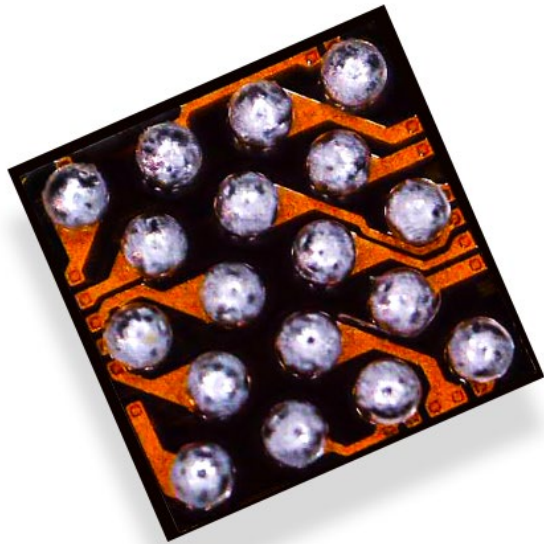


This time we were first

Pioneer in single chip, multi-sensor solutions.
Two decades of capacitive sensing and LED driver expertise.

MEET THE WEARMAX® CHIP

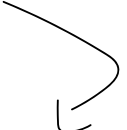


MEET THE WEARMAX[®] CHIP

The IQS7223 chip is a sensor fusion device for various long-term wear or presence detection purposes. The sensor is fully I2C compatible and on-chip calculations enable the IC to respond effectively even in lowest power modes.

[IQS7223A >](#)

Check out
the applications





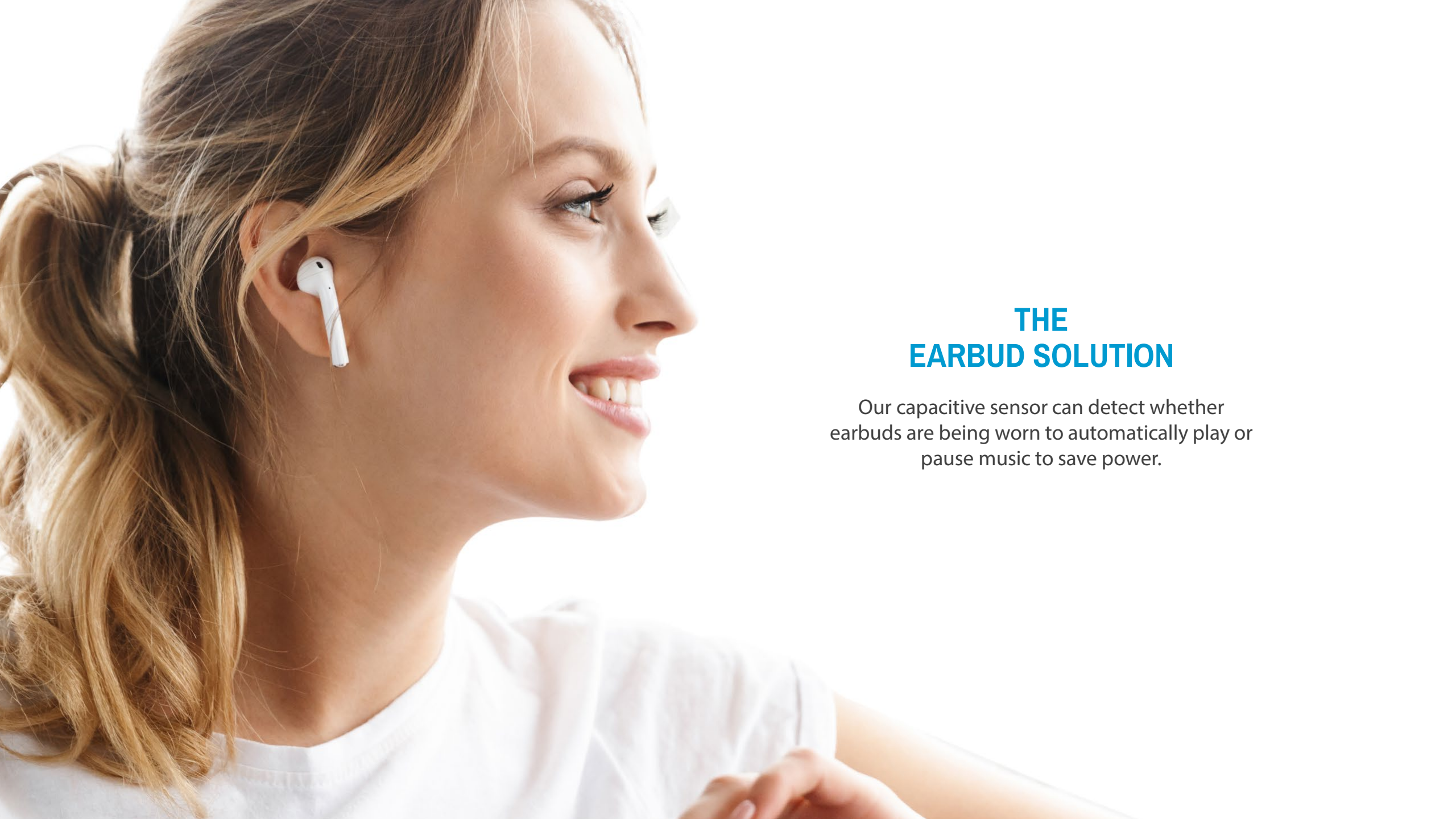
THE HEADPHONES SOLUTION

Detect whether headset is in use to automatically play or pause sound and save power.

THE WEARABLE SOLUTION

Detect whether the wearable is being worn to automatically save power. Includes a reference channel and on-chip temperature tracking to compensate for any temperature or humidity drift that might influence capacitive sensing.





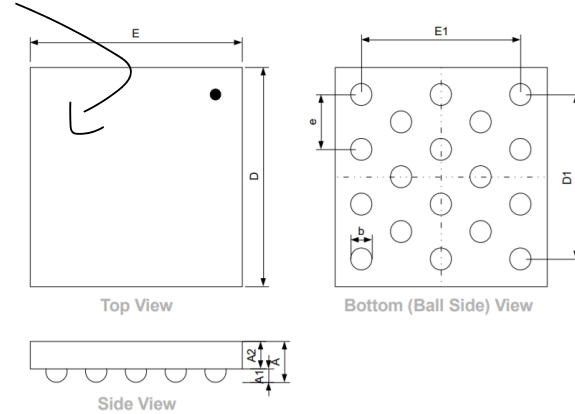
THE EARBUD SOLUTION

Our capacitive sensor can detect whether earbuds are being worn to automatically play or pause music to save power.

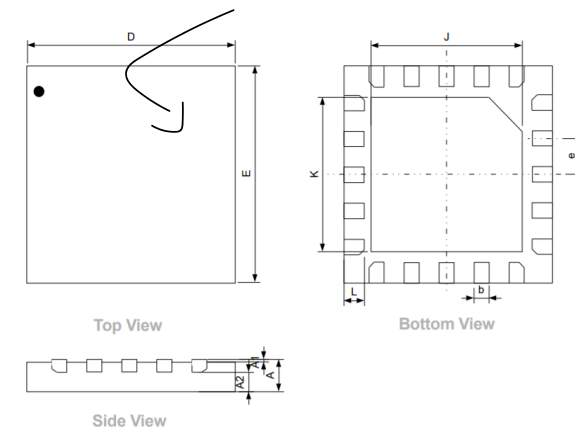
THE SPECS

- > Highly flexible ProxFusion® device
- > 9 sensor pad connections (QFN-20) / 8 sensor pad connections (WLCSP-18)
- > Dedicated WearMax™ Sensor implementation for optimal wear / presence detection
- > Built-in basic functions:
 - Dedicated Intelligent Wear Output
 - Differential measurements (Advanced reference channel capabilities)
 - Automatic tuning
 - Noise filtering
 - Debounce & hysteresis
- > Design simplicity
 - PC Software for debugging and obtaining optimal settings and performance
 - One-time programmable settings for custom power-on IC configuration
 - Auto-run from programmed settings for simplified integration

WLCSP18



QFN20



[DATASHEET >](#)

We would love to get in touch

Let us know what you have in mind.
We have a passion for designing new solutions for your
awesome tech.

[TALK TO US >](#)

THE OTHER CHIPS



The
Appliance Chip



The
Trackpad Chip



The
Earbud Chip



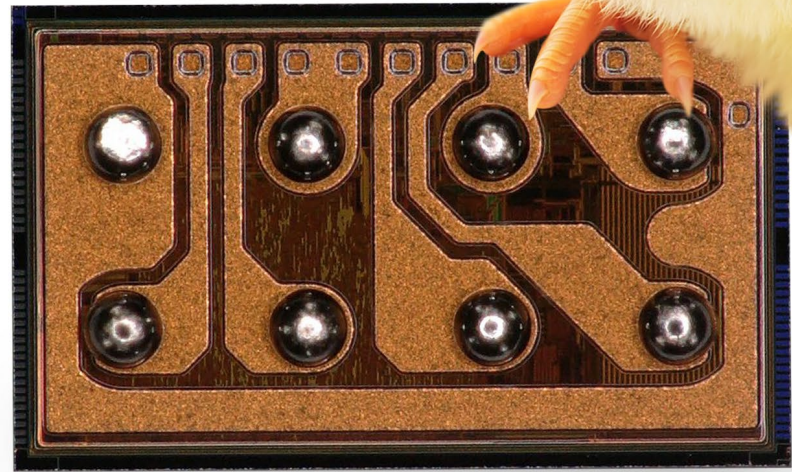
The
Keypad Chip



The
Champion Chip



The
Wearable Chip



 **Azoteq**