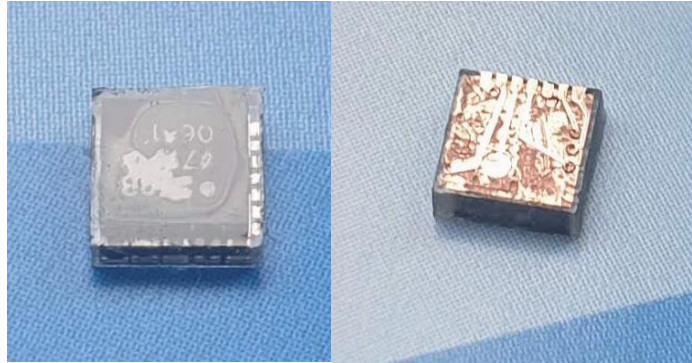


3D-CSP Accelerometer Module

Smallest Accelerometer Module (3.7 x 3.7 x 1.2 mm³)



Accelerometer module with ADXL372 (3.7 x 3.7 x 1.2 mm³)

FEATURES

- 3-Axis MEMS accelerometer
- ± 200 g measurement range with digital output
- 200 Hz to 3.2 MHz user selectable bandwidth with 4-pole antialiasing filter
- Selectable oversampling ratio
- Adjustable high-pass filter
- Ultralow power
 - Power can be derived from a coin cell battery
 - 22 μ A at 3.2 MHz ODR, 2.5 V supply
 - Low power, wake-up mode for low g activity detection
 - 1.4 μ A instant on mode with adjustable threshold <0.1 μ A standby mode
- Built in features for system level power savings
 - Autonomous interrupt processing without processor intervention
 - Deep embedded FIFO to minimize host processor load
- Ultralow power event monitoring detects impacts and wakes up fast enough to capture the transient events
- Ability to capture and store peak acceleration values of events
- Adjustable, low g threshold activity and inactivity detection
- Wide supply range: 1.6 V to 3.5 V
- Acceleration sample synchronization via external trigger
- SPI digital interface and limited I²C interface format support
- 12-bit output at 100 mg/LSB scale factors

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