GND

CTS

VCC

TXD

RXD

DTR

CH340
or FTDI

VCC

100nF

1k

BAT42

74HC14

9

8

2.2k

5

74HC14

6

1

74HC14

2

2.2k

3

4

74HC14

BAT42

470pF

VCC

14   VCC   GND   7

74HC14

VCC

VCC

10k

100nF

Reset

AVR

Rx/Tx
open Collector

Special
Bootloader
required!

Electronic switch to prevent local echo from TXD to RXD.