



## KEYESTUDIO KS-EASY-PLUG Modules

Keyestudio's Main Page: [https://wiki.keyestudio.com/index.php/Main\\_Page](https://wiki.keyestudio.com/index.php/Main_Page)

Module Name	Brief:	Links to the instruction pages:
ks0100 Piranha LED Module	White square LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0100_keyestudio_EASY_plug_Piranha_LED_Module">https://wiki.keyestudio.com/Ks0100_keyestudio_EASY_plug_Piranha_LED_Module</a>
ks0100 White LED Module	White round 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0100_keyestudio_EASY_plug_White_LED_Module">https://wiki.keyestudio.com/Ks0100_keyestudio_EASY_plug_White_LED_Module</a>
ks0101 Digital White LED Module	White round dome 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0101_keyestudio_EASY_plug_Digital_White_LED_Module">https://wiki.keyestudio.com/Ks0101_keyestudio_EASY_plug_Digital_White_LED_Module</a>
ks0102 Active Buzzer Module	Piezo self-driven buzzer, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0102_keyestudio_EASY_plug_Active_Buzzer_Module">https://wiki.keyestudio.com/Ks0102_keyestudio_EASY_plug_Active_Buzzer_Module</a>
ks0103 Passive Buzzer Module	Make tunes or alarm sounds, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0103_keyestudio_EASY_plug_Passive_Buzzer_Module">https://wiki.keyestudio.com/Ks0103_keyestudio_EASY_plug_Passive_Buzzer_Module</a>
ks0104 Analog Temperature Sensor	Thermistor, measuring change of resistance, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0104_keyestudio_EASY_plug_Analog_Temperature_Sensor">https://wiki.keyestudio.com/Ks0104_keyestudio_EASY_plug_Analog_Temperature_Sensor</a>
ks0105 Analog Sound Sensor	Microphone sound operating switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0105_keyestudio_EASY_plug_Analog_Sound_Sensor">https://wiki.keyestudio.com/Ks0105_keyestudio_EASY_plug_Analog_Sound_Sensor</a>
ks0106 Photocell Sensor	LDR Detection of light, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0106_keyestudio_EASY_plug_Photocell_Sensor">https://wiki.keyestudio.com/Ks0106_keyestudio_EASY_plug_Photocell_Sensor</a>
ks0107 Water Sensor	Detects water level or water droplets, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0107_keyestudio_EASY_plug_Water_Sensor">https://wiki.keyestudio.com/Ks0107_keyestudio_EASY_plug_Water_Sensor</a>
ks0108 Soil Humidity Sensor	Moisture present in soil, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0108_keyestudio_EASY_plug_Soil_Humidity_Sensor">https://wiki.keyestudio.com/Ks0108_keyestudio_EASY_plug_Soil_Humidity_Sensor</a>
ks0109 Analog Rotation Sensor	Potentiometer, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0109_keyestudio_EASY_plug_Analog_Rotation_Sensor">https://wiki.keyestudio.com/Ks0109_keyestudio_EASY_plug_Analog_Rotation_Sensor</a>
ks0110 Hall Magnetic Sensor	Magnetic Field Switch, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0110_keyestudio_EASY_plug_Hall_Magnetic_Sensor">https://wiki.keyestudio.com/Ks0110_keyestudio_EASY_plug_Hall_Magnetic_Sensor</a>
ks0111 Collision Sensor	Bump Micro Switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0111_keyestudio_EASY_plug_Collision_Sensor">https://wiki.keyestudio.com/Ks0111_keyestudio_EASY_plug_Collision_Sensor</a>
ks0112 Digital Push Button	Tactile Push Switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0112_keyestudio_EASY_plug_Digital_Push_Button">https://wiki.keyestudio.com/Ks0112_keyestudio_EASY_plug_Digital_Push_Button</a>
ks0113 Capacitive Touch Sensor	Sensitive Touch Switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0113_keyestudio_EASY_plug_Capacitive_Touch_Sensor">https://wiki.keyestudio.com/Ks0113_keyestudio_EASY_plug_Capacitive_Touch_Sensor</a>
ks0114 Knock Sensor	SW-280 Vibration Switch, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0114_keyestudio_EASY_plug_Knock_Sensor">https://wiki.keyestudio.com/Ks0114_keyestudio_EASY_plug_Knock_Sensor</a>
ks0115 Tilt Sensor Module	Rolling Ball Tilt Switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0115_keyestudio_EASY_plug_Digital_Tilt_Sensor_Module">https://wiki.keyestudio.com/Ks0115_keyestudio_EASY_plug_Digital_Tilt_Sensor_Module</a>
ks0116 Flame Sensor Module	Detects Wavelength at 760nm ~1100nm, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0116_keyestudio_EASY_plug_Flame_Sensor_Module">https://wiki.keyestudio.com/Ks0116_keyestudio_EASY_plug_Flame_Sensor_Module</a>
ks0117 Vibration Sensor Module	Checking Vibration, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0117_keyestudio_EASY_plug_Vibration_Sensor_Module">https://wiki.keyestudio.com/Ks0117_keyestudio_EASY_plug_Vibration_Sensor_Module</a>
ks0118 Reed Switch Module	Magnetic Switch, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0118_keyestudio_EASY_plug_Reed_Switch_Module">https://wiki.keyestudio.com/Ks0118_keyestudio_EASY_plug_Reed_Switch_Module</a>
ks0119 Tracking Sensor	Detects White from in Black, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0119_keyestudio_EASY_plug_Line_Tracking_Sensor">https://wiki.keyestudio.com/Ks0119_keyestudio_EASY_plug_Line_Tracking_Sensor</a>
ks0120 Obstacle Avoidance Sensor	IR Detects distance range of 2~40cm, , 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0120_keyestudio_EASY_plug_Infrared_Obstacle_Avoidance_Sensor">https://wiki.keyestudio.com/Ks0120_keyestudio_EASY_plug_Infrared_Obstacle_Avoidance_Sensor</a>
ks0121 Photo Interrupter Module	Or Gap sensor, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0121_keyestudio_EASY_plug_Photo_Interrupter_Module">https://wiki.keyestudio.com/Ks0121_keyestudio_EASY_plug_Photo_Interrupter_Module</a>
ks0122 PIR Motion Sensor	Pyroelectric Infrared, distance 7m, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0122_keyestudio_EASY_plug_PIR_Motion_Sensor">https://wiki.keyestudio.com/Ks0122_keyestudio_EASY_plug_PIR_Motion_Sensor</a>
ks0123 LM35 Temperature Sensor Module	Sensitivity is 10mV / °C, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0123_keyestudio_EASY_plug_LM35_Temperature_Sensor_Module">https://wiki.keyestudio.com/Ks0123_keyestudio_EASY_plug_LM35_Temperature_Sensor_Module</a>
ks0124 DS18B20 Temperature Sensor	64-BIT 0.5°C, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0124_keyestudio_EASY_plug_DS18B20_Temperature_Sensor">https://wiki.keyestudio.com/Ks0124_keyestudio_EASY_plug_DS18B20_Temperature_Sensor</a>
ks0125 IR Receiver Module	Similar to a TV Remote receiver, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0125_keyestudio_EASY_plug_IR_Receiver_Module">https://wiki.keyestudio.com/Ks0125_keyestudio_EASY_plug_IR_Receiver_Module</a>
ks0126 IR Transmitter Module	Infrared TX LED, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0126_keyestudio_EASY_plug_IR_Transmitter_Module">https://wiki.keyestudio.com/Ks0126_keyestudio_EASY_plug_IR_Transmitter_Module</a>
ks0127 Single Relay Module	Switching 10A, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0127_keyestudio_EASY_plug_Single_Relay_Module">https://wiki.keyestudio.com/Ks0127_keyestudio_EASY_plug_Single_Relay_Module</a>
ks0128 ADXL345 3-Axis Acceleration Module	Accelerometer high resolution (13-bit), 2-3.3V operating.	<a href="https://wiki.keyestudio.com/Ks0128_keyestudio_EASY_plug_ADXL345_Three_Axis_Acceleration_Module">https://wiki.keyestudio.com/Ks0128_keyestudio_EASY_plug_ADXL345_Three_Axis_Acceleration_Module</a>
ks0129 Temperature and Humidity Sensor	Accuracy: $\phi=5\%$ and $^{\circ}C=2\%$ , 5V operating.	<a href="https://wiki.keyestudio.com/Ks0129_keyestudio_EASY_plug_DHT11_Temperature_and_Humidity_Sensor">https://wiki.keyestudio.com/Ks0129_keyestudio_EASY_plug_DHT11_Temperature_and_Humidity_Sensor</a>
ks0130 DS3231 Clock Module	I2C Real-Time Clock with Battery, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0130_keyestudio_EASY_plug_DS3231_Clock_Module">https://wiki.keyestudio.com/Ks0130_keyestudio_EASY_plug_DS3231_Clock_Module</a>



Module Name	Brief:	Links to the instruction pages:
ks0131 Analog Gas Sensor	LPG, I-butane, propane, methane, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0131_keyestudio_EASY_plug_Analog_Gas_Sensor">https://wiki.keyestudio.com/Ks0131_keyestudio_EASY_plug_Analog_Gas_Sensor</a>
ks0132 Analog Alcohol Sensor	Breath analyser, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0132_keyestudio_EASY_plug_Analog_Alcohol_Sensor">https://wiki.keyestudio.com/Ks0132_keyestudio_EASY_plug_Analog_Alcohol_Sensor</a>
ks0133 MQ135 Air Quality Sensor	Detects SnO <sup>2</sup> , 5V operating.	<a href="https://wiki.keyestudio.com/Ks0133_keyestudio_EASY_plug_MQ135_Air_Quality_Sensor">https://wiki.keyestudio.com/Ks0133_keyestudio_EASY_plug_MQ135_Air_Quality_Sensor</a>
ks0134 BMP180 Barometric Pressure Sensor	Range: 300~1100hPa, 1.8V~3.6V operating.	<a href="https://wiki.keyestudio.com/Ks0134_keyestudio_EASY_plug_BMP180_Barometric_Pressure_Sensor">https://wiki.keyestudio.com/Ks0134_keyestudio_EASY_plug_BMP180_Barometric_Pressure_Sensor</a>
ks0135 Bluetooth Module	Bluetooth 2.1+ EDR standard, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0135_keyestudio_EASY_plug_Bluetooth_Module">https://wiki.keyestudio.com/Ks0135_keyestudio_EASY_plug_Bluetooth_Module</a>
ks0136 OLED Module	Monochrome 128 x 64 pixels, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0136_keyestudio_EASY_plug_OLED_Module">https://wiki.keyestudio.com/Ks0136_keyestudio_EASY_plug_OLED_Module</a>
ks0137 1602 I2C Module	16x2 LCD Blue, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0137_keyestudio_EASY_plug_1602_I2C_Module">https://wiki.keyestudio.com/Ks0137_keyestudio_EASY_plug_1602_I2C_Module</a>
ks0138 I2C 2004 LCD	20x4 LCD Blue, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0138_keyestudio_EASY_plug_I2C_2004_LCD">https://wiki.keyestudio.com/Ks0138_keyestudio_EASY_plug_I2C_2004_LCD</a>
ks0139 I2C 8x8 LED Matrix	Red LED's, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0139_keyestudio_EASY_plug_I2C_8x8_LED_Matrix">https://wiki.keyestudio.com/Ks0139_keyestudio_EASY_plug_I2C_8x8_LED_Matrix</a>
ks0224 Piranha LED Module	Red square LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0224_keyestudio_EASY_plug_Red_Piranha_LED_Module">https://wiki.keyestudio.com/Ks0224_keyestudio_EASY_plug_Red_Piranha_LED_Module</a>
ks0224 Red LED Module	Di-Red round 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0224_keyestudio_EASY_plug_Red_LED_Module">https://wiki.keyestudio.com/Ks0224_keyestudio_EASY_plug_Red_LED_Module</a>
ks0225 Green Piranha LED Module	Green square LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0225_keyestudio_EASY_plug_Green_Piranha_LED_Module">https://wiki.keyestudio.com/Ks0225_keyestudio_EASY_plug_Green_Piranha_LED_Module</a>
ks0225 Green LED Module	Di-Green round 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0225_keyestudio_EASY_plug_Green_LED_Module">https://wiki.keyestudio.com/Ks0225_keyestudio_EASY_plug_Green_LED_Module</a>
ks0226 Yellow Piranha LED Module	Yellow square LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0226_keyestudio_EASY_plug_Yellow_Piranha_LED_Module">https://wiki.keyestudio.com/Ks0226_keyestudio_EASY_plug_Yellow_Piranha_LED_Module</a>
ks0226 Yellow LED Module	Di-Yellow round 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0226_keyestudio_EASY_plug_Yellow_LED_Module">https://wiki.keyestudio.com/Ks0226_keyestudio_EASY_plug_Yellow_LED_Module</a>
ks0227 Blue Piranha LED Module	Blue square LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0227_keyestudio_EASY_plug_Blue_Piranha_LED_Module">https://wiki.keyestudio.com/Ks0227_keyestudio_EASY_plug_Blue_Piranha_LED_Module</a>
ks0227 Blue LED Module	Di-Blue round 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0227_keyestudio_EASY_plug_Blue_LED_Module">https://wiki.keyestudio.com/Ks0227_keyestudio_EASY_plug_Blue_LED_Module</a>
ks0228 Digital Red LED Module	Red round dome 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0228_keyestudio_EASY_plug_Digital_Red_LED_Module">https://wiki.keyestudio.com/Ks0228_keyestudio_EASY_plug_Digital_Red_LED_Module</a>
ks0229 Digital Green LED Module	Green round dome 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0229_keyestudio_EASY_plug_Digital_Green_LED_Module">https://wiki.keyestudio.com/Ks0229_keyestudio_EASY_plug_Digital_Green_LED_Module</a>
ks0230 Digital Yellow LED Module	Yellow round dome 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0230_keyestudio_EASY_plug_Digital_Yellow_LED_Module">https://wiki.keyestudio.com/Ks0230_keyestudio_EASY_plug_Digital_Yellow_LED_Module</a>
ks0231 Digital Blue LED Module	Blue round dome 5mm LED, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0231_keyestudio_EASY_plug_Digital_Blue_LED_Module">https://wiki.keyestudio.com/Ks0231_keyestudio_EASY_plug_Digital_Blue_LED_Module</a>
ks0241 L9110 Fire Extinguishing Module	Small Fan Motor, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0241_keyestudio_EASY_plug_L9110_Fire_Extinguishing_Module">https://wiki.keyestudio.com/Ks0241_keyestudio_EASY_plug_L9110_Fire_Extinguishing_Module</a>
ks0242 SR01 Ultrasonic Module	Distance Sensor, 2cm to 3m, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0242_keyestudio_EASY_plug_SR01_Ultrasonic_Module">https://wiki.keyestudio.com/Ks0242_keyestudio_EASY_plug_SR01_Ultrasonic_Module</a>
ks0243 W5100 Ethernet Module	10/100 Ethernet controller via SPI	<a href="https://wiki.keyestudio.com/Ks0243_keyestudio_EASY_plug_W5100_Ethernet_Module">https://wiki.keyestudio.com/Ks0243_keyestudio_EASY_plug_W5100_Ethernet_Module</a>
ks0244 TEMENT6000 Ambient Light Sensor	Light Level Sensor, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0243_keyestudio_EASY_plug_W5100_Ethernet_Module">https://wiki.keyestudio.com/Ks0243_keyestudio_EASY_plug_W5100_Ethernet_Module</a>
ks0245 Joystick Module	X, Y control, 3-5V operating.	<a href="https://wiki.keyestudio.com/Ks0245_keyestudio_EASY_plug_Joystick_Module">https://wiki.keyestudio.com/Ks0245_keyestudio_EASY_plug_Joystick_Module</a>
ks0246 Steam Sensor	Analog Water Sensor, 5V operating.	<a href="https://wiki.keyestudio.com/Ks0246_keyestudio_EASY_plug_Steam_Sensor">https://wiki.keyestudio.com/Ks0246_keyestudio_EASY_plug_Steam_Sensor</a>
ks0369 4-Digit LED Display	7 Segment 4 Digit, 5V operating.	<a href="https://wiki.keyestudio.com/KS0369_EASY_plug_4-Digit_LED_Display">https://wiki.keyestudio.com/KS0369_EASY_plug_4-Digit_LED_Display</a>
ks0370 2812 2x2 Full Color RGB Module	4x RGB LED 1W, 5V operating.	<a href="https://wiki.keyestudio.com/KS0370_EASY_plug_2812_2x2_Full_Color_RGB_Module_(Black_and_Eco-friendly)">https://wiki.keyestudio.com/KS0370_EASY_plug_2812_2x2_Full_Color_RGB_Module_(Black_and_Eco-friendly)</a>
ks0371 Thin-film Pressure Sensor	For Force Measurement, 0-0.5kg, 3-5V operating.	<a href="https://wiki.keyestudio.com/KS0371_EASY_plug_Thin-film_Pressure_Sensor_(Black_and_Eco-friendly)">https://wiki.keyestudio.com/KS0371_EASY_plug_Thin-film_Pressure_Sensor_(Black_and_Eco-friendly)</a>
ks0372 Servo Module +Micro Servo	With 180° Micro Servo, 5V operating.	<a href="https://wiki.keyestudio.com/KS0372_EASY_plug_Servo_Module_%2BMicro_Servo">https://wiki.keyestudio.com/KS0372_EASY_plug_Servo_Module_%2BMicro_Servo</a>
ks0373 Slide Potentiometer	Dual Potentiometer, 3-5V operating.	<a href="https://wiki.keyestudio.com/KS0373_EASY_plug_Slide_Potentiometer">https://wiki.keyestudio.com/KS0373_EASY_plug_Slide_Potentiometer</a>
ks0376 SR01 Ultrasonic Module V2	Distance Sensor, 2cm to 3m, 5V operating.	<a href="https://wiki.keyestudio.com/KS0376_EASY_plug_SR01_Ultrasonic_Module_V2">https://wiki.keyestudio.com/KS0376_EASY_plug_SR01_Ultrasonic_Module_V2</a>
ks0380 8x8 LED Matrix Module -180° Interface	Red LED's, I2C, RJ11 is on underside, 5V operating.	<a href="https://wiki.keyestudio.com/KS0380_EASY_plug_8x8_LED_Matrix_Module_-180%C2%B0_Interface">https://wiki.keyestudio.com/KS0380_EASY_plug_8x8_LED_Matrix_Module_-180%C2%B0_Interface</a>



Module Name	Brief:
ks0381 I2C 1602 LCD Module-180° Interface	16x2 LCD Blue, RJ11 is on underside, 5V operating.
ks0393 WIFI and Bluetooth Shield	For the ESP-01S, 3V operating.
ks0394 GP2Y1014AU PM2 Dust Sensor Module	Dust Particularly, Smoke, 5-7V operating.
ks0395 8x8 LED Matrix Module Address Select	HT16K33 chip to address each LED, 5V operating.
ks0431 DHT22 Temperature and Humidity Sensor	Accuracy: $\phi=2\%$ and $^{\circ}\text{C}=0.5\%$ , 5V operating.
ks0439 3W LED Module	750mA 200Lm, white, 5V operating.
ks0442 Breakout Board	4x 4-way pins, 1x 3-way screw terminal

#### Links to the instruction pages:

- [https://wiki.keyestudio.com/KS0381\\_EASY\\_plug\\_I2C\\_1602\\_LCD\\_Module-180%C2%B0\\_Interface](https://wiki.keyestudio.com/KS0381_EASY_plug_I2C_1602_LCD_Module-180%C2%B0_Interface)
- [https://wiki.keyestudio.com/KS0393\\_EASY\\_plug\\_WIFI\\_and\\_Bluetooth\\_Shield\\_\(Black\\_and\\_Eco-friendly\)](https://wiki.keyestudio.com/KS0393_EASY_plug_WIFI_and_Bluetooth_Shield_(Black_and_Eco-friendly))
- [https://wiki.keyestudio.com/KS0394\\_EASY\\_plug\\_GP2Y1014AU\\_PM2\\_Dust\\_Sensor\\_Module](https://wiki.keyestudio.com/KS0394_EASY_plug_GP2Y1014AU_PM2_Dust_Sensor_Module)
- [https://wiki.keyestudio.com/KS0395\\_EASY\\_plug\\_8x8\\_LED\\_Matrix\\_Module\\_Address\\_Select](https://wiki.keyestudio.com/KS0395_EASY_plug_8x8_LED_Matrix_Module_Address_Select)
- [https://wiki.keyestudio.com/KS0431\\_EASY\\_plug\\_DHT22\\_Temperature\\_and\\_Humidity\\_Sensor](https://wiki.keyestudio.com/KS0431_EASY_plug_DHT22_Temperature_and_Humidity_Sensor)
- [https://wiki.keyestudio.com/KS0439\\_EASY\\_Plug\\_3W\\_LED\\_Module](https://wiki.keyestudio.com/KS0439_EASY_Plug_3W_LED_Module)
- [https://wiki.keyestudio.com/KS0442\\_EASY\\_Plug\\_Breakout\\_Board](https://wiki.keyestudio.com/KS0442_EASY_Plug_Breakout_Board)