

## Technical Specifications

| Feature                         |  | MCB2470     |
|---------------------------------|--|-------------|
| Board                           |  |             |
| MCU Vendor                      |  | NXP         |
| MCU                             |  | LPC2478     |
| XTAL                            |  | 12 MHz      |
| ARM Processor                   |  | ARM7TDMI    |
| MCU Clock                       |  | 72 MHz      |
| Prototyping Area                |  | ✓           |
| Dimensions<br>(inches)          |  | 5.90 x 8.10 |
| Dimensions<br>(mm)              |  | 150 x 205   |
| Memory                          |  |             |
| On-Chip RAM                     |  | 96K         |
| On-Chip FLASH                   |  | 512K        |
| External RAM                    |  | 32K         |
| External Flash                  |  | 128M        |
| I/O                             |  |             |
| Push Buttons                    |  | 6           |
| I/O Port LEDs                   |  | 8           |
| Analog Input<br>(Potentiometer) |  | ✓           |
| Analog Output<br>(Speaker)      |  | ✓           |
| Serial Ports                    |  | 1           |
| CAN Ports                       |  | 1           |
| USB Device Interface            |  | ✓           |
| USB Host/OTG                    |  | ✓           |
| Ethernet Interface              |  | 10/100      |
| SD Card Interface               |  | ✓           |
| LCD                             |  | QVGA        |
| Debug Interface                 |  |             |
| JTAG Interface                  |  | ✓           |
| ETM Interface                   |  | Optional    |
| 20-pin JTAG Connector           |  | ✓           |
| Power                           |  |             |
| Connector                       |  | USB or Plug |