

▼ Movement & Distance Breakouts

Ultrasonic Distance Sensor



A proximity/distance sensor for object avoidance in applications from robotics to car parking. 5V DC. 20-4500mm detection distance with 3mm resolution.

| Price Each | RRP | 2+ | 4+ |
|------------|------|------|------|
| Z 6322 | 7.95 | 7.15 | 6.35 |

ADXL345 3 Axis Accelerometer



The ADXL345 is well suited for mobile device applications. It measures the static acceleration of gravity in tilt-sensing applications, as well as dynamic acceleration resulting from motion or shock. Its high resolution (4 mg/LSB) enables measurement of inclination changes less than 1.0°. 3-5V DC input. Acceleration range: +/- 2g to 16g.

| Price Each | RRP | 2+ | 4+ |
|------------|-------|-------|------|
| Z 6321 | 11.95 | 10.95 | 9.95 |

LSM303D 3 Axis Compass & Accelerometer



A handy movement and orientation module in a single sensor, utilising the popular LSM303D chip. Includes unsoldered headers. 3-5V input.

| Price Each | RRP | 2+ | 4+ |
|------------|-------|-------|-------|
| Z 6391A | 14.95 | 13.50 | 12.00 |

L3G4200D 3 Axis Gyroscope



3-axis gyroscope, providing very high resolution (16 bit) measurements at up to 2000 dps. Measures how much your device is rotating around three axes within a selectable range. Ideal for gaming, and robotics applications. Includes headers. 3-5V input.

| Price Each | RRP | 2+ | 4+ |
|------------|-------|-------|-------|
| Z 6371 | 19.95 | 17.95 | 15.95 |

3 Axis Magnetic Sensor Module

A high performance magnetic field sensing module for use in solid state navigation & compassing equipment in automotive, marine & aeronautic applications.



SPECIFICATIONS

| | |
|--------------------------|---------------------------|
| Operating voltage: | 3.0V DC |
| Field measurement range: | -11 to +11 Gauss |
| Current draw: | 0.6mA |
| Sampling rate: | Up to 2000 samples/second |

| Price Each | RRP | 4+ | 8+ |
|------------|------|------|------|
| Z 6300 | 9.95 | 8.95 | 7.95 |

Magnetic Sensor Breakout

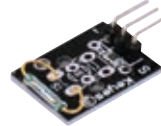
Utilises the 44E hall effect sensor for contactless magnetic switching. Output drops to ground when triggered. 4.5-24V input. 26L x 15Wmm.



| Price Each | RRP | 2+ | 4+ |
|------------|------|------|------|
| Z 6367 | 4.95 | 4.50 | 4.00 |

Reed Switch Sensor Breakout

A non-contact normally open switch which operates via a nearby magnetic field. Connects to a digital input on an Arduino board.

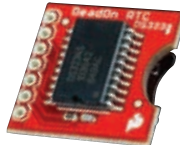


| Price Each | RRP | 2+ | 4+ |
|------------|------|------|------|
| Z 6396 | 7.95 | 7.20 | 6.40 |

▼ Datalogging Breakouts

DeadOn RTC - DS3234

The real time clock (RTC) maintains seconds, minutes, hours, day, date, month, and year information. Requires CR1220 button cell for battery backup.



| Price Each | RRP | 4+ |
|------------|-----|-------|
| Z 6206 | | 29.95 |

DS1302 Real Time Clock Module

This RTC maintains seconds, minutes, hours, day, date, month, and year information. Requires CR2032 for battery backup.



| Price Each | RRP | 4+ | 8+ |
|------------|------|------|------|
| Z 6207 | 9.95 | 9.00 | 8.00 |

USB Host Shield



Allows you to connect USB peripherals and mass storage devices to your Arduino. Uses the MAX3421E chipset. Fitted with stackable connectors.

| Price Each | RRP | 2+ | 4+ |
|------------|-------|-------|-------|
| Z 6342 | 39.95 | 35.95 | 31.95 |

Datalogger Shield



An SD card module fitted with a DS1307 real time clock for recording data to mass storage. Battery backup is provided so no data is lost even if power is removed. Battery included. 5V input. Standard Arduino stackable shield dimensions.

| Price Each | RRP | 2+ | 4+ |
|------------|-------|-------|-------|
| Z 6380 | 19.95 | 17.95 | 15.95 |

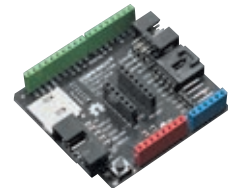
SD/MMC Card Breakout



A simple SD card interface for adding mass storage to your project for access to files or datalogging. Pinout is Arduino compatible, but can be used with most other microcontrollers. 3.3/5V input. 30W x 50Lmm.

| Price Each | RRP | 2+ | 4+ |
|------------|------|------|------|
| Z 6353 | 5.95 | 5.35 | 4.75 |

DFRobot Interface Shield



Supports multiple interfaces such as SPI interface, IIC Interface, Micro SD card interface, SD card storage module interface, TLC full-color LED controller module. Standard shield pin layout.

| Price Each | RRP |
|----------------|-------|
| Z 6500 DFR0074 | 29.00 |

▼ Displays & LEDs

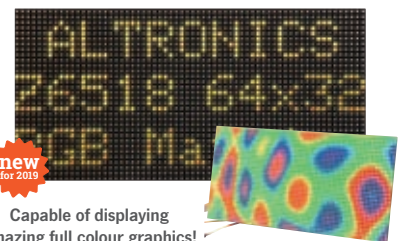
7 Segment 4 Digit Driver Shield Kit



(Designed by Altronics) This 4 digit common anode driver board is ideal for building an Arduino controlled clock or counter. It features two on board 74HC595 chips which can be easily driven using Arduino ShiftOut. It utilises all through hole components for easy construction. Build yourself a sales counter, a 'now serving' counter or just a regular time clock. Standard shield dimensions.

| Price Each | RRP | 2+ |
|------------|-------|-------|
| K 9700 | 25.95 | 23.00 |

64x32 RGB LED Matrix Panel



Capable of displaying amazing full colour graphics!

Huge RGB LED panels for signage & visual design projects. These panels can be daisy chained to additional modules as required. Viewing distance 6-52m. Suitable for connection to Arduino Raspberry Pi etc. Includes IDC output & power cables. 5V input, 4A max current (all LEDs on).

| Price Each | RRP | 2+ | 4+ |
|----------------------------|-------|-------|-------|
| Z 6517 32 x 32 (192x192mm) | 59.00 | 53.25 | 47.25 |
| Z 6518 64 x 32 (384x192mm) | 99.00 | 89.00 | 79.00 |