





## **Commercial Integrated Circuit Accelerometer** The ADXL326 is a small, low power, complete 3-axis accelerometer with signal conditioned voltage outputs. The product measures acceleration with a minimum fullscale range of $\pm 16 g$ . It can measure the static acceleration of gravity in tilt-sensing applications, as well as dynamic acceleration resulting from motion, shock, or vibration. The user selects the bandwidth of the accelerometer using the $C_X$ , $C_Y$ , and $C_Z$ capacitors at the $X_{\text{OUT}},\,Y_{\text{OUT}},$ and $Z_{\text{OUT}}$ pins. Bandwidths can be selected to suit the application with a range of 0.5 Hz to 1600 Hz for X and Y axes and a range of 0.5 Hz to 550 Hz for the Z axis.

## **Accelerometer Board**

This breakout board comes with 3 analog outputs for X, Y and Z axis measurements. The ADXL326 is the latest and greatest from Analog Devices, known for their exceptional quality MEMS (Micro-Electro-Mechanical Systems) Micro-devices. The Vin input takes up to 5V and regulates it to 3.3V. The analog outputs are ratiometric: that means that 0g measurement output is always at half of the 3.3V output (1.65V), -16g is at 0v and 16g is at 3.3V with linear scaling in between.



























