



## INCLUDES

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| • 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) |
| • microSD Transflash Breakout (with headers)                   |
| • USB Type A Female Breakout (with headers)                    |
| • USB Mini-B Breakout (with headers)                           |
| • RJ45 Ethernet MagJack Breakout (with headers)                |
| • 16GB microSD Card with SD Adapter (Class 10)                 |
| • microSD USB Reader   |
| • Speaker – PCB Mount  |
| • TMP36 Temp Sensor  |
| • Transistor – NPN (2N3904)                                    |
| • Jumper Wires   |
| • CAT 6 Cable – 3ft  |
| • Tri-color LED  |
| • Big 12mm Buttons   |
| • 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   |