Version 1.1.1 (c) 2014-2017 by Malte Marwedel Usage: Creative Common license, Attribution, Non commercial, Share alike 4.0 (CC BY-NC-SA 4.0) this color = Changes in wireing done after PCB (version 1.0) manufactured. Changes in values after PCB 1.0 are entered too, but not color highlighted LED1 TA-07 LED2 LED2 LED3 TA-07 LED4 TA-07 LEDPo Q10 IRLML6402PbF 100 J3 Speak C22 47 yF PF0(OC0A/SDA) PF1(OC0B/XCK0/SCL) PF2(OC0C/RXD0) PF3(OC0D/TXD0) PF4(OC1A/55) PA1(ADCA1) PA2(ADCA2) PA3(ADCA3) PA4(ADCA4) PA5(ADCA5) 6402PbF 1840402PbF 03 GND PF5(OC1B/XCK1/MOSI) UT) PF6(RXD1/MISO) PF7(TXD1/SCK) PA6(ADCA6) | PB0(ADCB0/AREFB) | PH0(\(\bar{\text{ME}} \) | PH1(\(\bar{\text{CAS}} \) / RE) | PH3(\(\bar{\text{DCB}} \) / ALE1) | PH3(\(\bar{\text{DCB}} \) / ALE1 | PH3(\(\bar{\text{DCB}} \) / A GND PC0(0C0A/SDA) PC1(0C0B/XCK0/SCL) PJ0(D0/A0/A8) PC2(0C0C/RXD0) PJ1(D1/A1/A9) PC3(0C0D/TXD0) PJ2(D2/A2/A10) PC4(0C1A/SS) PJ3(D3/A3/A11) PC5(0C1B/M0SI/XCK1)PJ4(A8/D4/A4/A12) PC6(MISO/RXD1) PJ5(A8/D5/A5/A13) ON SCIK DCLK/CFIL/FFIT FSK/DATA/NFFS PC5(0C1B/rius;/ Ac.,... PC6(MISO/RXD1) PJ5(A9/D5/A5/H13/PC7(SCK/TXD1/CLK0/ÆJJ6(A10/D6/A6/A14) PJ7(A11/D7/A7/A15) NSEL. PD0(OC0A/SDA) PD1(OC0B/XCKØ/SCL) PK0(A0/A8/A16) PD2(OC0C/RXD0) PK1(A1/A9/A17) PD3(OC0D/TXD0) PK2(A2/A10/A18) PD4(OC1A/SS) PK3(A3/A11/A19) PD5(OC1B/XCK1/MOSI) PK4(A4/A12/A20) PD6(RXD1/MISO) PK5(A5/A13/A22) PD7(TXD1/SCK/CLKO/EV©K6(A6/A14/A22) PK7(A7/A15/A23) PD6=DCF77 power PD7=DCF77 sig 1k TWI pullups missing, but works with internal pull¶ps PE0(0C0A/SDA) PE1(0C0B/XCK0/SCL) PE2(0C0C/RXD0) PE3(0C0D/TXD0) PE3(0C1A/SS) PE5(0C1B/XCK1/MOSI) PE4(9SC1/MISQ/T0SC2) PQ0(TOSC1) PQ1(TOSC2) X 39 works with 47pF. 100pF was sold out PE7(TSD1/SCK/CLK0/EV0/T0SC1) AUCC-A AVCC-B PDI-DATA Patchfield PDI-CLK/RESET PRØ(XTAL2) WUCC1 WUCC2 WUCC3 WUCC VUCC PAD10 PAD13 PAD16 R0011 R0014 R0017 R0012 R0015 R0018 XGWD2 X0WD3 X6WD4 GND GND GND PR1(XTAL1) C5 PAD7 RBB8 RBB9 RBB01 XB001 Additional overvoltage and current limitation needed LVProg GND GND 100 μF...1000 μF Vcc<->GND would be good GND×

Minimatrix