Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Propeller Activity Kit Parts

Product ID: **130-32950**

Overview

Pair this bundle of Propeller Activity Kit Parts with a Propeller Activity Board and programming cable (not included), and you will have all of the electronic components needed to complete the activities in the "What's a Multicore Microcontroller?" text.

This parts kit includes a selection of input sensors, output devices, integrated circuits, and passive components for creating a wide variety of circuits on your Activity Board. Build your electronics skills and learn to use these common components with the circuit-building and C-language programming exercises included in the "What's a Multicore Microcontroller" text. Chapters 1 to 6 are available now as a free preview PDF download in advance of the full version release later this year.

Key Features:

Build simple circuits with schematics and wiring diagrams
Write programs in Propeller C to control the circuits
Send signals by blinking LEDs
Sense contact with pushbuttons
Read a control knob using a potentiometer
Measure light with a phototransistor
Control motion with a servo motor
Play tunes on a piezo speaker
Play WAV files from a microSD Card
Display data on a 7-segment LED
Combine several of the above circuits to prototype an invention

Note: Propeller Activity Board (#32910) and USB A to Mini B programming cable (#805-00006) required; not included.

Note: The "What's a Multicore Microcontroller?" text is still a work-in-progress. Chapters 1-6 are currently available to preview as a free PDF download (in Downloads and Documentation, below). The full version will become available at a later date.

Kit Contents:

(1) - 2 GB MicroSD Card (#32319)
(1) - 4-cell AA Battery Pack (#700-00038)
(10) - 1 k-ohm 1/4 W 5% resistor (#150-01020)
(4) - 10 k-ohm 1/4 W 5% resistor (#150-01030)
(2) - 100 k-ohm 1/4 W 5% resistor (#150-01040)
(2) - 2 k-ohm 1/4 W 5% resistor (#150-02020)
(1) - 220 ohm 1/4 W 5% resistor (#150-02210)
(1) - 470 ohm 1/4 W 5% resistor (#150-04710)
(2) - 0.01 μF poly capacitor (#200-01031)
(2) - 0.1 μF ceramic capacitor (#200-01040)
(1) - 1000 μF electrolytic capacitor (#201-01080)
(1) - 3300 μF electrolytic capacitor (#201-03080)
(1) - 10 k-ohm single-turn potentiometer (#152-01031)
(2) - Green LED (#350-00001)
(1) - Bi-color LED (#350-00005)
(2) - Red LED (#350-00006)
(2) - Yellow LED (#350-00007)
(1) - Phototransistor (#350-00029)
(1) - 7-segment LED display (#350-00037)
(2) - Pushbutton tact switch (#400-00002)
(1) - 3-pin Header (#451-00303)
(1) - 2N3904 transistor (#500-00001)
(1) - 10 k-ohm digital potentiometer AD5220 (#604-00010)
(2) - 3-inch jumper wires, bag of 10 (#800-00016)
(1) - Piezo speaker (#900-00001)
(1) - Parallax Standard Servo (#900-00005)