



## Analog Parts Kit by Analog Devices: Companion Parts Kit for the Analog Discovery


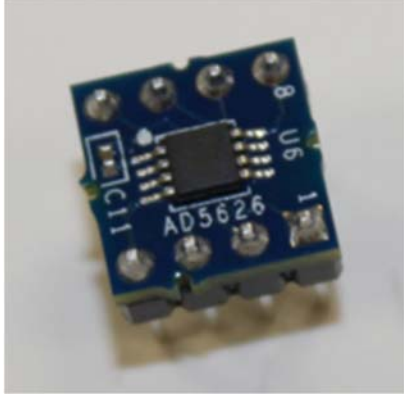

SKU:  
240-000




Note: We have a new version of the kit in stock! Some of the components have changed from the previous Analog Parts Kit. the list of components can be found [here](#), and below.




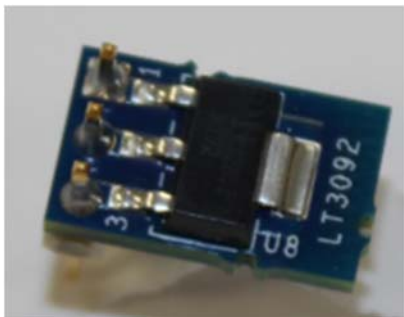
The Analog Parts Kit contains a large selection of components perfect for creating a wide variety of useful circuits and devices. Featuring components from Analog Devices<sup>®</sup>, the kit includes transistors, resistors, capacitors, diodes, sensors, and a variety of useful ICs including op-amps,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


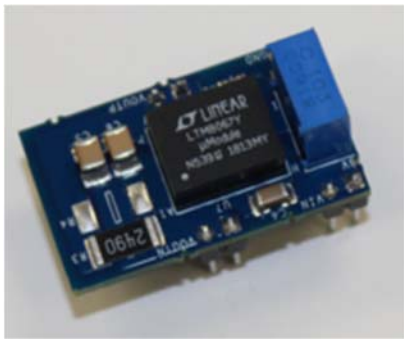
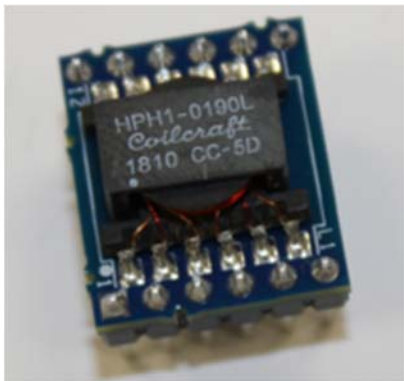
Note:



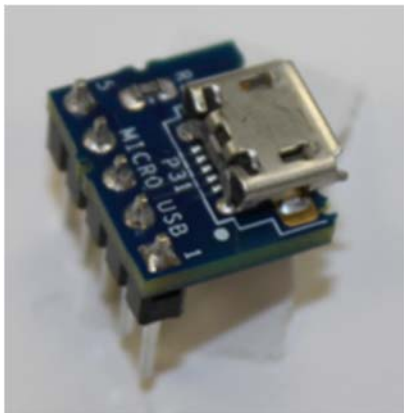

Students & Educators: We no longer provide coupon codes to students and professors for bundling with the Analog Discovery; however, we now offer this kit pre-bundled with the Analog Discovery 2. For more information, please check out the [Analog Discovery 2 Student Bundle](#).

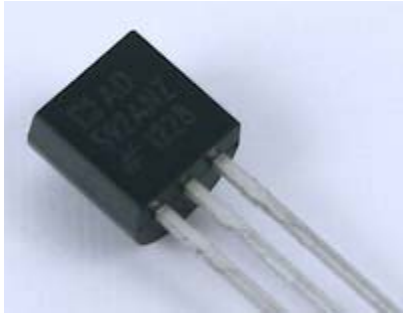

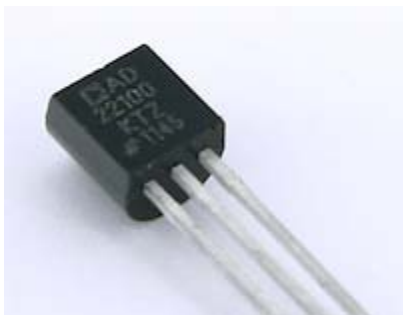

Image	Part Number	Description	Link
 <p>A small blue PCB module with a central black chip and several gold-plated pins. The chip is labeled 'AD22151'.</p>	AD22151*	Magnetic Field Sensor	<a href="#">AD22151</a>
 <p>A small blue PCB module with a central black chip and several gold-plated pins. The chip is labeled 'AD5626'.</p>	AD5626*	12-Bit Digital to Analog Converter	<a href="#">AD5626</a>
 <p>A small blue PCB module with a central black chip and several gold-plated pins. The chip is labeled 'AD7920'.</p>	AD7920*	12-Bit Analog to Digital Converter	<a href="#">AD7920</a>


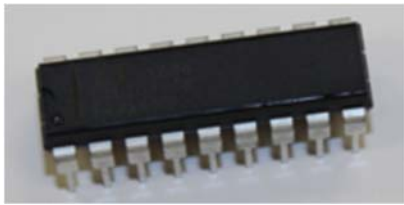

 <p>A small blue printed circuit board (PCB) module for the AD8210. It features a central black integrated circuit (IC) with several gold-plated pins extending from the sides. The board is marked with 'U2' and 'C8' near the top edge.</p>	AD8210*	Current Shunt Monitor	AD8210
 <p>A small blue PCB module for the AD8226. It features a central black IC with gold-plated pins. The board is marked with '8', 'A2', and '1' near the top edge, and 'AD8226' near the bottom edge.</p>	AD8226*	Instrumentation Amplifier	AD8226
 <p>A small blue PCB module for the AD8542. It features a central black IC with gold-plated pins. The board is marked with '8', 'A1', and '1' near the top edge, and 'AD8542' near the bottom edge.</p>	AD8542*	CMOS Rail to Rail Op Amp	AD8542

 <p>A small blue PCB module with a black integrated circuit (ADP3300) and several surface-mount components. The text 'ADP3300' and 'C10' are visible on the board.</p>	ADP3300	3.3V, 50mA Linear Regulator(LDO)	ADP3300
 <p>A small blue PCB module with a black integrated circuit (ADTL082) and several surface-mount components. The text 'ADTL082' and 'A3' are visible on the board.</p>	ADTL082*	JFET Op-Amp	ADTL082
 <p>A small blue PCB module with a black integrated circuit (ADXL327) and several surface-mount components. The text 'ADXL327' and 'C1', 'C2', 'C3' are visible on the board.</p>	ADXL327	3-Axis Low-G Accelerometer	ADXL327
 <p>A small blue PCB module with a black integrated circuit (LT3092) and several surface-mount components. The text 'LT3092' and '8L' are visible on the board.</p>	LT3092	Programmable Current Source	LT3092


 <p>A photograph of an LTC1541 microchip mounted on a blue PCB. The chip is a square package with several pins. The text on the chip includes '8 U9 1', '8283', '15411', and 'LTC1541'.</p>	LTC1541*	Micropower Amp, Comparator, & Reference	LTC1541
 <p>A photograph of an LTM8067 microchip mounted on a blue PCB. The chip is a square package with several pins. The text on the chip includes 'LINEAR', 'LTM8067', '18V/5A', and 'NO.352 18L3M7'.</p>	LTM8067	Isolated DC-DC Converter	LTM8067
 <p>A photograph of an HPH1-0190L microchip mounted on a blue PCB. The chip is a square package with several pins. The text on the chip includes 'HPH1-0190L', 'Coulcraft', and '1810 CC-5D'.</p>	HPH1-0190	Hexa-Path Transformer	HPH1-0190




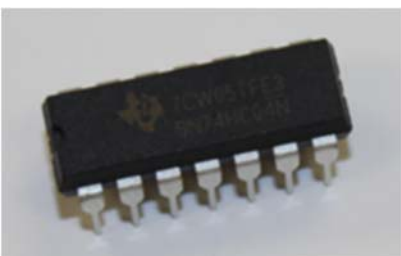
	<p>HPH1-1400</p>	<p>Hexa-Path Transformer</p>	<p>HPH1-1400</p>
	<p>SJ-43515TS-SMT-TR</p>	<p>TRRS Microphone In</p>	<p>SJ-43515TS-SMT-TR</p>
	<p>ZX62D-B-5PA8(30)</p>	<p>Micro USB Connector</p>	
	<p>AD584</p>	<p>Programmable Voltage Reference</p>	<p>AD584</p>

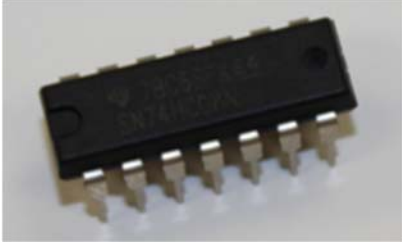
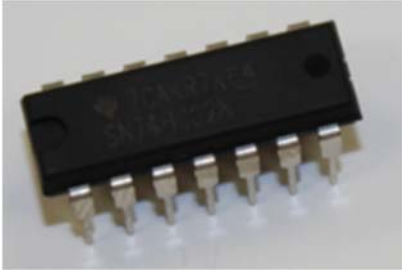
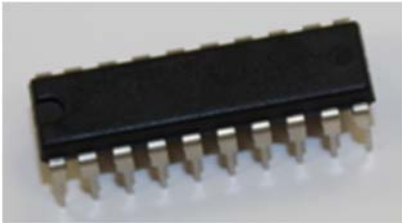

	AD592	Current Temperature Sensor	AD592
	AD654	Voltage to Frequency Converter	AD654
	AD22100	Voltage Temperature Sensor	AD22100
	AD8561	Comparator	AD8561






 <p>A photograph of an LT3080 chip. The chip is black with a circular hole at the top. It has five pins extending downwards. The text on the chip reads: "LINEAR", "LT3080", "ET", and "8097182".</p>	<p>LT3080</p>	<p>Adjustable 1.1A LDO</p>	<p>LT3080</p>
 <p>A photograph of an LTC1043 chip. It is a black integrated circuit with 14 pins in a dual in-line package (DIP).</p>	<p>LTC1043</p>	<p>Precision Switch-CAP Block</p>	<p>LTC1043</p>
 <p>A photograph of an LTC1054 chip. It is a black integrated circuit with 8 pins in a dual in-line package (DIP). The text on the chip reads: "1815", "LT1054", and "CN8".</p>	<p>LTC1054</p>	<p>Switched-Capacitor Regulator</p>	<p>LTC1054</p>



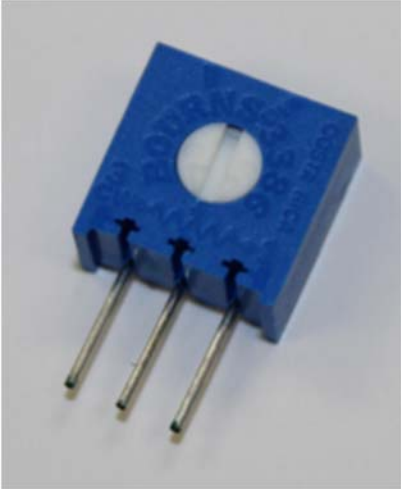



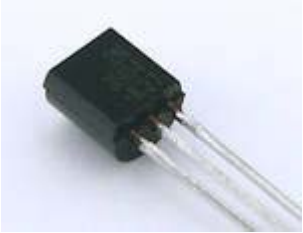




 <p>A black integrated circuit chip with a gold logo and the text '1810 3', 'LTC1485', and 'CN8' printed on its top surface. It has eight pins extending from the bottom.</p>	LTC1485	Differential Bus Transceiver	LTC1485
 <p>A black integrated circuit chip with a gold logo and the text 'OP27G', '1212', and 'E23010' printed on its top surface. It has eight pins extending from the bottom.</p>	OP27	Low Noise, Precision Op Amp	OP27
 <p>A black integrated circuit chip with a gold logo and the text 'OP37E', '1207', and 'PBR312' printed on its top surface. It has eight pins extending from the bottom.</p>	OP37	Precision Op Amp	OP37
 <p>A black integrated circuit chip with a gold logo and the text 'OP97E', '1207', and 'PBR312' printed on its top surface. It has eight pins extending from the bottom.</p>	OP97	Low Noise, Precision Op Amp	OP97

 <p>A black 8-pin DIP integrated circuit with white pins. The top surface is printed with 'OP482', 'G#1207', and '2307257.1'.</p>	<p>OP482</p>	<p>High Speed JFET Op Amp</p>	<p>OP482</p>
 <p>A black 8-pin DIP integrated circuit with white pins. The top surface is printed with 'OP484', 'F#12149', and '17357.8'.</p>	<p>OP484</p>	<p>Precision Rail to Rail Op Amp</p>	<p>OP484</p>
 <p>A black 8-pin DIP integrated circuit with white pins. The top surface is printed with 'TMP01', 'F#1152', and 'P267835'.</p>	<p>TMP01</p>	<p>Temperature Controller</p>	<p>TMP01</p>
 <p>A black 14-pin DIP integrated circuit with white pins. The top surface is printed with 'SN74HC04N'.</p>	<p>SN74HC04N</p>	<p>Hex Inverter</p>	<p>SN74HC04N</p>

	SN74HC08N	Quad AND Gate	SN74HC08N
	SN74HC32N	Quad OR Gate	SN74HC32N
	SN74HC273N	Octal Flip Flop	SN74HC273N
	Solderless Breadboard	Solderless Breadboard	

	<p>Jumper Wires</p>	<p>Male to Male Jumper Wires</p>	
	<p>Screwdriver</p>	<p>Flathead Screwdriver</p>	
	<p>Microphone</p>	<p>Microphone</p>	
	<p>Speaker</p>	<p>8-ohm Speaker</p>	
	<p>QSC114</p>	<p>Infrared Transistor T-1</p>	<p>QSC114</p>

	<p>B57164K103J</p>	<p>10kΩ Thermistor 5mm lead coated disk</p>	<p>B57164K103J</p>
	<p>SQP10AJB-6R2</p>	<p>6.2Ω 10W Power Resistor Axial Cement Link</p>	<p>SQP10AJB-6R2</p>
	<p>3386C-1-502LF</p>	<p>Single Turn 5kΩ Potentiometer</p>	<p>Datasheet</p>
	<p>3386C-1-103LF</p>	<p>Single Turn 10kΩ Potentiometer</p>	
	<p>3386C-1-503LF</p>	<p>Single Turn 50kΩ Potentiometer</p>	
	<p>2N3904</p>	<p>NPN General Purpose Transistor TO-92 Link Marking: 2N3904</p>	<p>2N3904</p>

	2N3906	PNP General Purpose Transistor TO-92 Link Marking: 2N3906	2N3906
	IRF510	N-Channel MOSFET 100V TO-220 Link Marking: IRF510	IRF510
	TIP31CFS	NPN Epitaxial Transistor TO-220 Link Marking: TIP31	TIP31CFS
	TIP32CFS	PNP Epitaxial Transistor TO-220 Link Marking: TIP32	TIP32CFS
	ZVN2110A	N-Channel Enhancement FET TO-92 Link Marking: ZVN211	ZVN2110A

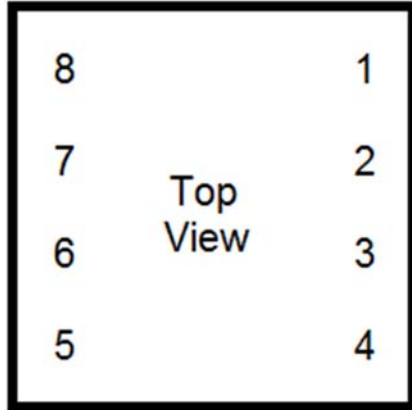
	<p>various LEDs (red, yellow, Green)</p>	<p>T-1 3/4 Link</p>	
	<p>QED-123</p>	<p>Infrared LED T-1 3/4</p>	<p>QED-123</p>
	<p>QSD123</p>	<p>Infrared Photo Transistor T-1</p>	<p>QSD123</p>
	<p>1N3064</p>	<p>Small Signal Diode DO-35 Link</p>	<p>1N3064</p>
	<p>1N4001</p>	<p>50V General Purpose Rectifier DO-204 Link</p>	<p>1N4001</p>

	1N4735	6.2V (or 3.6V) Zener Diode DO-41 Link	1N4735
	1N914	Small Signal Diode DO-35 Link	1N914
	OP999	Photodiode T-1 $\frac{3}{4}$	OP999
	RFB0807-1R0L RFB0807-100L RFB0807-101L RFB0807-102L RFB0807-103L	1uH Inductor 5mm radial Link 10uH Inductor 5mm radial Link 100uH Inductor 5mm radial Link 100uH Inductor 5mm radial Link 10m Inductor 5mm radial Link	Datasheet

\*Please Note: All IC parts denoted with an asterisk (\*) have a reverse pin orientation, as displayed in the image below. All other ICs not marked have standard pin orientation.



## Reverse Pin Orientation



## Standard Pin Orientation

