

A-Star 32U4 Micro

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Robot Kits

Choose from our selection of affordable robot kits with soldering or without soldering. We have various beginner-level robot kits as well as advanced walking robots, robotic arms, and our high-performance 3pi robot.

Programmable Controllers

Use these controllers as the brain for your next project. You can connect them to your computer and program them in various languages including BASIC, C, and C++.

Robot Controllers

Pololu's Orangutan robot controllers are complete control solutions for small and medium robots or similar projects. All Orangutans feature Atmel AVR microcontrollers and multiple H-bridges for direct control of DC motors. Most units have integrated LCD displays.



Brushed DC Motor Controllers

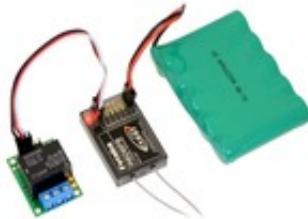
Take command of the speed and direction of your brushed DC motors using these controllers. This category includes single and dual serial motor controllers with a variety of features such as analog, RC, or USB control, speed/position feedback, channel mixing, and more.

Brushed DC Motor Drivers

Single and dual motor driver carriers get your brushed DC motor projects up and running quickly using modern H-bridges with high-performance MOSFETs that deliver hundreds of watts in a compact package. Give these boards a PWM signal and make your motors go!

Stepper Motor Drivers

With features like adjustable current limiting and selectable microstep resolutions, these drivers make it easy to get a stepper motor running with simple step and direction control interfaces.



RC Servo Controllers

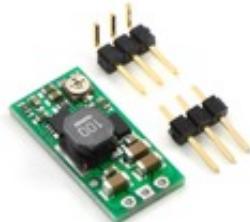
Pololu's compact serial and USB servo controllers offer industry-leading resolution and stability for precise, jitter-free control of your RC servos. Unique features include separate speed and acceleration settings for each servo, the ability to turn servos off, and advanced mapping of low-resolution commands for optimal range and resolution.

Sensors

Let your robot or electronics project gather information about the world around it using our wide selection of sensors.

RC Interface

Electronics components that have interfaces for standard hobby servo RC pulses, such as our RC switch, RC multiplexer, and TReX motor controllers.



Wireless

Radio, wireless communication, and GPS modules.

Electronics Prototyping

Wires, solderless breadboards, prototyping PCBs, voltage regulators, our pushbutton power switch, and more!

Regulators and Power Supplies

Ensure your project gets the voltage it needs with these voltage regulator boards and wall-adapter power supplies.



LEDs

Discrete LEDs and RGB LED modules for use in indicators and displays.

Audio

Give your robots and electronics projects some character with these high-quality, compact buzzers and speakers, and detect and record sounds with our selection of microphones and voice recorders.

Connectors

Cleanly connect wires and modules to each other with our various connectors.



Pololu



Switches, Buttons, and Relays

An assortment of switches, buttons, and relays that can serve as user-interface elements, tactile sensors, power switches, and more.

Discrete Components

A variety of electronic parts you'll need for your projects, including integrated circuits, a large assortment of connectors and headers, and more!



Pololu

Cables and Wire

Servo extension cables, USB cables, jumper wire kits, and more!



Batteries

Power your robots and electronics projects with our assortment of batteries and battery packs.



Electronics

See our unique assortment of electronic parts for your robotics and other projects. This section includes our Orangutan robot controllers, motor and servo controllers, discrete components, and electronics kits.



Motors and Gearboxes

Our wide selection of DC motors, geared DC motors, and stepper motors will help you find the perfect blend of torque and speed for your project.



RC Servos

Radio control hobby servos in a variety of sizes. With integrated motor-control circuitry and position feedback, servos are an easy way to add controlled motion to your robotics or electronics project. Whatever your application, we probably have a servo for it!

Wheels, Tracks, and Ball Casters

We offer a large variety of wheels, tracks, and ball casters to help you get your project rolling.

Hardware

The nuts and bolts for your project.



Pololu



Tamiya Products

Tamiya manufactures a wide range of inexpensive hobby and educational products, including gearbox kits, wheels, and robot kits.

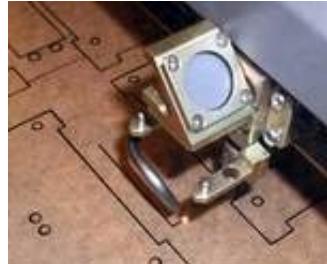


Combination Deals

Save money and make ordering easier with these bundles of items that are commonly used together.



Pololu



Tools

You can't build robots without a few basic tools, including a soldering iron and diagonal cutters.

Services

We offer custom laser cutting of 2-D parts from plastics, woods, and other materials, as well as custom laser cutting of mylar surface-mount (SMT) solder stencils.



Shirts

Express your love of robotics with a Pololu T-shirt!