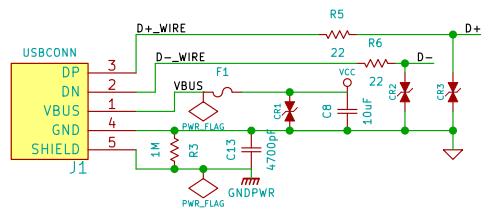


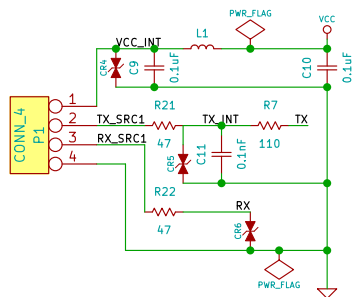
USB connector



Protection / filter circuitry designed based on the "Atmel AVR1017: XMEGA – USB Hardware Design Recommendations" application note that can be accessed at <http://www.atmel.com/Images/doc8388.pdf>

RJ11 jack

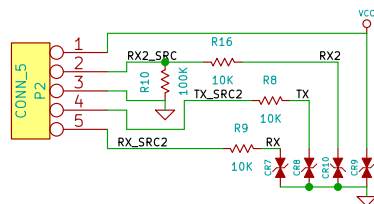
Remotely connecting the two keyboard halves



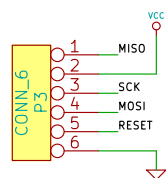
- * Pi filter on VCC
- * Low-pass RC filter on TX

Board-to-board connector

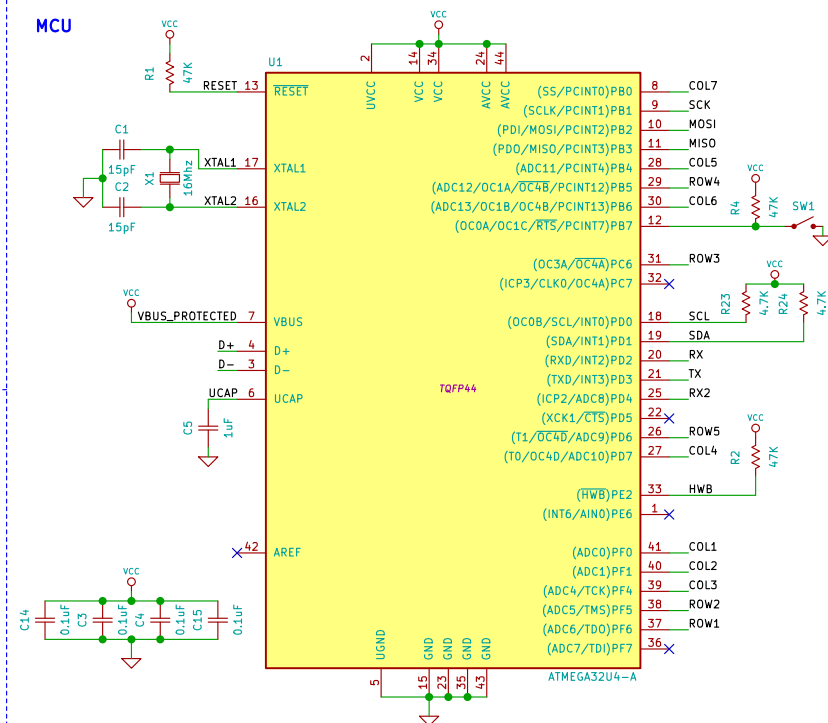
Proximity-connecting the two keyboard halves



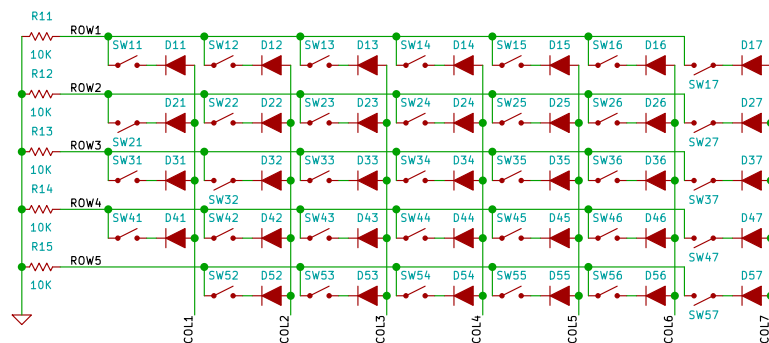
ISP header



MCU



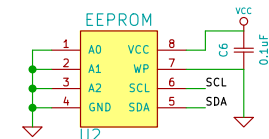
Keyboard matrix



Unlike all the other keys this one is backed by an Omron SS-[0151]-F[-21-3]D microswitch instead of a Cherry MX switch.

The bottommost switch →

EEPROM



Ultimate Gadget Laboratories Kft.

File: right-main.sch

Sheet: /

Title: Ultimate Hacking Keyboard – Right Main Board

Size: A4

Date: 7 may 2013

Rev: 5

KiCad E.D.A.

Id: 1/1