



TINYLILY ACCELEROMETER

ASL2002

DESCRIPTION

This TinyLily Sewable sensor board features the high performance and low power Bosch BMA250 3-axis accelerometer. The BMA250 allows measurement of accelerations in three perpendicular axes and thus senses tilt, motion, shock, and vibration in your projects. There is also an integrated temperature sensor built in.

Even though the BMA250 is designed to run at 1.8V – the Accelerometer TinyShield incorporates level shifters and a local power supply to ensure proper and safe operation over the entire TinyDuino operating voltage range up to 5V.

TECHNICAL DETAILS

- Washable
- Four Sewtabs – 1.2mm in diameter, easy to use with standard conductive thread and needles
- Robust Gold Finish – makes soldering easy and is non-corrosive

Power Requirements

- Voltage: 3.0V - 5.5V

Dimensions

- Dimensions: 14mm diameter(0.0.55 inches)
- Max Height: 2.5mm (0.1 inches)
- Ultra-thin 0.61mm (0.024 inches) PCB
- Weight: .305 grams (0.0108 ounces)

DOWNLOADS

- **Schematic**
- **Eagle Files**