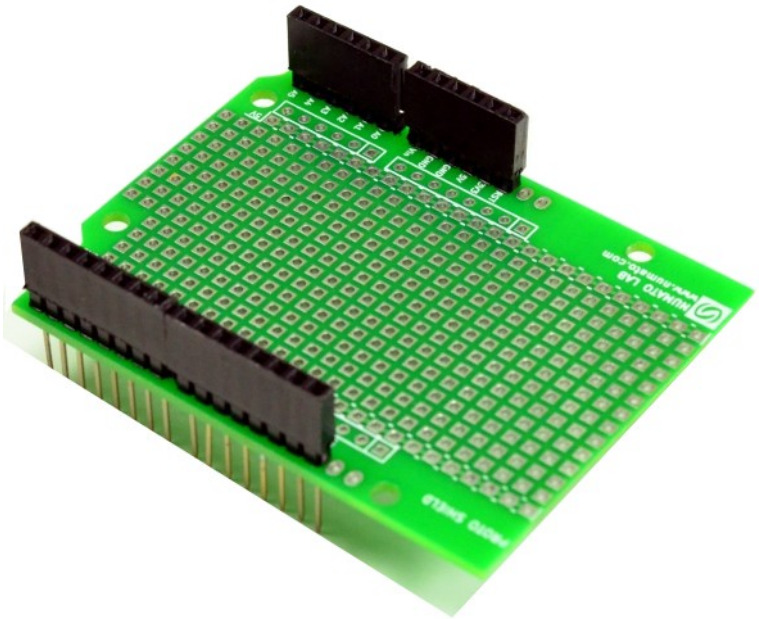

Proto Shield For Arduino

User Guide

NUMATO LAB

www.numato.com

Rev 9

Get in touch with us!

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* Mail orders, phone orders and direct pick up are not available at this time. Please visit our online store to place your order. Estimated shipping time to your address will be displayed in the shopping cart before checkout.

Introduction

Numato Lab's Proto Shield for arduino is the easiest way to build your custom circuit around an Arduino. This very simple and easy to use shield has ample prototyping area and all Arduino pins are available on solder pads near the prototyping area. More proto shields or other shields can be stacked on top of this shield.

Some of the possible uses of this shield include

- Robotics
- Building a new Shield
- Testing components
- General–purpose I/O functionality
- DIY and Hobby

Features

- Arduino Uno, Arduino Mega compatible shield.
- Arduino pins are extended with the male headers.
- Additional one row for 5V & GND(25 pin 0.1” header).
- Breadboard style prototyping area.
- Standard 0.1” prototyping grid.
- Low cost and less weight.

How to Use the Shield

The following section describes how to use this shield.

Components / Tools Required

Along with this shield, you may need the following items for easy and fast installation.

1. Arduino Uno / Arduino Mega or a Compatible board
2. 7-12V External DC power supply to power Arduino
3. USB A to B cable to connect Arduino to host PC.

Arduino IO

The module has Arduino IO pins are available on solder pads near the prototyping area. More proto shields or other shields can be stacked on top of this shield. The table below summarizes the Arduino IO's input positions on the terminals.

HEADER P3

Header pin no	Pin Details
1	NC
2	NC
3	RESET
4	3V3
5	5V
6	GND
7	GND
8	VIN

HEADER P4

Header pin no	Pin Details
1	A0
2	A1
3	A2
4	A3
5	A4
6	A5

HEADER P5

Header pin no	Pin Details
1	NA
2	NA
3	AREF
4	GND
5	13
6	12
7	11/PWM
8	10/PWM
9	9/PWM
10	8

HEADER P6

Header pin no	Pin Details
1	7
2	6/PWM
3	5/PWM
4	4
5	3/PWM
6	2
7	TX
8	RX

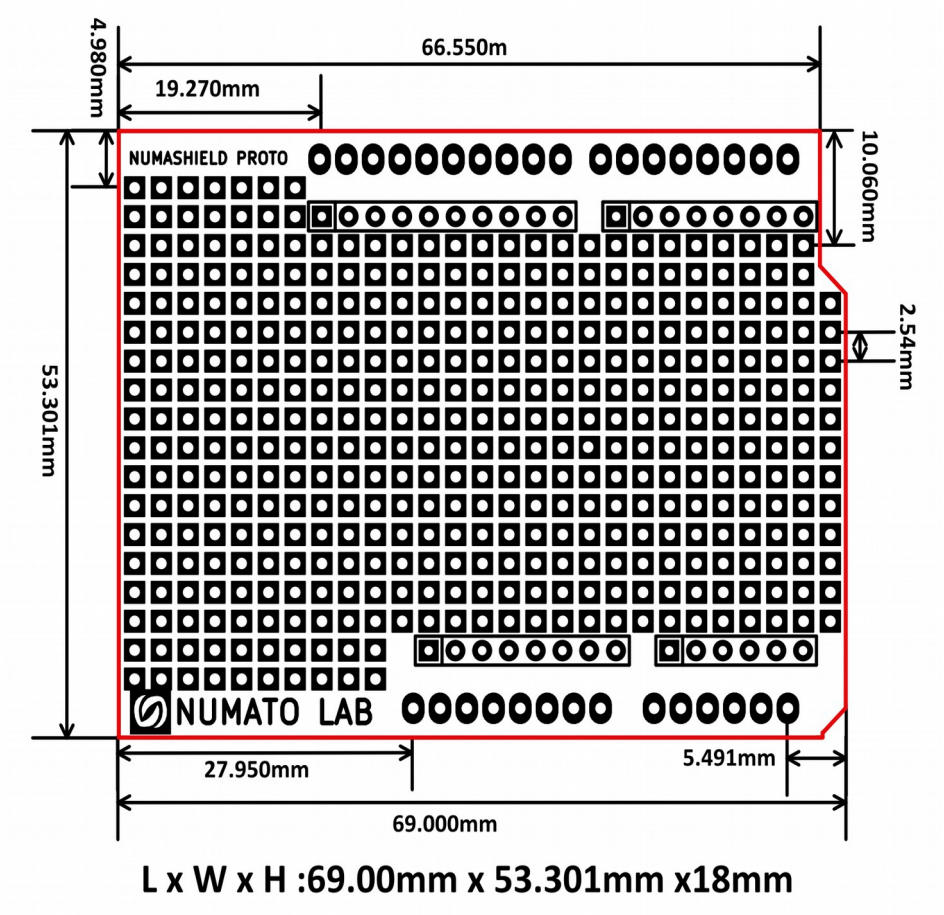
FAQ

Q. Where do I find Demo code for this product?
A. Visit http://numato.com and navigate to the product page to download Demo code.

Q. I need a customized version of this product, can Numato do the customization for me?
A. Yes, we can definitely do customization but there may be minimum order requirements depending on the level of customization required. Please write to sales@numato.com for a quote.

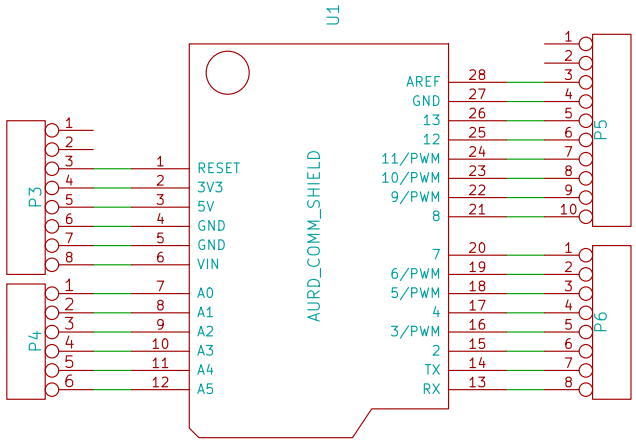
Q. Where can I buy this product?
A. All Numato products can be ordered directly from our web store http://www.numato.com. We accept major credit cards and Paypal and ship to almost all countries with a few exceptions. We do have distributors in many countries where you can place your order as well. Please find the current list of distributors at http://numato.com/distrib.

Physical Dimensions



Schematics

See next page



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Title: ProtoShield		
Size: A4	*Date: 9 jul 2015*	*Rev:*
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