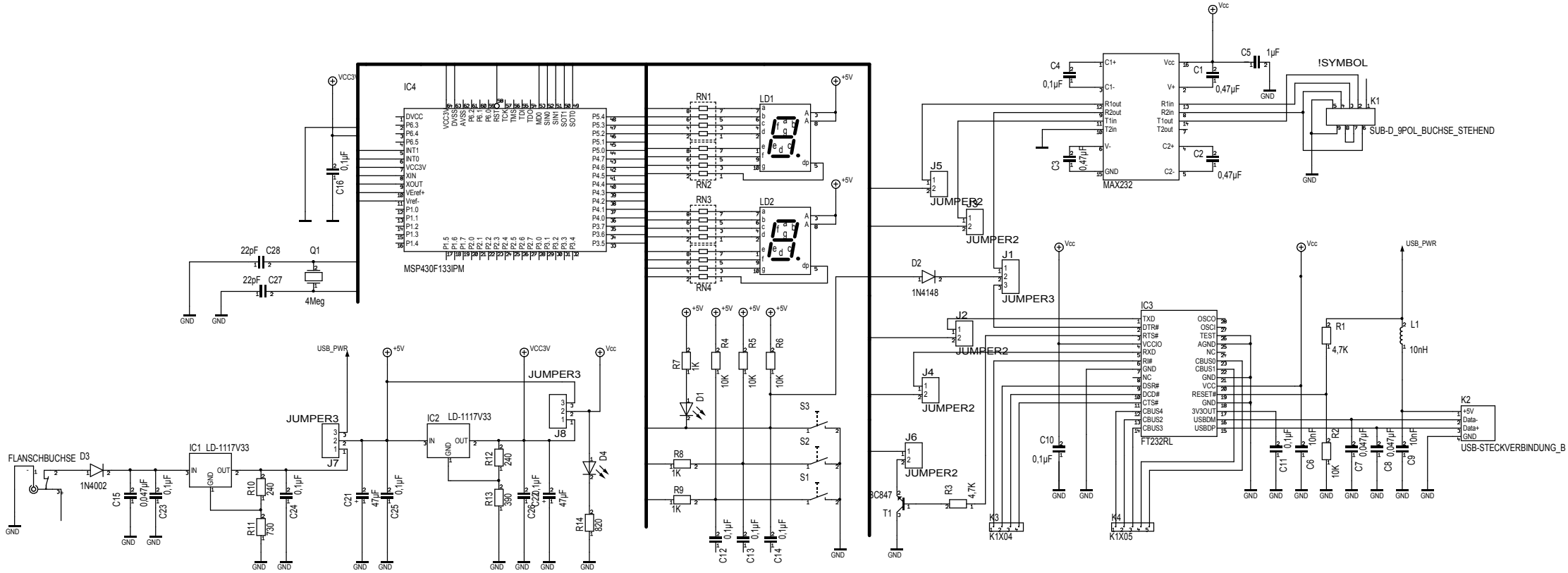
IC4
MSP430F133IPM
Q1
4Meg
22pF C28
22pF C27
C16 0,1µF
RN1
RN2
RN3
RN4
LD1
LD2
R7 1K
R4 10K
R5 10K
R6 10K
R8 1K
R9 1K
D1
S1
S2
S3
C12 0,1µF
C13 0,1µF
C14 0,1µF
J1 JUMPER3
J2 JUMPER2
J3 JUMPER2
J4 JUMPER2
J5 JUMPER2
J6 JUMPER2
J7 JUMPER3
J8 JUMPER3
D2 1N4148
T1 BC847
R3 4,7K
K3 K1X04
K4 K1X05
IC3 FT232RL
C10 0,1µF
C11 0,1µF
C6 10nF
R2 10K
C7 0,047µF
C8 0,047µF
C9 10nF
R1 4,7K
L1 10nH
K2 USB-STECKVERBINDUNG_B
USB_PWR
Vcc
IC1 LD-1117V33
IC2 LD-1117V33
FLANSCHBUCHSE
D3 1N4002
C15 0,047µF
C23 0,1µF
R10 240
R11 730
C24 0,1µF
C21 47µF
C25 0,1µF
R12 240
R13 390
C26 0,1µF
C22 47µF
D4
R14 820
C4 0,1µF
C5 1µF
C1 0,47µF
C2 0,47µF
C3 0,47µF
MAX232
!SYMBOL
K1 SUB-D_9POL_BUCHSE_STEHEND
GND