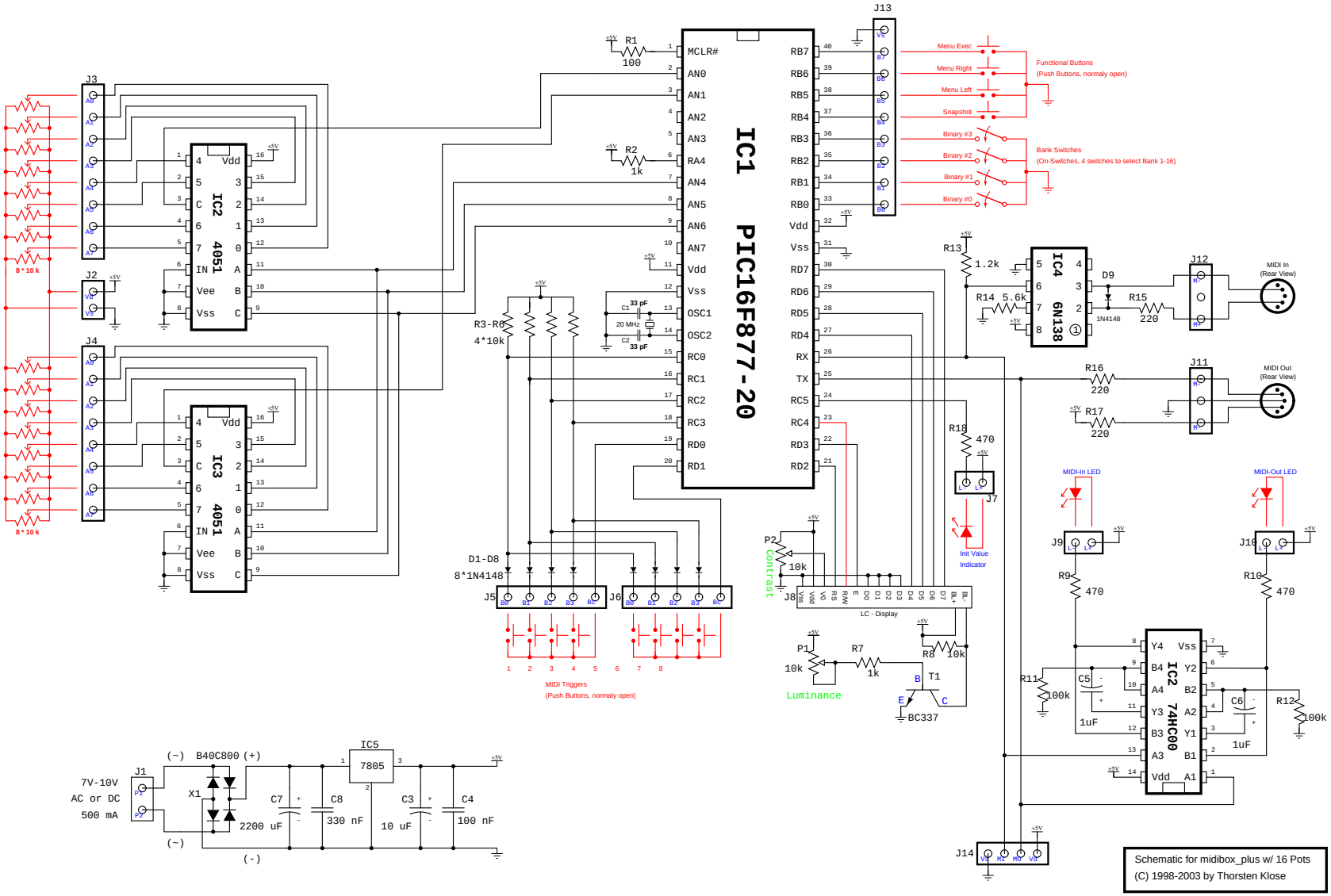

IC1 PIC16F877-20
MCLR#
AN0
AN1
AN2
AN3
RA4
AN4
AN5
AN6
AN7
Vdd
Vss
OSC1
OSC2
RC0
RC1
RC2
RC3
RD0
RD1
RB7
RB6
RB5
RB4
RB3
RB2
RB1
RB0
Vdd
Vss
RD7
RD6
RD5
RD4
RX
TX
RC5
RC4
RD3
RD2
J13
R1
100
R2
1k
R3-R6
4*10k
C1
33 pF
20 MHz
C2
33 pF
D1-D8
8*1N4148
J5
J6
MIDI Triggers
(Push Buttons, normaly open)
Menu Exec
Menu Right
Menu Left
Snapshot
Binary #3
Binary #2
Binary #1
Binary #0
Functional Buttons
(Push Buttons, normaly open)
Bank Switches
(On-Switches, 4 switches to select Bank 1-16)
J3
J2
J4
IC2 4051
IC3 4051
8*10 k
R13
1.2k
R14 5.6k
IC4 6N138
D9
1N4148
R15
220
J12
MIDI In
(Rear View)
R16
220
R17
220
J11
MIDI Out
(Rear View)
R18
470
J7
Init Value
Indicator
P2
10k
Contrast
J8
LC - Display
P1
10k
R7
1k
R8
10k
T1
BC337
Luminance
MIDI-In LED
MIDI-Out LED
J9
J10
R9
470
R10
470
IC2 74HC00
R11
100k
C5
1uF
C6
1uF
R12
100k
J14
J1
7V-10V
AC or DC
500 mA
X1
B40C800
C7
2200 uF
C8
330 nF
IC5
7805
C3
10 uF
C4
100 nF
Schematic for midibox_plus w/ 16 Pots
(C) 1998-2003 by Thorsten Klose