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[MIKROE-254](#)

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ACCEL BOARD™

Manual

All Mikroelektronika's development systems feature a large number of peripheral modules expanding microcontroller's range of application and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.

Additional Board

The MikroElektronika logo consists of a red square containing a white stylized 'M' and 'E' symbol, followed by the word 'MikroElektronika' in a bold, red, sans-serif font.

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SOFTWARE AND HARDWARE SOLUTIONS FOR EMBEDDED WORLD ...making it simple

ACCEL Board

The *Accel Board* is an additional board used to measure the force of gravity and acceleration, to detect rotation, etc.

Key features:

- 3-axis sensing;
- Power supply voltage 5V DC; and
- Low-power consumption.

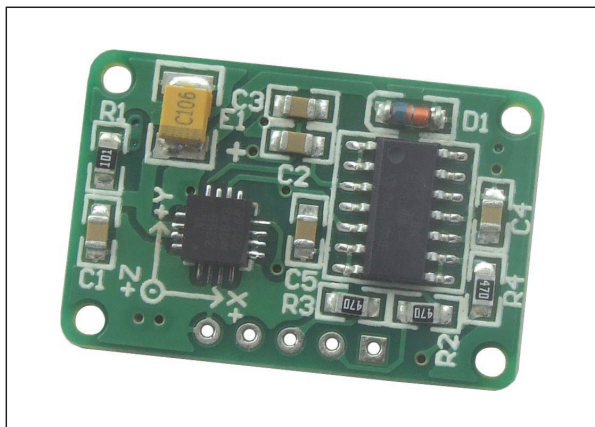


Figure 1: Accel Board

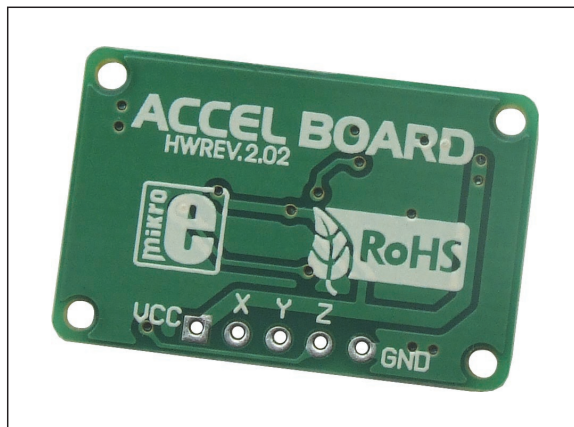


Figure 2: Back side of the Accel Board

How to connect the board?

The *Accel Board* is connected to the microcontroller or some other device via pads. To make the connection easy all the pads are clearly marked on the back of the board.

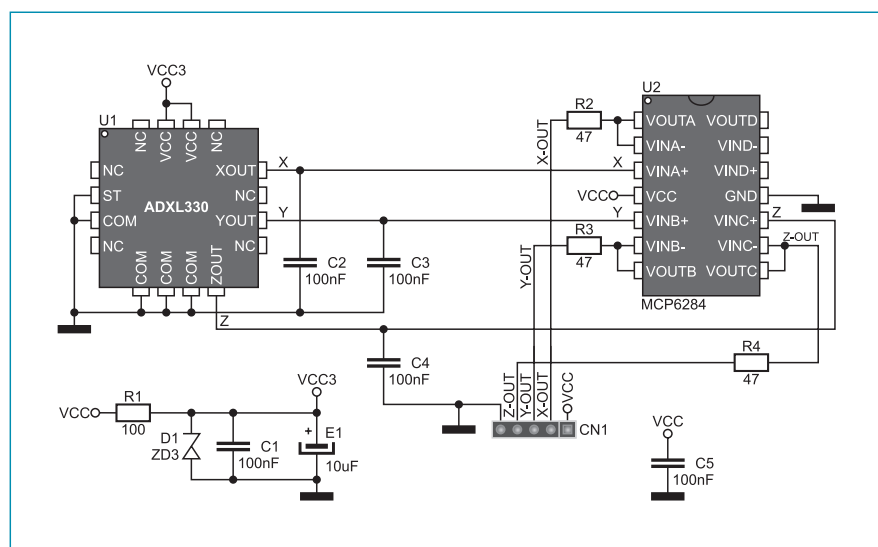


Figure 3: Accel Board connection schematic

The function of the additional board's pins:

- | | |
|-----|------------------------------|
| X | - X axis output |
| Y | - Y axis output |
| Z | - Z axis output |
| VCC | - 5V DC power supply voltage |
| GND | - Ground |



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EEES

Distributor of MikroElektronika: Excellent Integrated System Limited
Datasheet of MIKROE-254 - BOARD 3-AXIS ACCELEROMETER

If you want to learn more about our products, please visit our website at www.mikroe.com

If you are experiencing some problems with any of our products or just need additional information, please place your ticket at www.mikroe.com/en/support

If you have any questions, comments or business proposals, do not hesitate to contact us at office@mikroe.com