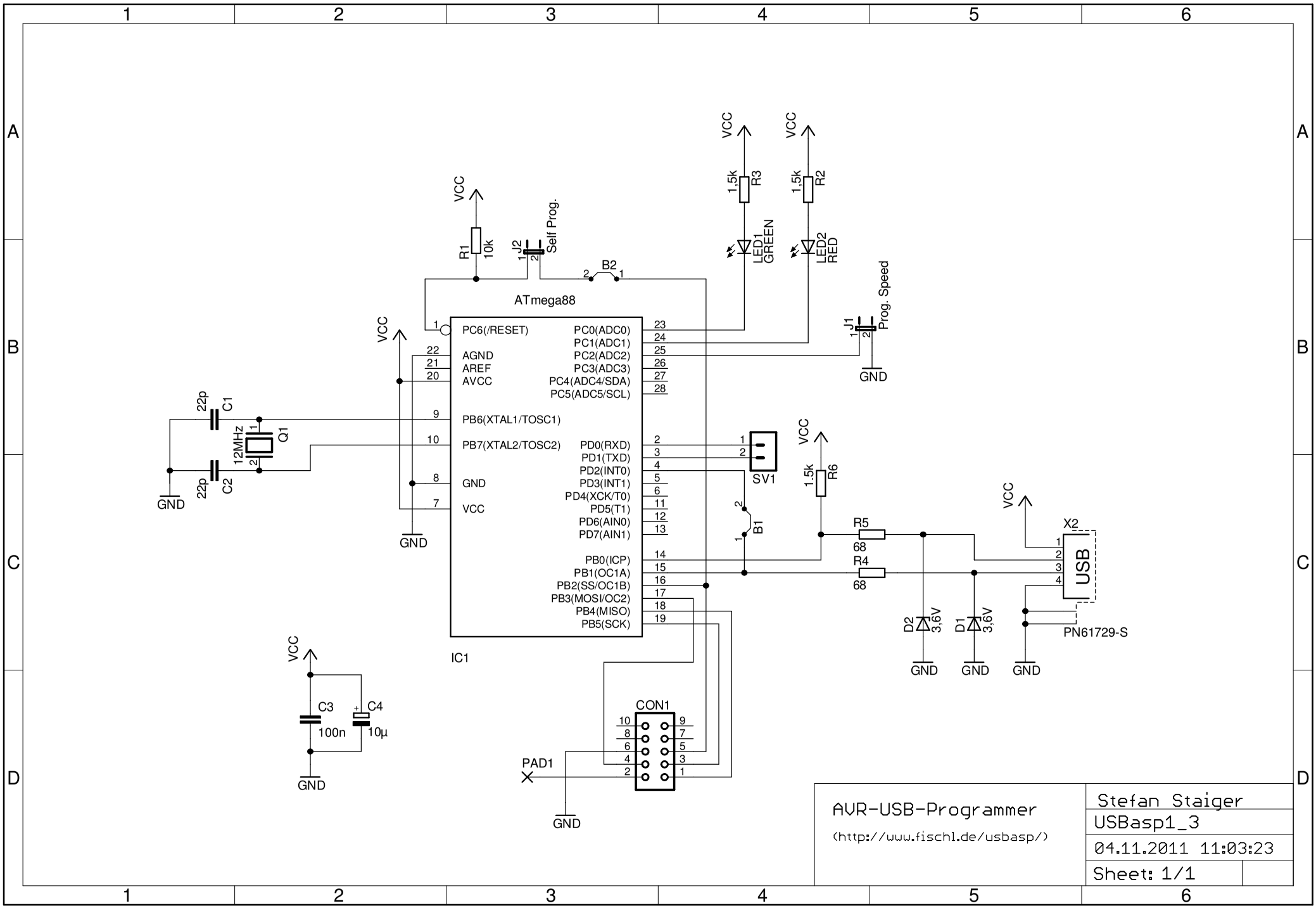
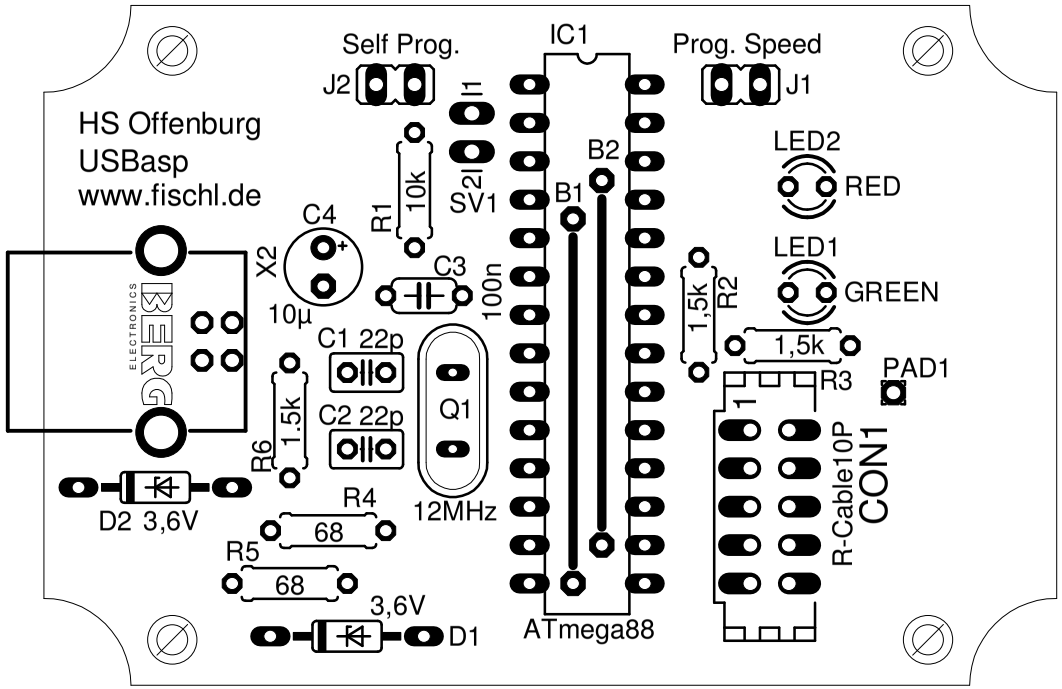

ATmega88
IC1
PC6(/RESET)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
AGND
AREF
AVCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
GND
VCC
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
R1 10k
J2 Self Prog.
B2
R3 1,5k
R2 1,5k
LED1 GREEN
LED2 RED
J1 Prog. Speed
C1 22p
C2 22p
Q1 12MHz
SV1
B1
R6 1,5k
R5 68
R4 68
D2 3,6V
D1 3,6V
X2 USB
PN61729-S
C3 100n
C4 10µ
CON1
PAD1
AVR-USB-Programmer
(http://www.fischl.de/usbasp/)
Stefan Staiger
USBasp1_3
04.11.2011 11:03:23
Sheet: 1/1

53mm x 35,5mm
53mm x 28,5mm



Partlist

Menge	Part	Value
2	C1,C2	22p (RM2,5)
1	C3	100n (RM5)
1	C4	10µ (RM2,5)
1	R1	10k
3	R2,R3,R6	1,5k
2	R4,R5	68R
2	D1,D2	3,6V
1	LED1	GREEN 3MM
1	LED2	RED 3MM
1	IC1	MEGA48-P
1	Q1	12MHz
1	CON1	LPV 10
1	X2	USB B-Stecker
2	J1,J2	Stiftleiste 2-Polig
1	SV1	Stiftleiste 2-Polig
2	B1,B2	Drahtbrücke
1		IC Sockel 28-Polig
1		Jumper rot
1		PFL 6
1		Kleingehäuse
2		Schrauben 2,9x6,5

ca. 6cm Silberdraht 0,6mm
ca. 30cm Flachbandleitung 6-polig