Flick Zero Technical Description

- Chip: [MGC3130](#) 3D Tracking and Gesture Controller
- Detection range: 0 to 15 cm in ideal circumstances
- Temperature Range: -20℃ to +85℃
- Position Rate: 200 positions/sec
- Spatial Resolution: up to 150 dpi
- Proximity and Touch Sensing
- Compatible with the [Hillstar Development Kit](#) over USB on PC in order to use with a computer or to program new firmware onto the board.
- Available gestures: Swipe (east to west, west to east, north to south, south to north), tap and double tap (center, east, west, north, south) and airwheel (clockwise, anti-clockwise)
- Works even through the Flick Zero case
- No detection blind spots
- Low–power design

Flick HAT Technical Description

- Chip: [MGC3130](#) 3D Tracking and Gesture Controller
- Detection range: 0 to 15 cm in ideal circumstances
- Temperature Range: -20℃ to +85℃
- Position Rate: 200 positions/sec
- Spatial Resolution: up to 150 dpi
- Proximity and Touch Sensing
- Compatible with the [Hillstar Development Kit](#) over USB on PC in order to use with a computer or to program new firmware onto the board.
- Available gestures: Swipe (east to west, west to east, north to south, south to north), tap and double tap (center, east, west, north, south) and airwheel (clockwise, anti-clockwise)
- Works even through the Flick HAT case
- No detection blind spots
- Low–power design

Flick Large Technical Description

- Chip: [MGC3130](#) 3D Tracking and Gesture Controller
- Detection range: 0 to 15 cm in ideal circumstances

- Temperature Range: -20℃ to +85℃
- Position Rate: 200 positions/sec
- Spatial Resolution: up to 150 dpi
- Proximity and Touch Sensing
- Flick Large has a red/green dual colour LED that can be driven using pins LED1 and LED2
- Flick Large has level shifting on board so can work with any microcontroller with either 5V or 3V3 power and data signals
- Compatible with the [Hillstar Development Kit](#) over USB on PC in order to use with a computer or to program new firmware onto the board.
- Available gestures: Swipe (east to west, west to east, north to south, south to north), tap and double tap (center, east, west, north, south) and airwheel (clockwise, anti-clockwise)
- Works even through the Flick Large case
- No detection blind spots
- Low–power design