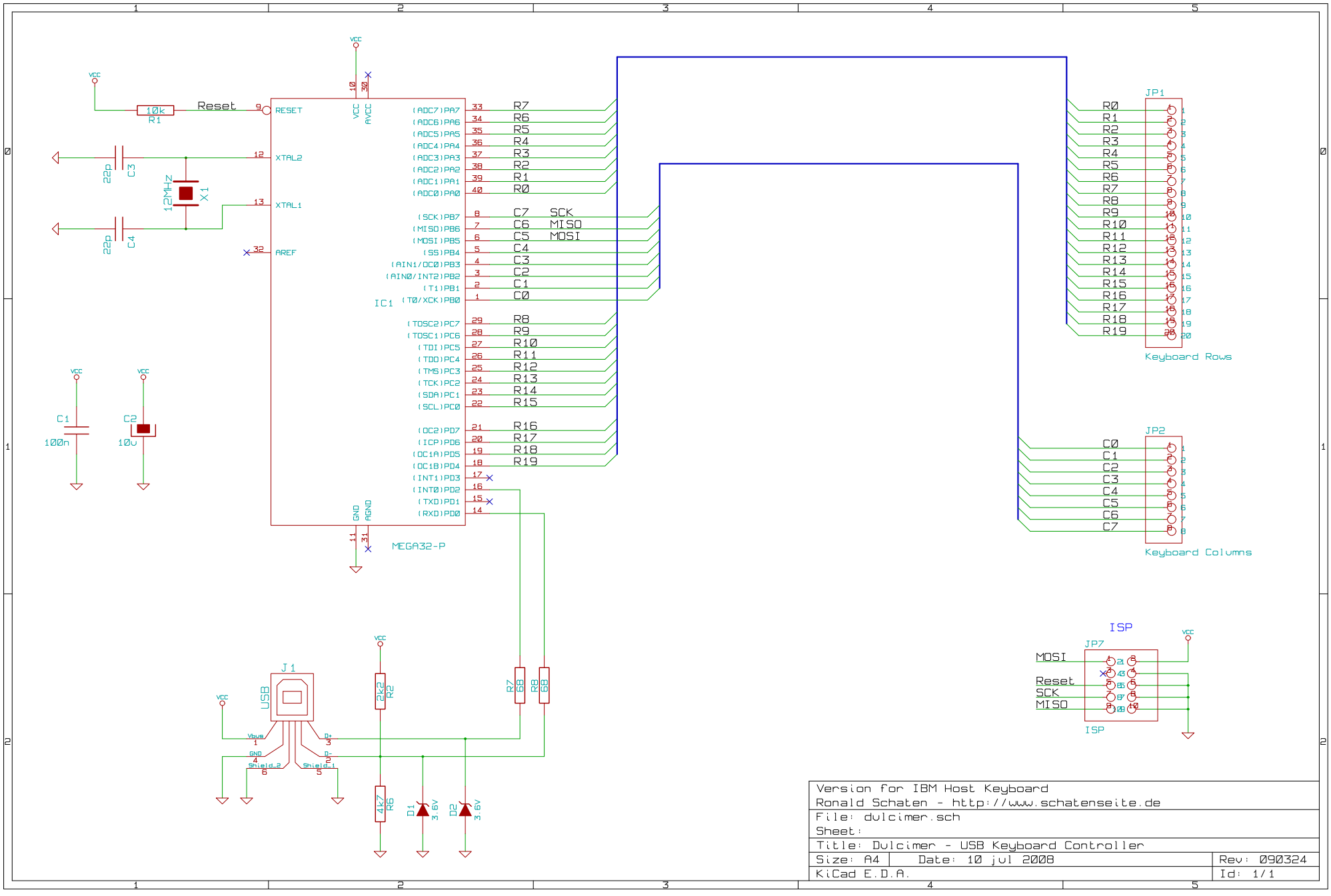
VCC
10k
R1
Reset
RESET
XTAL2
XTAL1
AREF
22p
C3
22p
C4
12MHz
X1
C1
100n
C2
10u
IC1
MEGA32-P
(ADC7)PA7 33 R7
(ADC6)PA6 34 R6
(ADC5)PA5 35 R5
(ADC4)PA4 36 R4
(ADC3)PA3 37 R3
(ADC2)PA2 38 R2
(ADC1)PA1 39 R1
(ADC0)PA0 40 R0
(SCK)PB7 8 C7 SCK
(MISO)PB6 7 C6 MISO
(MOSI)PB5 6 C5 MOSI
(SS)PB4 5 C4
(AIN1/OC0)PB3 4 C3
(AIN0/INT2)PB2 3 C2
(T1)PB1 2 C1
(T0/XCK)PB0 1 C0
(TOSC2)PC7 29 R8
(TOSC1)PC6 28 R9
(TDI)PC5 27 R10
(TDO)PC4 26 R11
(TMS)PC3 25 R12
(TCK)PC2 24 R13
(SDA)PC1 23 R14
(SCL)PC0 22 R15
(OC2)PD7 21 R16
(ICP)PD6 20 R17
(OC1A)PD5 19 R18
(OC1B)PD4 18 R19
(INT1)PD3 17
(INT0)PD2 16
(TXD)PD1 15
(RXD)PD0 14
GND
AGND
J1
USB
Vbus
GND
Shield_2
D+
D-
Shield_1
2k2
R2
4k7
R6
D1
3.6V
D2
3.6V
R7 68
R8 68
JP1
R0
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
Keyboard Rows
JP2
C0
C1
C2
C3
C4
C5
C6
C7
Keyboard Columns
ISP
JP7
MOSI
Reset
SCK
MISO
Version for IBM Host Keyboard
Ronald Schaten - http://www.schatenseite.de
File: dulcimer.sch
Sheet:
Title: Dulcimer - USB Keyboard Controller
Size: A4
Date: 10 jul 2008
Rev: 090324
KiCad E.D.A.
Id: 1/1