

The Analog Parts Kit contains a large selection of components perfect for creating a wide variety of useful circuits and devices. Featuring components from Analog Devices®, the kit includes transistors, resistors, capacitors, diodes, sensors, and variety of useful ICs including op-amps, convertors, and regulators. Finally, the kit also comes with an assortment of lead wires, a solderless breadboard, and a screwdriver.

A complete list and description of components is listed below.

Note:

Students & Educators: This kit can also be bundled with an [Analog Discovery™](#) for \$15 off!

Included in the kit:



Image	Part #	Description	Package
	AD8226	Instrumentation Amp	Cmod IC1
	SSM2220	PNP Matched Transistors	Cmod IC2





Image	Part #	Description	Package
	SSM2212	NPN Matched Transistors	Cmod IC3
	ADTL082	JFET Op Amp	Cmod IC4
	AD8541	General Purpose Op Amp	Cmod IC5
	ADP3300-5	Low Dropout Linear Regulator	Cmod IC8

Image	Part #	Description	Package
	AD592	Precision Transducer IC Temperature	TO-92
	AD584	Programmable Precision Voltage Reference	PDIP8
	AD654	Voltage to Frequency Converter (Timer)	PDIP8
	AD8561	Comparator	PDIP8

Image	Part #	Description	Package
 A black 8-pin PDIP package of an OP27 operational amplifier. The top surface is marked with 'OP27E', 'M 12 12', and 'C23810'.	OP27	Low Noise, Precision Op Amp	PDIP8
 A black 8-pin PDIP package of an OP37 operational amplifier. The top surface is marked with 'OP37E', 'M 12 12', and 'C23810'.	OP37	Low Noise, Precision, High Speed Op Amp	PDIP8
 A black 14-pin PDIP package of an OP482 operational amplifier. The top surface is marked with 'OP482', 'M 12 12', and '2301257.1'.	OP482	Low Noise, Precision, High Speed Op Amp	PDIP14
 A black 14-pin PDIP package of an OP484 operational amplifier. The top surface is marked with 'OP484FPZ', 'M 12 12', and 'C19578'.	OP484	Precision Rail-to-Rail Input & Output Op Amp	PDIP14

Image

Part #

Description

Package



AD8210

Current Shunt Monitor

Cmod IC6



AD22151

Magnetic Field Sensor

Cmod IC7



ADXL327

Accelerometer

Cmod IC9



ADMP504

Ultralow Noise Microphone

Cmod IC10

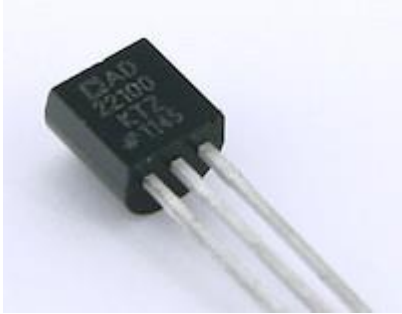



Image	Part #	Description	Package
 A black TO-226AA package temperature sensor with three leads. The top surface is marked with "AD2210", "114", and "114".	AD2210	Temperature Sensor	TO-226AA
 A piezo vibration sensor in a clear plastic package. The package is labeled "MEAS" and "MEAS-SPECCOM". It has two gold-colored leads.	605-00004	Piezo Vibration Sensor	
 A black infrared transistor with a clear lens and two long leads.	QSC114	Infrared Transistor	T-1
 A black PDIP8 package temperature sensor with eight leads. The top surface is marked with "TMP01", "F #1152", and "P267835".	TMP01	Temperature Sensor	PDIP8





Image	Part #	Description	Package
	B57164K103J	10k Ω Thermistor	5mm lead coated disk
	PDV-P9203	5-20k Ω Photocell	100mil coated header
	SQP10AJB-6R2	6.2 Ω 10W Power Resistor	Axial Cement
	<i>(various)</i>	1.1 Ω - 10M Ω 1/8W Resistors	Axial Carbon Comp.

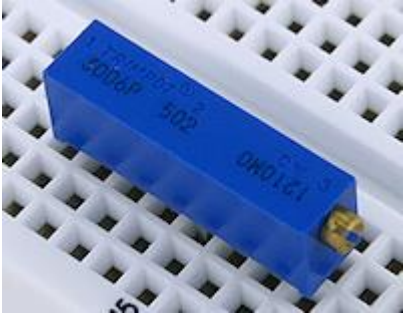


Image	Part #	Description	Package
	(various)	5k Ω , 10k Ω , 50k Ω Potentiometer	3006P 3/4" Rectangular
	(various)	39pF Ceramic Capacitor	Radial Disc
	(various)	100pF Ceramic Capacitor	Radial Disc
	(various)	.001 μ F Ceramic Capacitor	Radial Disc





Image	Part #	Description	Package
	(various)	.0047uF Ceramic Capacitor	Radial Disc
	(various)	.01uF Ceramic Capacitor	Radial Disc
	(various)	.047uF Ceramic Capacitor	Radial Disc
	(various)	.1uF Ceramic Capacitor	Radial Disc

Image	Part #	Description	Package
	(various)	1uF Electrolytic Capacitor	Radial Can
	(various)	4.7uF Electrolytic Capacitor	Radial Can
	(various)	10uF Electrolytic Capacitor	Radial Can
	(various)	22uF Electrolytic Capacitor	Radial Can

Image	Part #	Description	Package
	(various)	47uF Electrolytic Capacitor	Radial Can
	(various)	220uF Electrolytic Capacitor	Radial Can
	2N3904	NPN General Purpose Transistor	TO-92
	2N3906	PNP General Purpose Transistor	TO-92

Image	Part #	Description	Package
 <p>A black 14-pin DIP integrated circuit with gold wire bonds. The top surface is marked with '07A5ZKK E4' and 'CD4007UBE'.</p>	CD4007	Dual Complementary Transistors	PDIP14
 <p>A black TO-220 MOSFET with a silver tab and three leads. The top surface is marked with 'IRF510'.</p>	IRF510	N-Channel MOSFET 100V	TO-220
 <p>A black TO-220 NPN transistor with a silver tab and three leads. The top surface is marked with 'TIP31C'.</p>	TIP31CFS	NPN Epitaxial Transistor	TO-220
 <p>A black TO-220 PNP transistor with a silver tab and three leads. The top surface is marked with 'TIP32C'.</p>	TIP32CFS	PNP Epitaxial Transistor	TO-220

Image	Part #	Description	Package
	ZVN2110A	N-Channel Enhancement FET	TO-92
	ZVN3310	N-FET Transistor	TO-92
	ZVP2110A	P-Channel Enhancement FET	TO-92
	(various)	LEDs (Green, Orange, Red)	T-1 3/4









Image	Part #	Description	Package
	QED-123	Infrared LED	T-1 3/4
	1N3064	Small Signal Diode	DO-35
	1N4001	50V General Purpose Rectifier	DO-204
	1N4735	6.2V Zener Diode	DO-41

Image	Part #	Description	Package
	1N914	Small Signal Diode	DO-35
	OP999	Photodiode	T-1 $\frac{3}{4}$
	RL622-1R0K	1uH Inductor	5mm radial
	RL622-102K	1mH Inductor	5mm radial

Image

Part #

Description

Package



GT-0950RP3

Buzzer/Speaker

5mm radial