








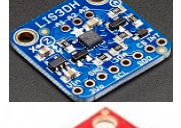
























## SENSORS

From 2022, will be updated if needed  
It's OK to use for project planning.

1

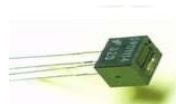
Part number	Name	Purchased	Available	
<a href="#">SEN-09570</a>	Infrared Thermometer - MLX90614	2	2	
<a href="#">SEN-11084</a>	Altitude sensor MPL3115A2	1	1	
<a href="#">SEN-09801</a>	Triple-Axis Digital-Output Gyro <b>ITG-3200</b> Breakout	6	6	
<a href="#">SEN-09723</a>	Triple Axis SPI or I2C Accelerometer Breakout - <b>BMA180</b> Variable measurement range: 1 - 15 g	3	0	
<a href="#">SEN-00847</a>	Dual Axis Accelerometer Breakout Board - <b>ADXL320</b> +/-5g	3	1	
<a href="#">SEN-00692</a>	Tripple Axis Accel. Breakout Board - <b>ADXL330</b> +/- 3g	3	3	
<a href="#">2472</a>	Adafruit 9-DOF Absolute Orientation IMU Fusion Breakout - <b>BNO055</b>	3+	2	
<a href="#">SEN-09269</a>	Triple-Axis Accelerometer Board - ADXL335 +/-3g	7	7	
<a href="#">SEN-09836</a>	Triple Axis Accelerometer Breakout - ADXL345 +/- 16g	3	2	
<a href="#">LIS3DH</a>	3 axis Accelerometer LIS3DH (Adafruit)	1	1	
<a href="#">SEN-00252</a>	Triple Axis Accelerometer Breakout - MMA7260Q	1	1	
<a href="#">SEN-12756</a>	Tripple Axis Accel. Breakout Board - MMA8452	1	1	
	Dual Axis Accelerometer Board - ADXL210, +/- 10g	2	2	
	Dual Axis Accelerometer Board - ADXL202, +/- 2g	3	1	
<a href="#">SEN-10619</a>	Triple Axis Magnetometer Breakout - MAG3110	4	1	

<a href="#">SEN-00244</a>	MicroMag 3-Axis Magnetometer	5	4	
<a href="#">SEN-10530</a>	Tripple Axis Magnetometer HMC5883L	1	1	
<a href="#">SEN-10530</a>	Triple Axis Magnetometer Breakout - HMC5843	1	1	
<a href="#">SEN-00639</a>	Ultrasonic Range Finder - Maxbotix LV-EZ1	5	4	
<a href="#">SEN-09496</a>	Ultrasonic Range Finder - MB7060 - XL-Maxsonar WR1	1	1	
<a href="#">SEN-08630</a>	PIR Motion Sensor	4	4	
<a href="#">SEN-08958</a>	Infrared Proximity Sensor Long Range - Sharp GP2Y0A02YK0F	1	1	
	Distance Measuring Sensor Unit (2-15 cm) - Sharp GP2Y0A51SK0F	5	5	
<a href="#">SEN-09587</a>	Zilog ePIR, motion-detecting single-board computer	1	1	
<a href="#">COM-09689</a>	Optical Dust Sensor - GP2Y1010AU0F	1	1	
<a href="#">SEN-14045</a>	SparkFun Particle Sensor Breakout - MAX30105	1	1	
<a href="#">SEN-16531</a>	SPG30 Air Quality Sensor	1	1	
<a href="#">SEN-09403</a>	Carbon Monoxide Sensor - MQ-7 with breakout boards	2	2	
<a href="#">GC-0017</a>	SprintIR Wide Range 100% CO2 Sensor	1	1	
<a href="#">CM-0013</a>	COZIR Wide Range Sensor Tube Cap Adapter	1	1	
<a href="#">CM-0111</a>	Sensor Pump Kit	1	1	
	uALFAT USB Board (implements FAT file system)	2	2	

MPX5100DP	Integrated Silicon Pressure Sensor On-Chip Signal Conditioned, Temperature Compensated and Calibrated	1	0	
<a href="#">SEN-09694</a>	<b>BMP085</b> Barometric Pressure Sensor (I2C)	1	1	
<a href="#">403-SDP600-500</a>	Sensiron Digital Differential Pressure sensor	1	0	
<a href="#">SEN-13322</a>	Soil Humidity	1	1	
<a href="#">SEN-09569</a>	Humidity Sensor - HIH-4030 Breakout	1	1	
<a href="#">SEN-12064</a>	HTU21D - Humidity and Temperature Sensor	1	1	
<a href="#">COM-08257</a>	Humidity and Temperature Sensor - SHT15 + breakout	6+	5	
<a href="#">SEN-13763</a>	Temperature and humidity sensor - Si7021	1	1	
<a href="#">SEN-08661</a>	Polar Heart Rate Monitor Interface	1	1	
<a href="#">SEN-14045</a>	SparkFun Particle Sensor Breakout - MAX30105	1	1	
<a href="#">SEN-09375</a>	0.5" Force Sensitive Resistor 402 FSR	6	4	
<a href="#">SEN-09673</a>	Force Sensitive Resistor - Small 400 FSR	1	1	
<a href="#">SEN-08680</a>	Flex Sensor 4.5"	14	3+	
SEN-08606	SoftPot 4.5 "	2	2	
<a href="#">SEN-09197</a>	Large Piezo Vibration Sensor - With Mass	2	2	
<a href="#">COM-08642</a>	Reed Switch	3	2	
<a href="#">SEN-09088</a>	Mini photocell (5 mm)	5	4	

SEN-00246      Optical Detector/Phototransistor

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[SEN-10245](#)      Load sensor 50 kg







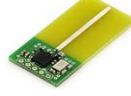




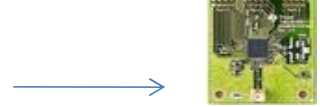

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[SEN-13879](#)      SparkFun Load Cell Amplifier - HX711

3      3



Vendor	Part #	Description	Total	Available	
Sparkfun	<a href="#">WRL-00705</a>	Transceiver nRF24L01+ Module with RP-SMA (red)	7	4	    
Sparkfun	<a href="#">WRL-00691</a>	Transceiver nRF24L01+ Module with Chip Antenna	2	2	
Sparkfun	<a href="#">WRL-00152</a>	Transceiver nRF2401A with Chip Antenna	5	5	
Sparkfun		Transceiver nRF24L01 Module with RP-SMA	2	2	
Sparkfun	<a href="#">WRL-08602</a>	Nordic FOB (compatible with nRF24xx)	1	1	
Sparkfun	<a href="#">WRL-08840</a>	Nordic USB ANT Stick	1	1	
Sparkfun	<a href="#">WRL-08565</a>	Transceiver nRF24AP1 with Trace Antenna (ANT)	2	2	
Sparkfun	<a href="#">EZ430-RF2500</a>	TI Wireless development tool for the MSP430 and CC2500 (eZ430-RF Spy Bi-Wire emulator, <b>4 target boards</b> , 4 battery boards)	1	1	
Sparkfun	<a href="#">EZ430-RF2500</a>	TI Wireless development tool for the MSP430 and CC2500 (eZ430-RF Spy Bi-Wire emulator, <b>2 target boards</b> , 1 battery board)	1	1	
Sparkfun	<a href="#">EZ430-RF2500-SEH</a>	TI Wireless development tool for the MSP430 and CC2500 (eZ430-RF Spy Bi-Wire emulator, <b>2 target boards</b> , 1 battery board, 1 Solar Energy Harvester)	1	1	
Sparkfun	<a href="#">EZ430-RF2500T</a>	TI Wireless target boards ( <b>3 target boards</b> , no battery boards)	3	3	
Sparkfun	<a href="#">EM430F6137RF900</a>	CC430 Wireless Development Tool (MSP430 5xx + CC1101 multi channel RF transceiver, all on one chip) - two target boards included	1	1	
Sparkfun	<a href="#">CC2530DK</a>	CC2530 Development Kit (Zigbee)	1	1	

Sparkfun	<a href="#">REMOTI-CC2530DK</a>	RemoTI CC2530 Dev Kit (Zigbee)	1	1
Sparkfun	<a href="#">WRL-10559</a>	Bluetooth Module Breakout - Roving Networks (RN-41)	2	1
Mouser	595-CC3200-LAUNCHXL	Wireless SimpleLink CC3200 Wi-Fi LaunchPad	6	6
Mouser	595-C3200MODLAUNCHXL	Wireless SimpleLink Wi-Fi CC3200 Mod LaunchPad	1	1
Mouser	765-RN-171-EK	RN-171 WiFi Eval Kit AP mode, USB	2	2
Sparkfun	<a href="#">SEN-08554</a>	IR Receiver Breakout Board	2	2
Sparkfun	<a href="#">SEN-10074</a>	RFID Reader - RedBee Experimenters Kit (125 kHz)	1	1
Digikey	<a href="#">RN-4020-PICTAIL</a>	DEMO BOARD BLUETOOTH 4.1	1	0
Sparkfun	<a href="#">CEL-09533</a>	GSM/GPRS Module - SM5100B	1	1
Sparkfun	<a href="#">CEL-09427</a>		1	1
ANTENNAS				
Sparkfun	<a href="#">WRL-00145</a>	2.4GHz Duck Antenna RP-SMA	10	8

