AvrUsb500 Version 2, usb key optional 5V out Ext. Prg. (normally not used) Bridge CONN2 CONNG CONN3 MOSI MISO SCK Vcc Vcc `C1 1uF-10uF atmega8a U2 ATMEGA8 ft232rl 10K 100nF (SCL)PC5 28 28 Rst(PC6) TXD osco Tuxgraphics R3 27 27 cable color 2 PD0 (RXD) (SDA)PC4 DTR# OSCI 1K CONN4 GND codes: (ADC3) PC3 26 3 PD1 (TXD) RTS# TEST SCK 4 PD2 (INT0) (ADC2) PC2 25 VCCIO AGND brown R10 220 ₅ PD3 (INT1) MISO (ADC1) PC1 24 24 white RXD NC MOSI R5 yellow (ADC0) PC0 23 23 CBUS0 Reset 100 green AGND GND CBUS1 Prg. out (to target) AREF 21 NC GND R2 <u>20</u> → § 18pF C6 5 ____ 20 → § PB6(XTAL1) AVcc DSR# VCC 1K CONN1 Vcc 1 10 PB7(XTAL2) (SCK) PB5 19 5V DCD# RESET# 1K D-11 PD5 (T1) (MISO) PB4 18 11 CTS# GND 2 D+ 100nF 18.4320MHz (MOSI) PB3 17 12 3 12 PD6 (AIN0) CBUS4 3V3OUT GND R14 100 4 CONN5 13 PD7 (AIN1) (OC1B) PB2 16 13 16 USBDM CBUS2 optional CLK out 5 R12 220 15 15 USBDP CBUS3 14 PB0(ICP1) 6 USB-to-PC D1 # R7 (c) Guido Socher, tuxgraphics.org Target_OK_LED 100K