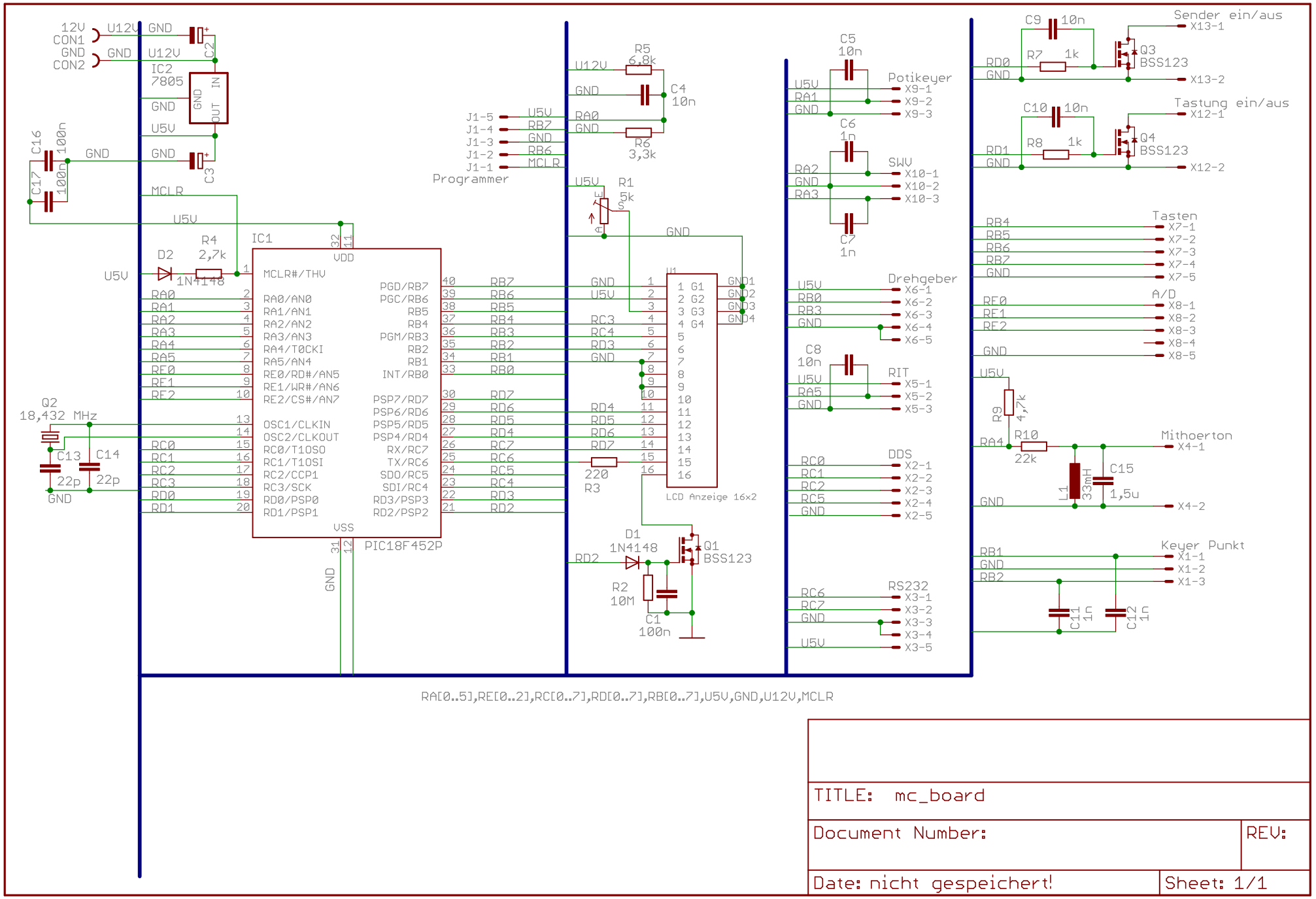
12V
CON1
GND
CON2
U12V
GND
C2
IC2
7805
GND
IN
OUT
U5V
C3
C16
100n
C17
100n
MCLR
D2
1N4148
R4
2,7k
IC1
VDD
MCLR#/THV
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3
RA4/T0CKI
RA5/AN4
RE0/RD#/AN5
RE1/WR#/AN6
RE2/CS#/AN7
OSC1/CLKIN
OSC2/CLKOUT
RC0/T1OSO
RC1/T1OSI
RC2/CCP1
RC3/SCK
RD0/PSP0
RD1/PSP1
PGD/RB7
PGC/RB6
RB5
RB4
PGM/RB3
RB2
RB1
INT/RB0
PSP7/RD7
PSP6/RD6
PSP5/RD5
PSP4/RD4
RX/RC7
TX/RC6
SDO/RC5
SDI/RC4
RD3/PSP3
RD2/PSP2
VSS
PIC18F452P
Q2
18,432 MHz
C13
22p
C14
22p
J1-5
J1-4
J1-3
J1-2
J1-1
Programmer
R5
6,8k
C4
10n
R6
3,3k
R1
5k
LCD Anzeige 16x2
R3
220
D1
1N4148
Q1
BSS123
R2
10M
C1
100n
C5
10n
Potikeyer
X9-1
X9-2
X9-3
C6
1n
SWV
X10-1
X10-2
X10-3
C7
1n
Drehgeber
X6-1
X6-2
X6-3
X6-4
X6-5
C8
10n
RIT
X5-1
X5-2
X5-3
DDS
X2-1
X2-2
X2-3
X2-4
X2-5
RS232
X3-1
X3-2
X3-3
X3-4
X3-5
C9
10n
R7
1k
Q3
BSS123
Sender ein/aus
X13-1
X13-2
C10
10n
R8
1k
Q4
BSS123
Tastung ein/aus
X12-1
X12-2
Tasten
X7-1
X7-2
X7-3
X7-4
X7-5
A/D
X8-1
X8-2
X8-3
X8-4
X8-5
R9
4,7k
R10
22k
Mithoerton
X4-1
L1
33mH
C15
1,5u
X4-2
Keyer Punkt
X1-1
X1-2
X1-3
C11
1n
C12
1n
RA[0..5],RE[0..2],RC[0..7],RD[0..7],RB[0..7],U5V,GND,U12V,MCLR
TITLE: mc_board
Document Number:
REV:
Date: nicht gespeichert!
Sheet: 1/1