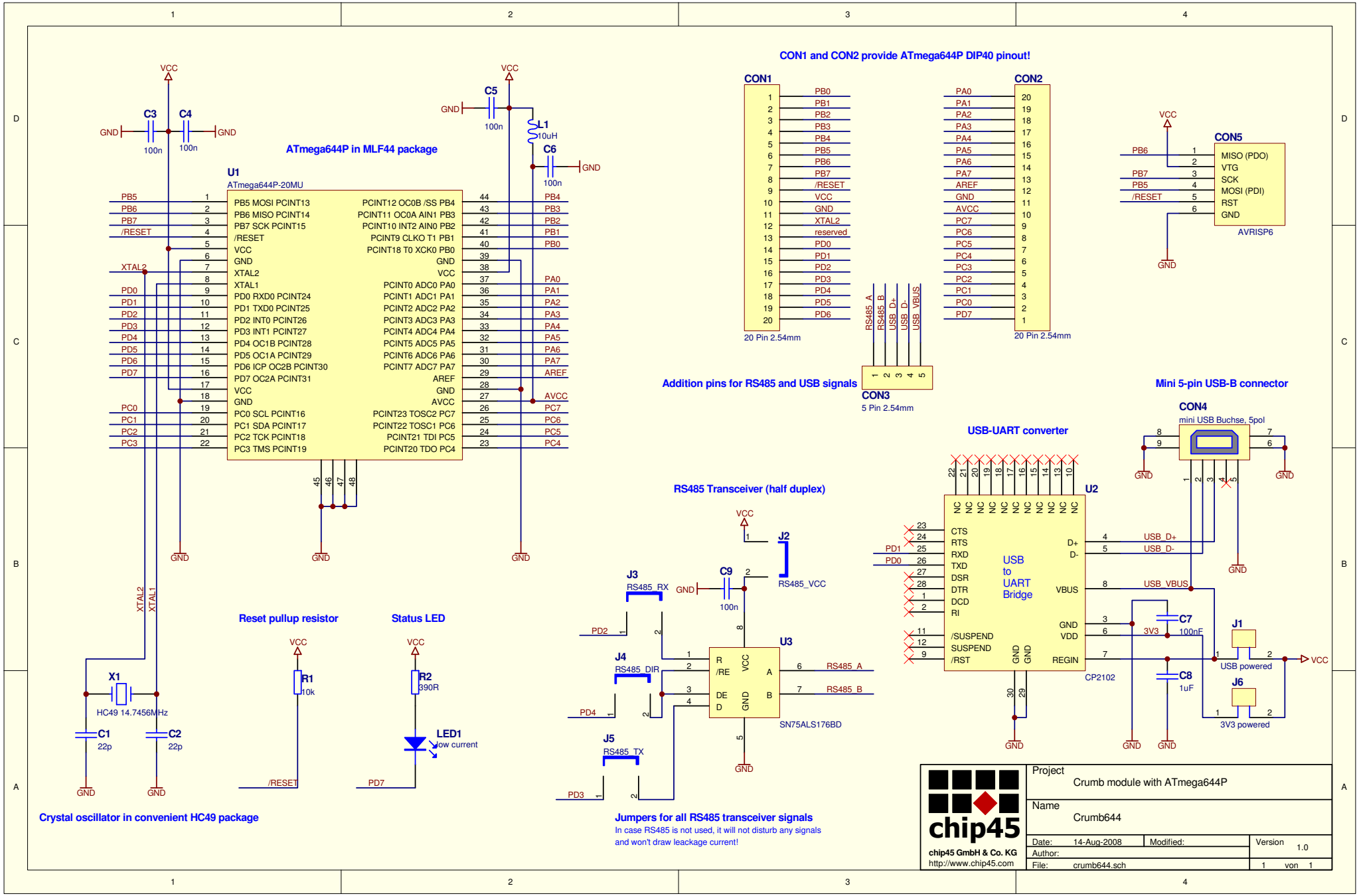
CON1 and CON2 provide ATmega644P DIP40 pinout!
ATmega644P in MLF44 package
U1
ATmega644P-20MU
CON1
20 Pin 2.54mm
CON2
20 Pin 2.54mm
CON5
AVRISP6
MISO (PDO)
VTG
SCK
MOSI (PDI)
RST
GND
Addition pins for RS485 and USB signals
CON3
5 Pin 2.54mm
Mini 5-pin USB-B connector
CON4
mini USB Buchse, 5pol
USB-UART converter
U2
USB to UART Bridge
CP2102
RS485 Transceiver (half duplex)
U3
SN75ALS176BD
J2
RS485_VCC
J3
RS485_RX
J4
RS485_DIR
J5
RS485_TX
Reset pullup resistor
Status LED
LED1
low current
Crystal oscillator in convenient HC49 package
HC49 14.7456MHz
J1
USB powered
J6
3V3 powered
Jumpers for all RS485 transceiver signals
In case RS485 is not used, it will not disturb any signals
and won't draw leackage current!
chip45
chip45 GmbH & Co. KG
http://www.chip45.com
Project
Crumb module with ATmega644P
Name
Crumb644
Date: 14-Aug-2008
Modified:
Version 1.0
Author:
File: crumb644.sch
1 von 1