

www.x-sim.de  
X-Sim 3 EDITION

Updated 16-4-2012

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AVR Motion Controller v1.6 USB By Thanos (TronicGr)

1000uF/16V

10uF/16V

RESET

Prog LED

10K

Power LED

MOSI MISO Gnd RESET

1 2 3 4

DIP SW

Vcc Gnd Vcc

MOSI MISO Gnd RESET

3.3v

TXD RXD GND

FT232RL

Feedback Encoders

A1 B1 A2 B2

- + D

MOSI MISO SCK RESET

Vcc Gnd Vcc

18pF

Crystal

RX TX

P2d1 P2d2 PWM1 P1d1

PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7 RESET

PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7

AVCC PC7 PC6 PC5 PC4 PC3 PC2 PC1 PC0 PD7

Vcc Gnd

Vcc Gnd PWM2 P2d2 P2d1 P1d2 P1d1

Feedback Pots

Pot1 Pot2 Pot3 Pot4 Pot5 Pot6 Pot7 Pot8

Gnd Vin Vcc

10k multi

10k Reference

Aref

100nF

100nF

10k multi

LCD connector

K A

E RS

Vcc Gnd

LCD Contrast

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