ATDB
Attiny Development Board

Documentation of the board features and board layout.

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Contents

1 Introduction

RS232-RGB-LED-Controller is a lightweight cheap RGB LED controller board for computer motherboards, using the *COM-Port* as the main interface, which is a common, non used port on motherboards.

The controller is powered with an *Atmel Atmega8AU* micro-controller, running at 16 MHZ that handles the communication between the external devices.

The controllers schematic and board layout was designed with the *Autodesk Eagle* software under the *OPHW* license. Whereas the source code for the firmware and driver is under the *GPL* license.

1.1 Features

1. Debug - JTAG interface easy debugging.

2. Peripheral Features: RS232

3. Speed Grade:

4. Operating Voltage: 5.0V

5. RGB

6. Power Consumption at 1MHz, 1.8V,

2 Pin Configurations
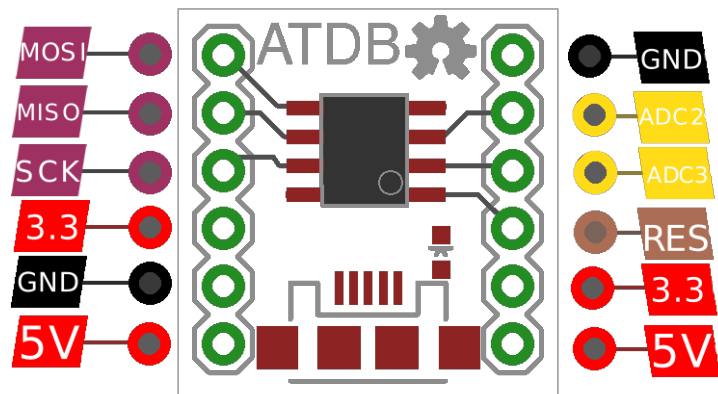
2.1 Pin-out

Figure 1. 12-pin PDIP

Figure 1: Ouput pin of the controller

2.2 Pin Description

3 Schematic

TITLE: attinydevboard

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Sheet: 1/1

2017-06-22 14:38 /media/programming/schematic/eagle/dev_board/attinydevboard/attinydevboard.sch (Sheet: 1/1)

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