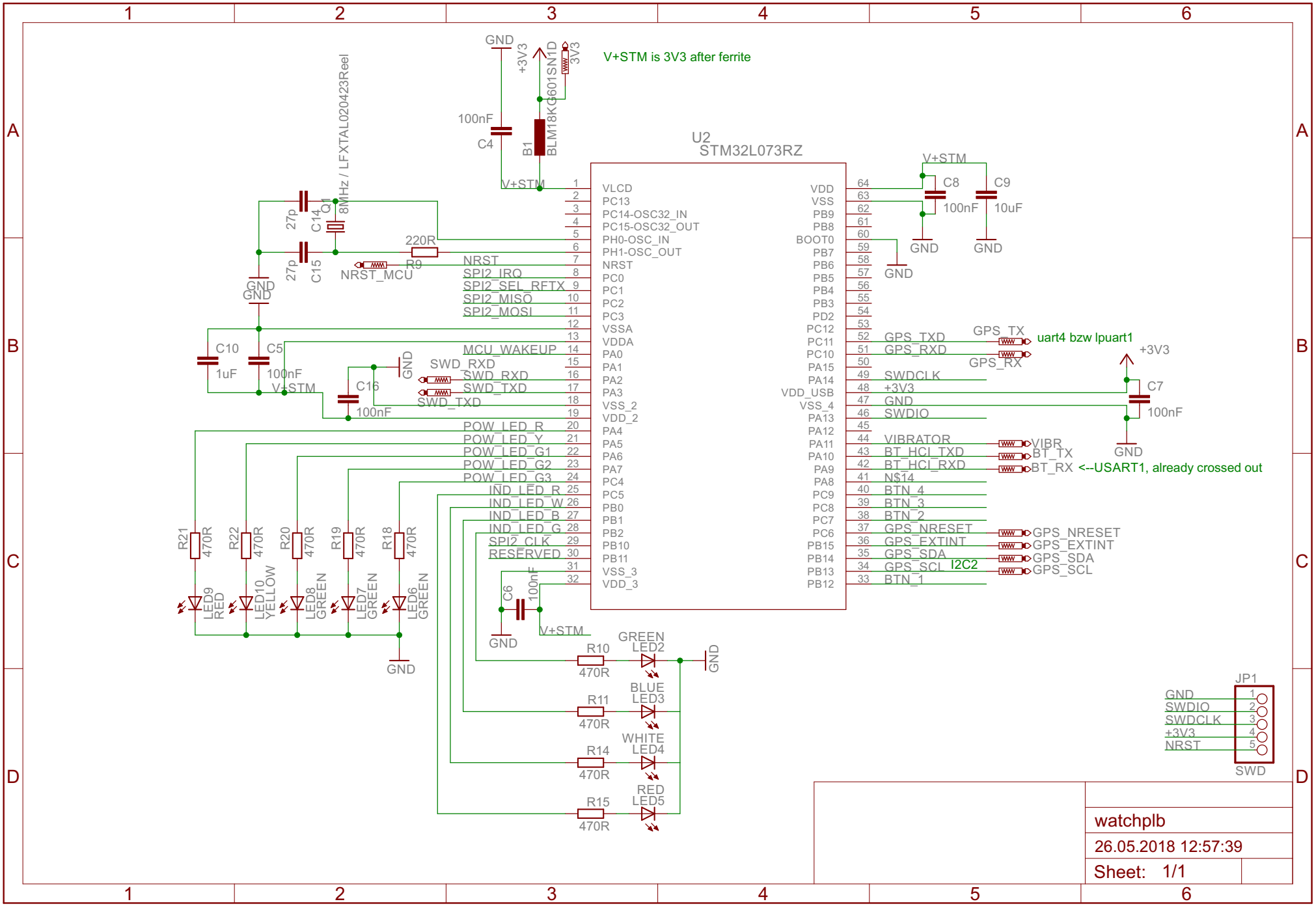
V+STM is 3V3 after ferrite
U2
STM32L073RZ
watchplb
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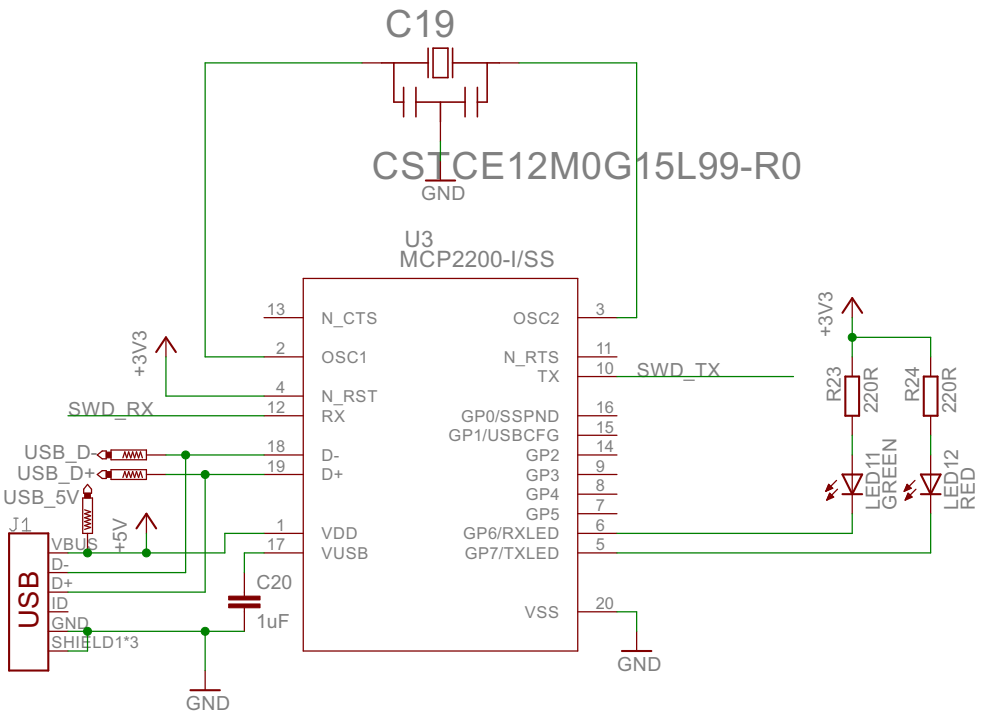
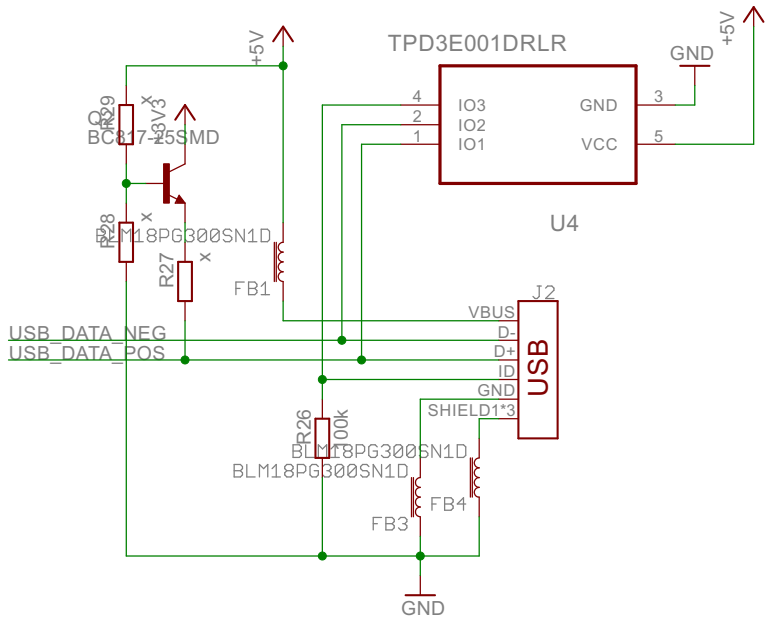
USB Virtual COM Port

mit USB-to-UART Chip



mit USB des STM



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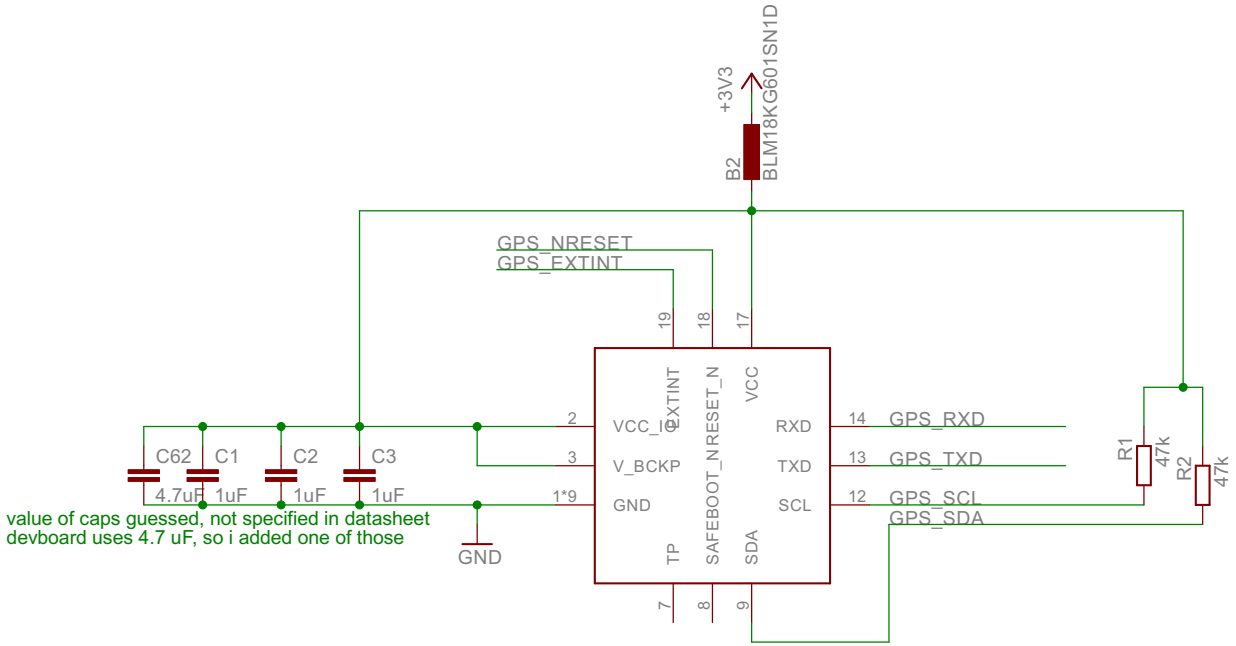

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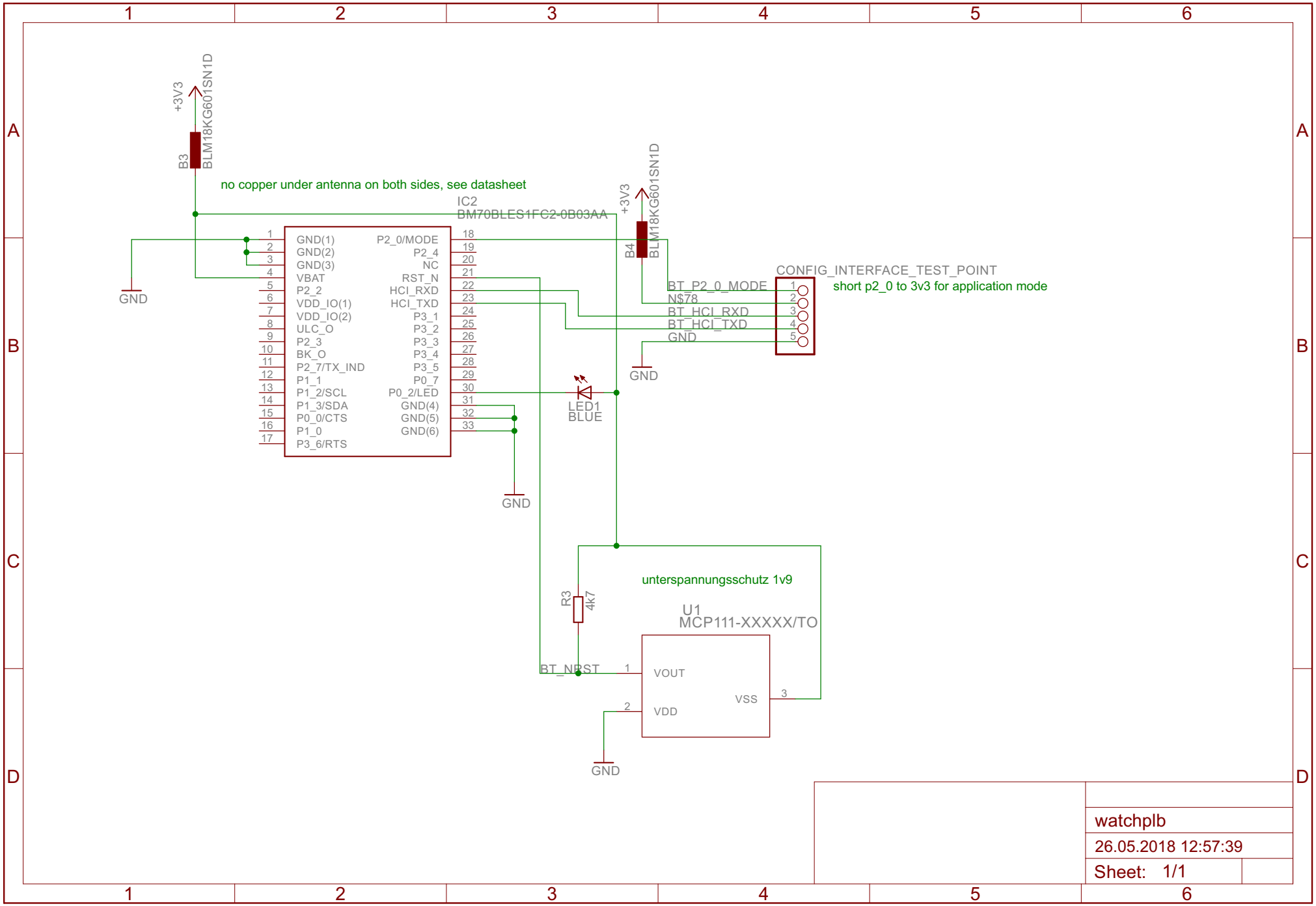
+3V3
BLM18KG601SN1D
B3
no copper under antenna on both sides, see datasheet
IC2
BM70BLES1FC2-0B03AA
GND(1)
GND(2)
GND(3)
VBAT
P2_2
VDD_IO(1)
VDD_IO(2)
ULC_O
P2_3
BK_O
P2_7/TX_IND
P1_1
P1_2/SCL
P1_3/SDA
P0_0/CTS
P1_0
P3_6/RTS
P2_0/MODE
P2_4
NC
RST_N
HCI_RXD
HCI_TXD
P3_1
P3_2
P3_3
P3_4
P3_5
P0_7
P0_2/LED
GND(4)
GND(5)
GND(6)
GND
+3V3
BLM18KG601SN1D
B4
CONFIG_INTERFACE_TEST_POINT
short p2_0 to 3v3 for application mode
BT_P2_0_MODE
N$78
BT_HCI_RXD
BT_HCI_TXD
GND
GND
LED1
BLUE
unterspannungsschutz 1v9
R3
4k7
U1
MCP111-XXXXX/TO
BT_NRST
VOUT
VDD
VSS
GND
watchplb
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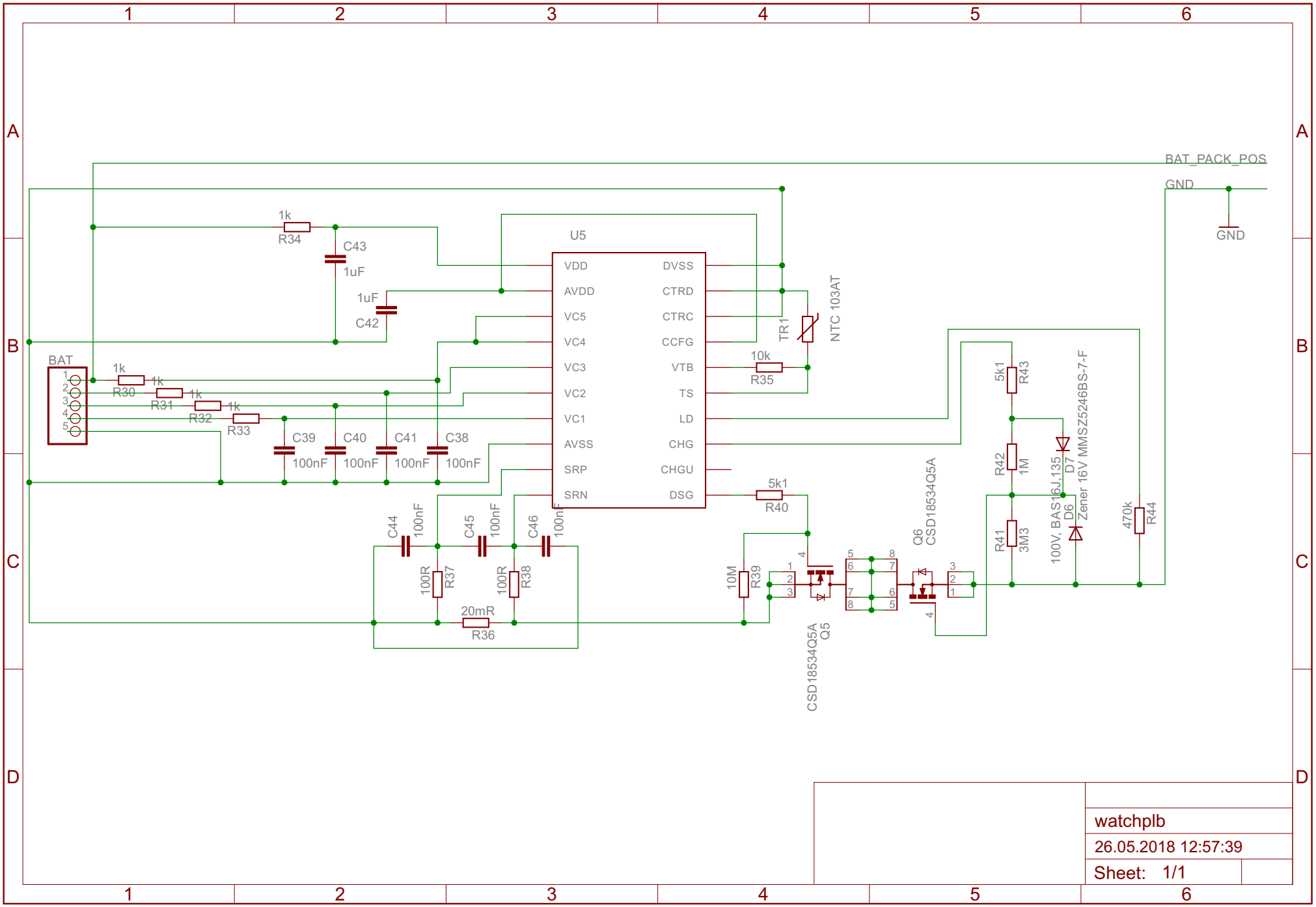
BAT_PACK_POS
GND
GND
U5
VDD
AVDD
VC5
VC4
VC3
VC2
VC1
AVSS
SRP
SRN
DVSS
CTRD
CTRC
CCFG
VTB
TS
LD
CHG
CHGU
DSG
BAT
R34
1k
C43
1uF
C42
1uF
R30
R31
R32
R33
C39
C40
C41
C38
100nF
TR1
NTC 103AT
R35
10k
R40
5k1
R43
5k1
R42
1M
R41
3M3
D7
D6
100V, BAS16J,135
Zener 16V MMSZ5246BS-7-F
R44
470k
Q6
CSD18534Q5A
Q5
CSD18534Q5A
R39
10M
C44
C45
C46
R37
R38
100R
20mR
R36
watchplb
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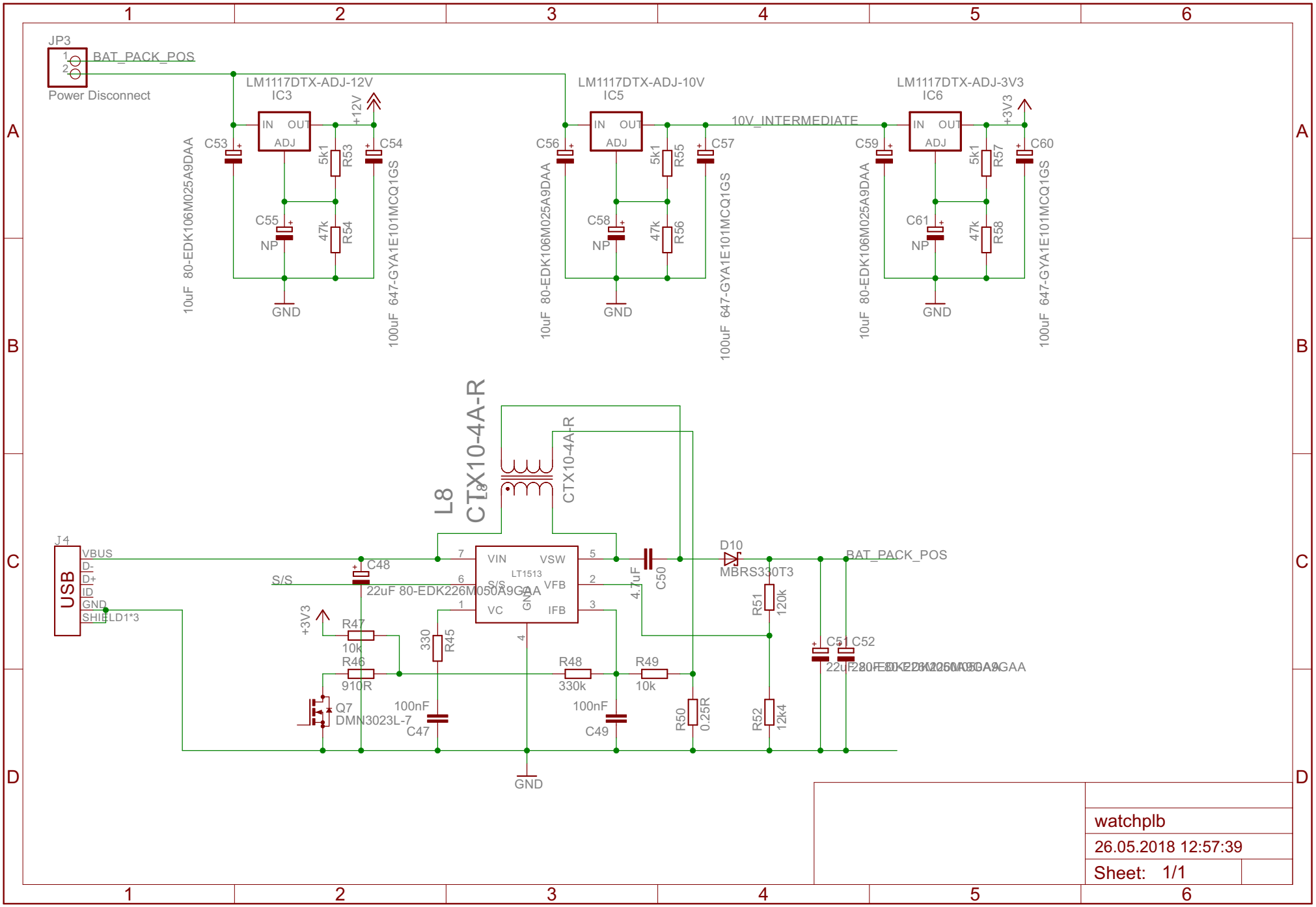
JP3
BAT_PACK_POS
Power Disconnect
LM1117DTX-ADJ-12V
IC3
LM1117DTX-ADJ-10V
IC5
LM1117DTX-ADJ-3V3
IC6
IN
OUT
ADJ
+12V
+3V3
10V_INTERMEDIATE
C53
C54
C55
NP
C56
C57
C58
C59
C60
C61
5k1
R53
47k
R54
R55
R56
R57
R58
10uF 80-EDK106M025A9DAA
100uF 647-GYA1E101MCQ1GS
GND
L8
CTX10-4A-R
J4
USB
VBUS
D-
D+
ID
GND
SHIELD1*3
S/S
C48
22uF 80-EDK226M050A9GAA
LT1513
VIN
VSW
VFB
VC
IFB
GND
4.7uF
C50
D10
MBRS330T3
R51
120k
R47
10k
R46
910R
330
R45
R48
330k
R49
10k
Q7
DMN3023L-7
100nF
C47
C49
R50
0.25R
R52
12k4
C51
C52
watchplb
26.05.2018 12:57:39
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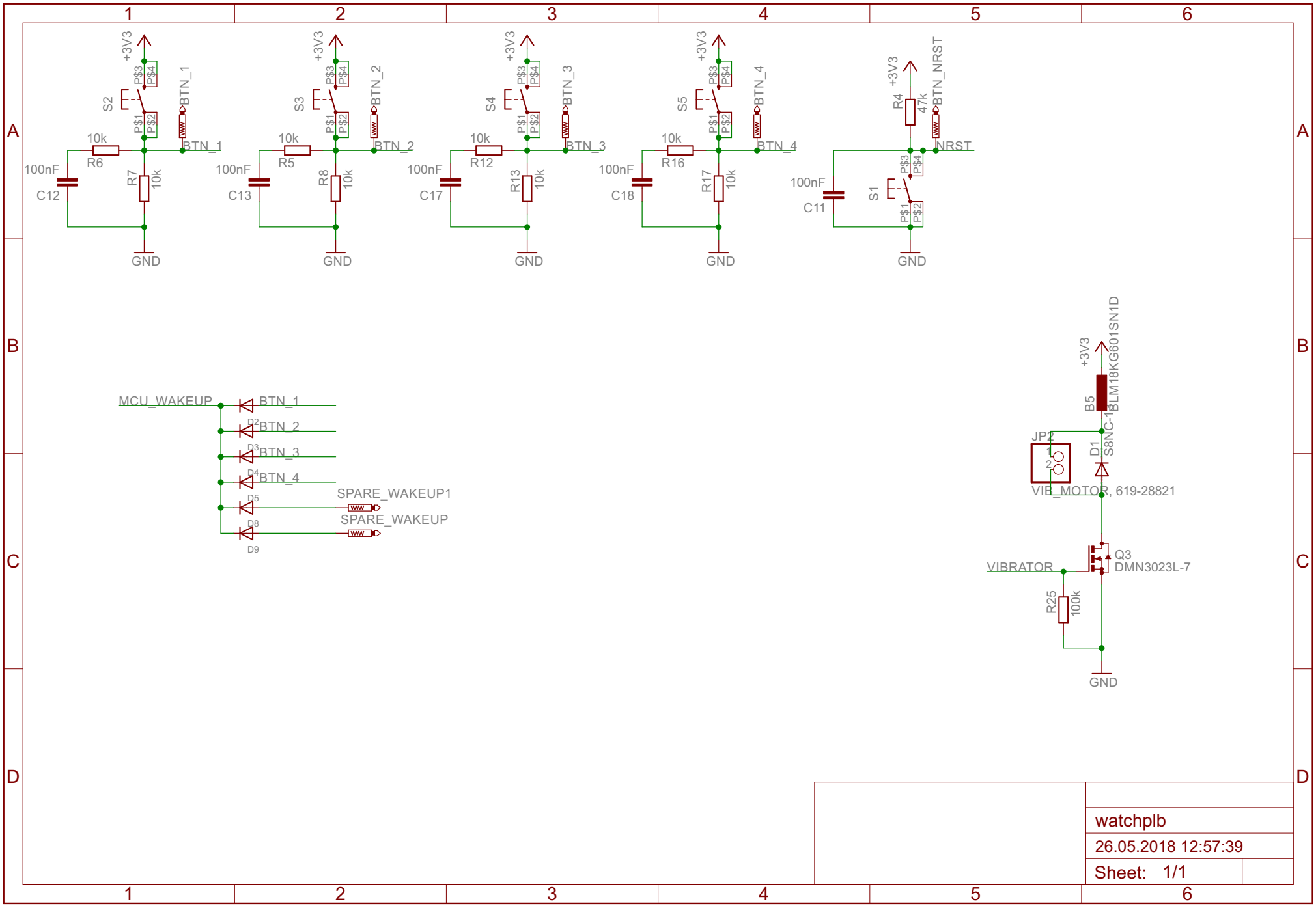
1
2
3
4
5
6
A
B
C
D
+3V3
P$3
P$4
S2
P$1
P$2
BTN_1
10k
R6
100nF
C12
R7
10k
GND
S3
BTN_2
R5
C13
R8
S4
BTN_3
R12
C17
R13
S5
BTN_4
R16
C18
R17
R4
47k
BTN_NRST
NRST
C11
S1
MCU_WAKEUP
D2
D3
D4
D5
D8
D9
SPARE_WAKEUP1
SPARE_WAKEUP
B5
BLM18KG601SN1D
JP2
D1
S8NC-1
VIB_MOTOR, 619-28821
VIBRATOR
Q3
DMN3023L-7
R25
100k
watchplb
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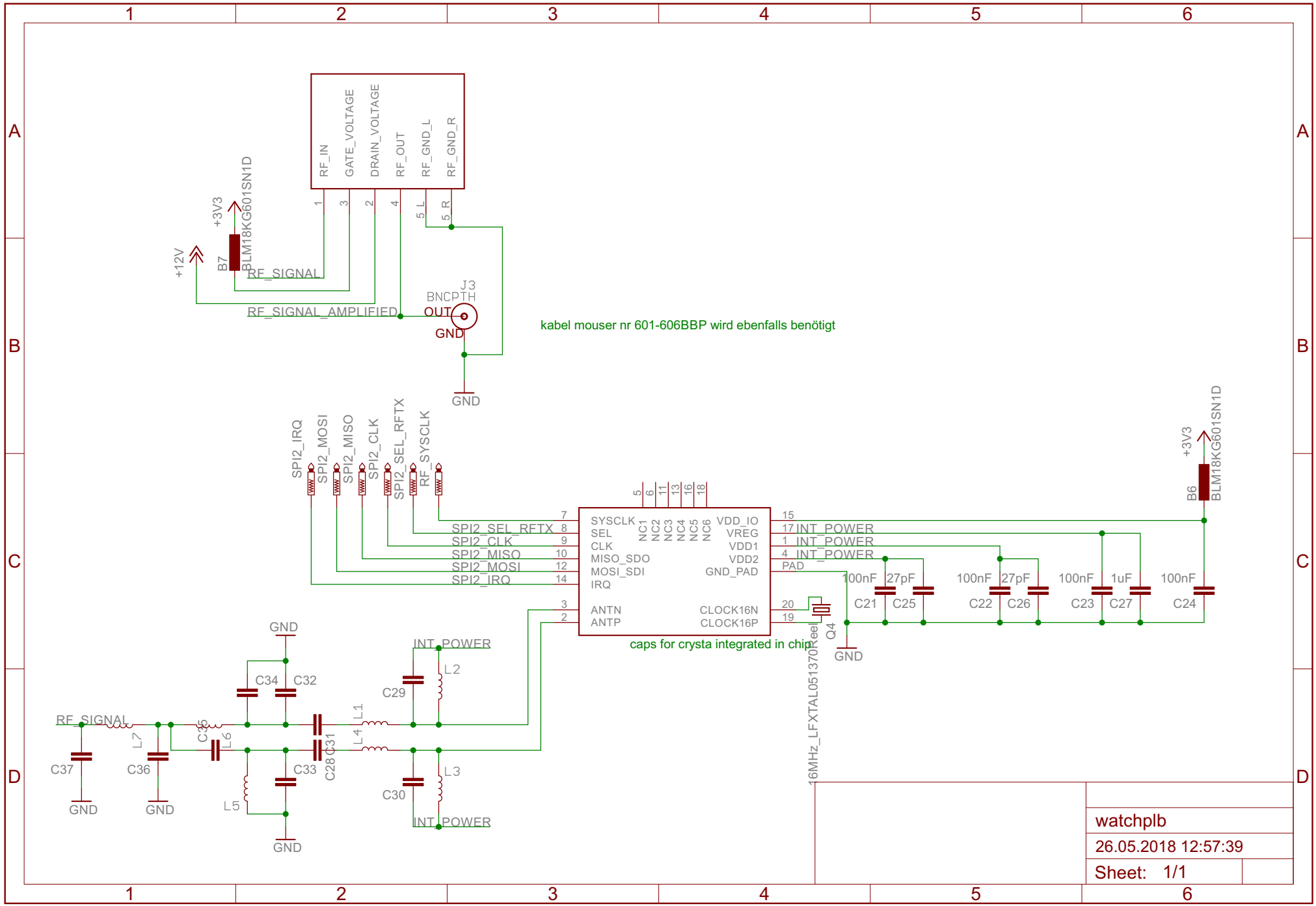
RF_IN
GATE_VOLTAGE
DRAIN_VOLTAGE
RF_OUT
RF_GND_L
RF_GND_R
+3V3
BLM18KG601SN1D
B7
+12V
RF_SIGNAL
RF_SIGNAL_AMPLIFIED
J3
BNCPTH
OUT
GND
kabel mouser nr 601-606BBP wird ebenfalls benötigt
SPI2_IRQ
SPI2_MOSI
SPI2_MISO
SPI2_CLK
SPI2_SEL_RFTX
RF_SYSCLK
SYSCLK
SEL
CLK
MISO_SDO
MOSI_SDI
IRQ
ANTN
ANTP
NC1
NC2
NC3
NC4
NC5
NC6
VDD_IO
VREG
VDD1
VDD2
GND_PAD
PAD
CLOCK16N
CLOCK16P
caps for crysta integrated in chip
16MHz_LFXTAL051370Reel
Q4
B6
INT_POWER
100nF
27pF
1uF
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35
C36
C37
L1
L2
L3
L4
L5
L6
L7
watchplb
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