imall

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





SparkFun mbed Starter Kit

KIT-14458 RoHS Open Source Hardware



DESCRIPTION

The SparkFun mbed Starter Kit (mSK) is a great way to get into user-created projects created by ARM to assist with rapid prototyping on microcontrollers. The mSK, which utilizes the LPC1768 by ARM, includes everything you need to complete 10 circuits that will teach you how to create a USB host, draw text and shapes on an LCD, log temperature data and more. We recommend that you do have some previous programming or electronics experience before using this kit.

The online mSK Experiment Guide (in the Documents tab) contains step-by-step instructions for how to connect each circuit with the included parts. Full example code is provided and explained and even includes Fritzing diagrams and the required components.

The kit does not require any soldering and is recommended for anyone with an intermediate to advanced knowledge of programming. We've essentially designed this kit to be the next step up from the SparkFun Inventor's Kit (SIK). So if you are looking for a new challenge, check out the mbed Starter Kit!

INCLUDES

•	mbed - LPC1768 (Cortex-M3) (with USB cable)
•	White Solderless Breadboards
•	Serial Miniature LCD Module – 1.44" (with Hookup cable)
•	TRRS 3.5mm Jack Breakout (with headers)
•	Triple-Axis Accelerometer Breakout – MMA8452Q (with headers)
٠	microSD Transflash Breakout (with headers)
٠	USB Type A Female Breakout (with headers)
•	USB Mini-B Breakout (with headers)
٠	RJ45 Ethernet MagJack Breakout (with headers)
٠	16GB microSD Card with SD Adapter (Class 10)
٠	microSD USB Reader
•	Speaker – PCB Mount
٠	TMP36 Temp Sensor
٠	Transistor – NPN (2N3904)
٠	Jumper Wires
٠	CAT 6 Cable – 3ft
٠	Tri-color LED
•	Big 12mm Buttons
٠	330 and 10K Resistors

EXAMPLES

Circuit 1: Blink an LED • • Circuit 2: Buttons and PWM Circuit 3: Graphic LCD • Circuit 4: Accelerometer • Circuit 5: Internet Clock • • Circuit 6: USB Host and Threading Circuit 7: USB Device • Circuit 8: Temperature Logging • Circuit 9: PWM Sounds • Circuit 10: Hardware Soundboard •