



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





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chipKIT™ Starter Kit

Part # 240-064-KIT
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The chipKIT Starter Kit provides a wide range of sensors, actuators, and electronic components at a remarkably low cost, enabling the construction of an endless array of projects that can serve to inform beginners or empower experts. The kit has been designed for use with our chipKIT™ boards, 32-bit microcontroller-based platforms that are compatible with much of the existing Arduino code base, reference material, and other resources.

The kit's parts have been selected to facilitate the creation of fun, useful, and entertaining projects, while at the same time facilitating the exploration of multiple disciplines, from optics to mechanics, from electrical engineering to computer science. Projects can range from as simple as blinking LEDs, to performing tracking based on optical information, to much more!

Note: This kit can be bundled along with a chipKIT™ Uno32, Max32, WF32, or uC32 for a discount!

Complete parts list:

Qty.	Description:
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Integrated Circuits:

2	IC TCA0372, Op Amp, dual, 1A, DIP8
1	IC NE555P, Timer, DIP8
1	IC MCP4902-E/P
1	IC Darlington pair array, HV, DIP18
1	IC L293DNE, motor driver, Quad half-bridge, DIP16
1	IC MCP9700-E/TO, thermal sensor, 2.3V, TO-92
1	IC MCP6546-E/P
1	IC SN74HC4851N, MUX/DEMUX, 8x1, DIP16
1	IC 74HC7014N,112; buffer, hex schmitt trigger, DIP14
3	IC SN74HC595N, 8 bit shift register, DIP16
1	IC MCP23008-E/P
1	IC SN74HC139N, decoder/DEMUX, DL 2-4L, DIP16
1	IC UA78L05ACLPR, 5V regulator, 100ma, TO-92

Active Components:

4	Transistor ZVN2110A, N-FET
4	Transistor ZVP2110A, P-FET
4	Diode 1N4001, rectifier, 50PIV, 1A DO-41

Sensors:

1	Thermistor 10K ohm, %5 NTC 450mW, radial
1	Sensor Piezo sensor, 1.4 V/g, SPST, solder lug
2	Sensor 5K-20K ohm photocell, 4.20mm
1	Photo Transistor QSC114, IR Photo Trans, T1, 880nm

Opto-Electronics:

1	Display LED, 7-segment, 4 digit, CA, 0.56, hi-bright
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Qty.	Description:
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Electro-Mechanical:

1	Speaker Buzzer, 3.1KHz, 4-6V, Ext Drv, PCB Mount
1	Mechanical 1/102 DC motor
1	Mechanical TPRO Servo SG92R
1	Mechanical Stepper motor, 5V
4	Switch TSA12111, 12mm SPST button
4	Switch SPST, momentary push button, PC mount
4	Switch SPDT, slide, PC mount
4	Potentiometer 10K ohm w/thumbwheel
1	Relay JZC-11F-5VDC-1Z Relay

Passive Components:

1	Inductor TK4460-ND, FIXED 1000UH TYPE 8RHB
10	Capacitor 0.01uF, ceramic disc, radial
10	Capacitor 0.1uF, ceramic disc, radial
5	Capacitor 10uF, electrolytic, 50V, radial
25	Resistor 10K ohm, carbon film, 1/4W, 5%
25	Resistor 220 ohm, resistor, axial, 1/4W, 5%
2	Resistor FSR 402 round force sensing resistor, circ w/tab
3	Resistor 1.0M ohm, carbon film, 1/4W, 5%
3	Resistor 10 Mohm Resistor, axial, 1/4W, 5%

Accessories:

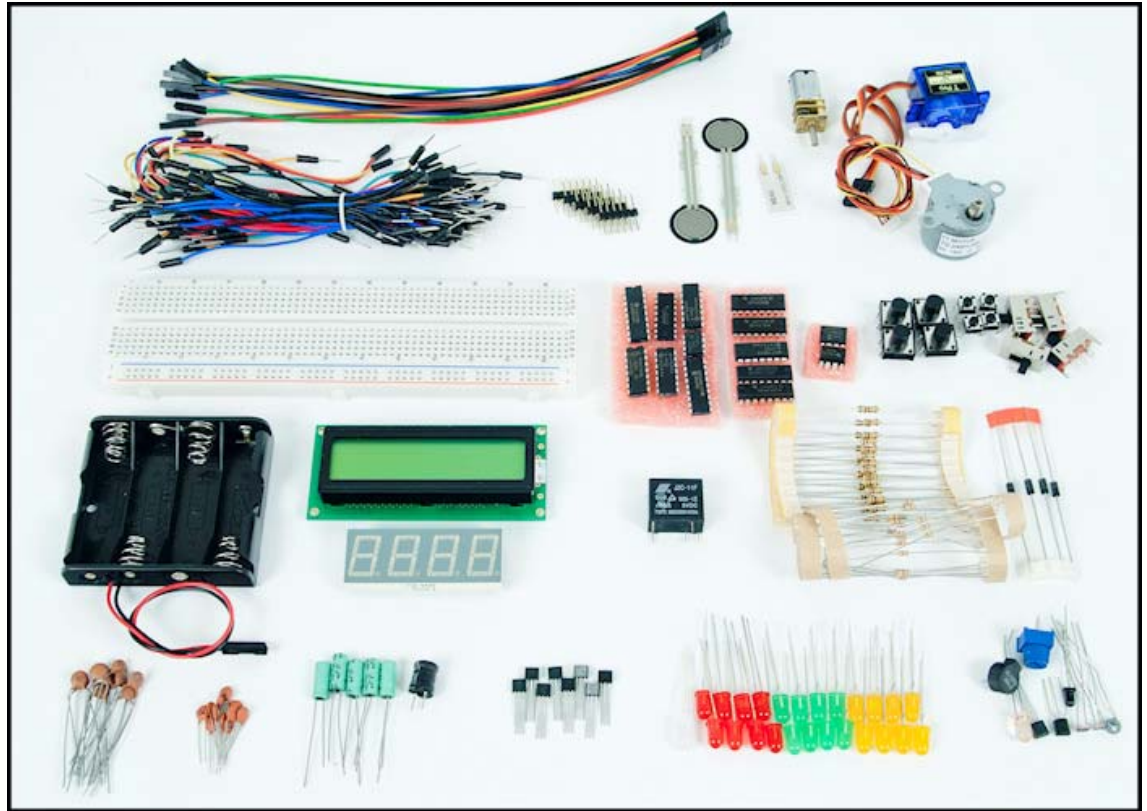
1	Wire Kit 70 piece, 22AWG Round Tips
2	Cable, 22AWG, 1x6 pin Red-Black-Yellow-Blue-Green-Brown
1	Kit 6 Pin Male header, 5 Pack
1	Battery Holder 4xAA Battery Holder, Wire Leads, 2 Pin MTE
1	Solderless Breadboard 1030 Tie-Point



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Qty.	Description:
1	Display LCM-S01602DSF (SC1602ZS*B-XA-GS-G01), 16x2 character, no backlight
1	LED Straw hat Tricolor LED
12	LED Orange/yellow, T 1-3/4
12	LED Green, T 1-3/4
12	LED Red, T 1-3/4, with flange
1	LED QED123, IR Emitter, T 1-3/4, 880nm

Qty.	Description:
1	Box E-201 Component Box



Digilent, Inc. | P.O. Box 428 Pullman, WA 99163-0428 | (509) 334-6306 (voice) (509) 334-6300 (fax) | [Contact us](#)