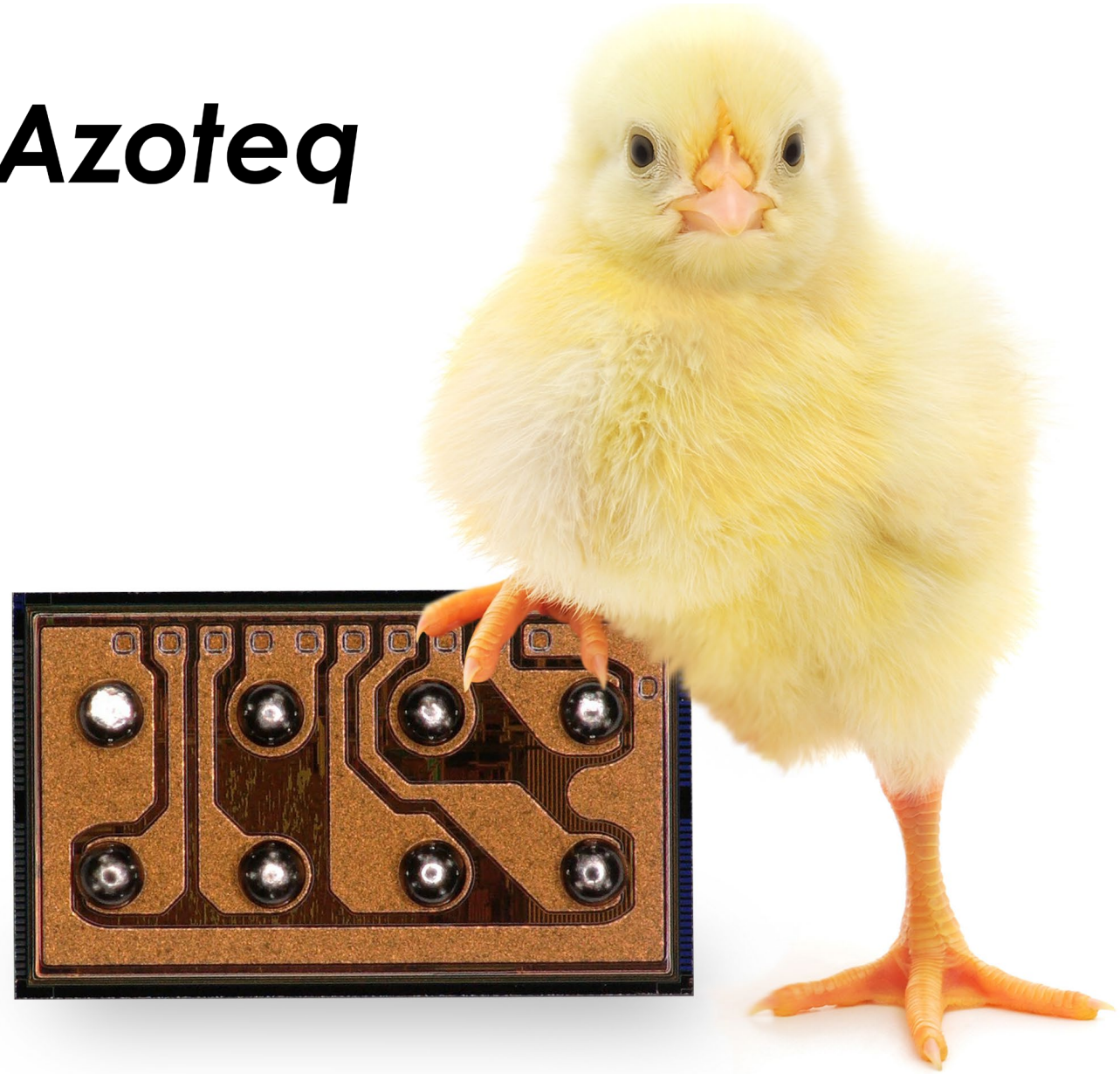
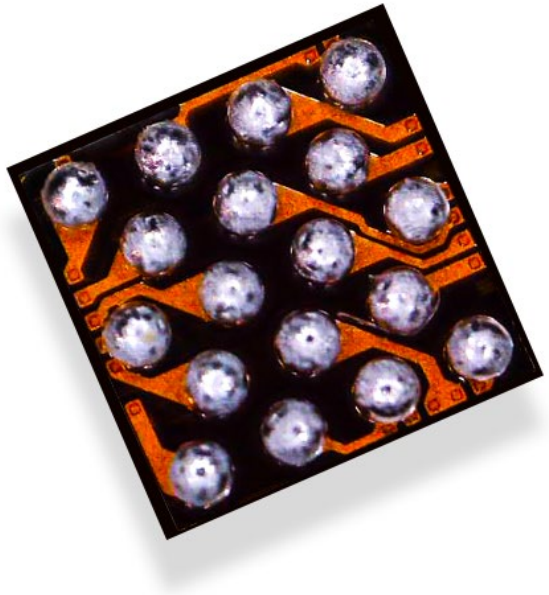
Azoteq



This time we were first

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

MEET THE TRACKPAD CHIP



MEET THE TRACKPAD CHIP

The IQS7211 IC is a 32-channel touchpad controller IC targeted at the consumer goods market. It can be used to design a full trackpad or touchscreen with low power consumption.

IQS7211A >

Check out the applications

THE
WEARABLE TOUCHSCREEN

Design a small touchscreen for fitness trackers or smart watches. Our chip is known for being cost effective and low power.

THE
EARBUD TRACKPAD

You can design an 8mm diameter trackpad for your earbuds to increase volume or skip tracks with a simple swipe.

VIDEO >

THE HEADPHONES TRACKPAD

Add a simple gesture area to your headphones to allow users to touch-to-mute, swipe to increase volume, or tap-and-hold to hold a call.

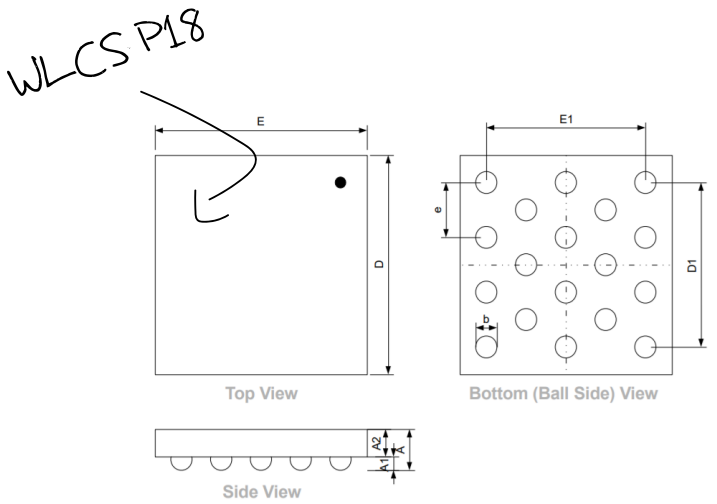
THE
GAMING CONTROLLER TOUCHPAD

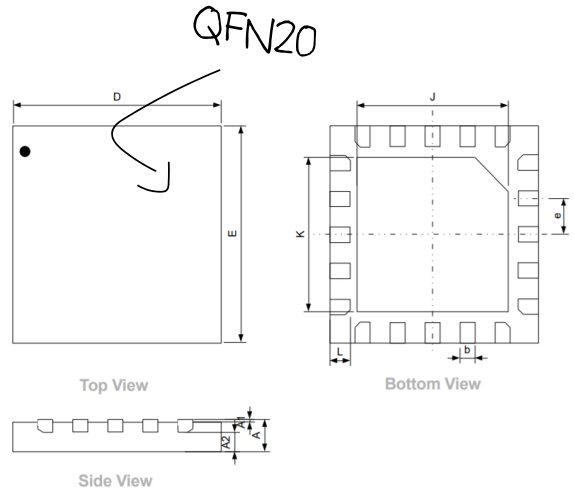
Design a small trackpad that detects swipes for easy menu navigation or weapon change.

THE SPECS

- > High resolution coordinate outputs
- > Fast response: Coordinate report rate up to 100Hz
- > Individual sensor touch (for up to 32 touch key applications)
- > Integrated touch size output (area and strength) for touch integrity
- > Gesture recognition engine
- > Electrode mapping for optimal PCB layout
- > Configurable coordinate resolution and orientation
- > Compatible with wide range of overlay materials and thicknesses
- > Compatible with multiple 1- and 2- layer sensor patterns
- > Adjustable sensing frequency offset for limiting potential display interference
- > No calibration required – systems automatically compensated for mechanical and temperature changes

	WLCSP18	QFN20
Rectangular Trackpad	7 x 3	8 x 4
Square Trackpad	5 x 5	6 x 5





DATASHEET >

THE EVALUATION KIT

ORDER NOW >

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 >

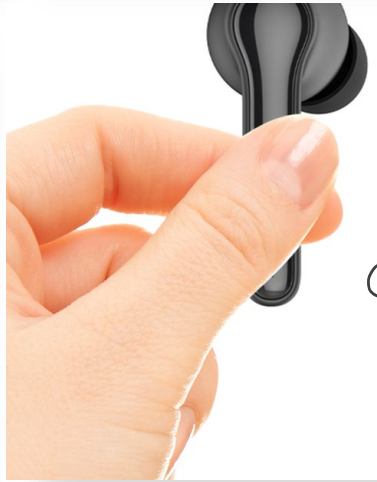
THE OTHER CHIPS

The WearMax™ Chip

The Keypad Chip

The Earbud Chip

The Appliance Chip



The Champion Chip

The Wearable Chip

Azoteq