



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


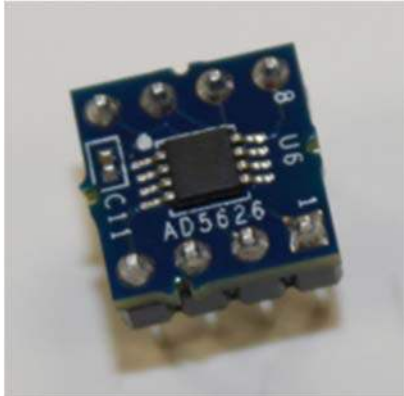
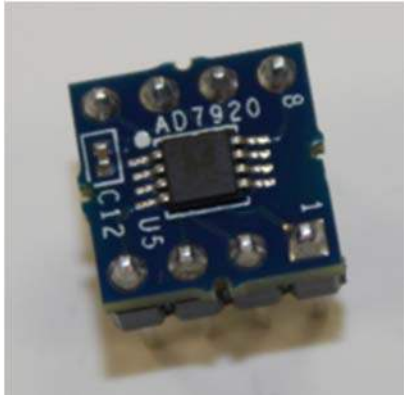
SKU:
240-000




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.

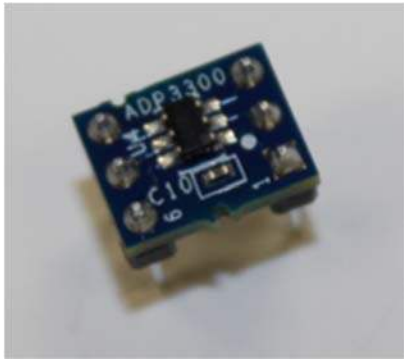

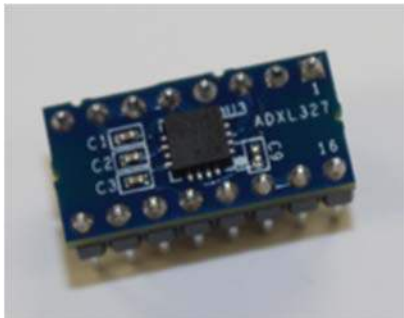
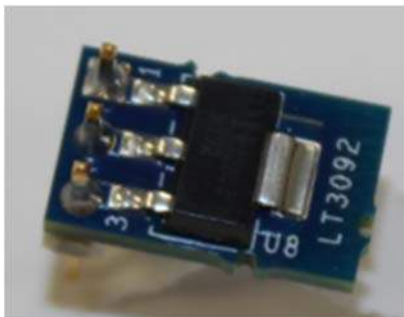
The Analog Parts Kit contains a large selection of components perfect for creating a wide variety of useful circuits and devices. Featuring components from Analog Devices[®], the kit includes transistors, resistors, capacitors, diodes, sensors, and a variety of useful ICs including op-amps, convertors,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

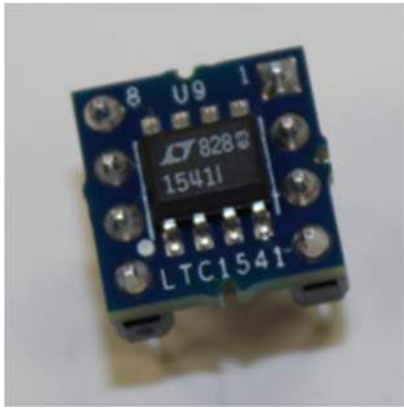
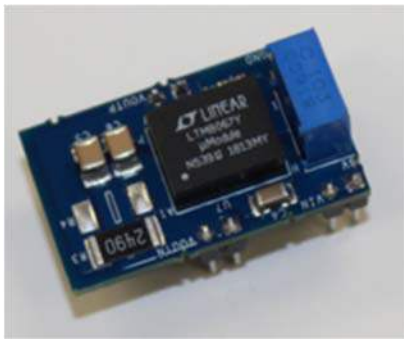
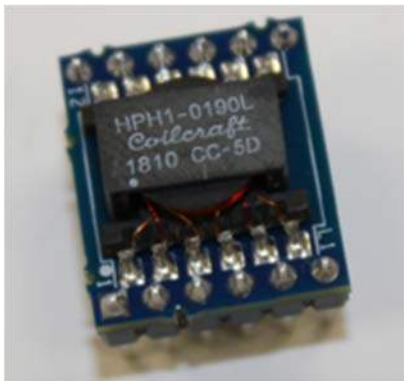
Note:


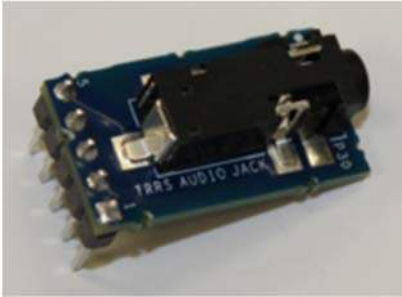


Students & Educators: We no longer provide coupon codes to students and professors for bundling with the Analog Discovery; however, we now offer this kit pre-bundled with the Analog Discovery 2. For more information, please check out the Analog Discovery 2 Student Bundle.

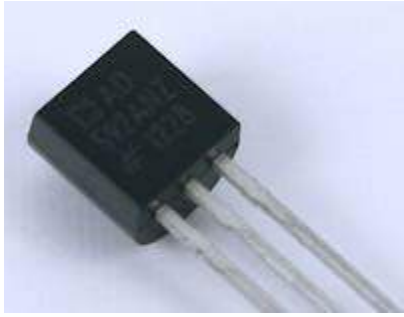

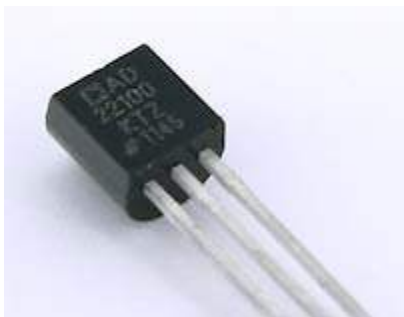

Image	Part Number	Description	Link
	AD22151*	Magnetic Field Sensor	AD22151
	AD5626*	12-Bit Digital to Analog Converter	AD5626
	AD7920*	12-Bit Analog to Digital Converter	AD7920


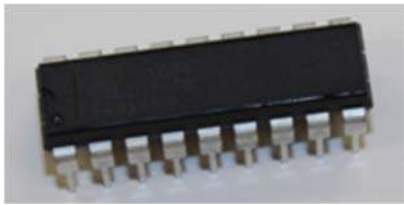

 <p>A small blue PCB module with a central black chip. It has several gold-plated pins around the perimeter. Labels 'U2' and 'C8' are visible on the board.</p>	AD8210*	Current Shunt Monitor	AD8210
 <p>A small blue PCB module with a central black chip. It has several gold-plated pins around the perimeter. Labels '8', 'A2', and 'AD8226' are visible on the board.</p>	AD8226*	Instrumentation Amplifier	AD8226
 <p>A small blue PCB module with a central black chip. It has several gold-plated pins around the perimeter. Labels '8', 'A1', and 'AD8542' are visible on the board.</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. It has a 5-pin header on the left and a 3-pin header on the right. 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. It has a 5-pin header on the left and a 3-pin header on the right. 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. It has a 5-pin header on the left and a 3-pin header on the right. 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. It has a 5-pin header on the left and a 3-pin header on the right. The text 'LT3092' and '8L' are visible on the board.</p>	LT3092	Programmable Current Source	LT3092


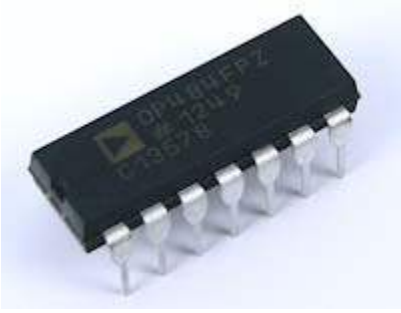

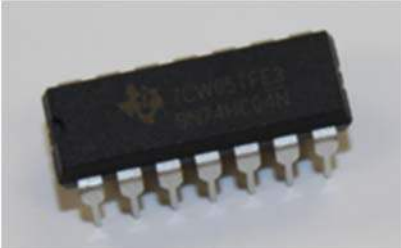
 <p>A photograph of an LTC1541 microchip mounted on a blue PCB. The chip is a square package with several pins. The text on the chip includes '8 U9 1', '8283', '15411', and 'LTC1541'.</p>	LTC1541*	Micropower Amp, Comparator, & Reference	LTC1541
 <p>A photograph of an LTM8067 microchip mounted on a blue PCB. The chip is a square package with several pins. The text on the chip includes 'LTM8067', '18V/500mA', and '18V/500mA'.</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

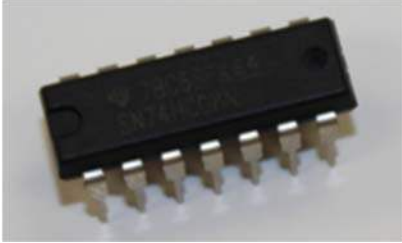
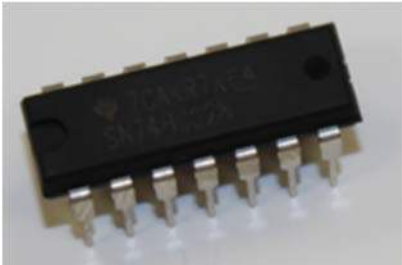
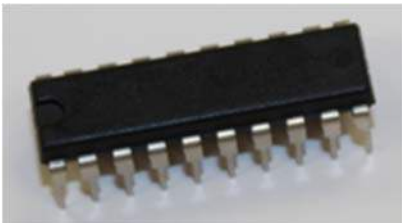
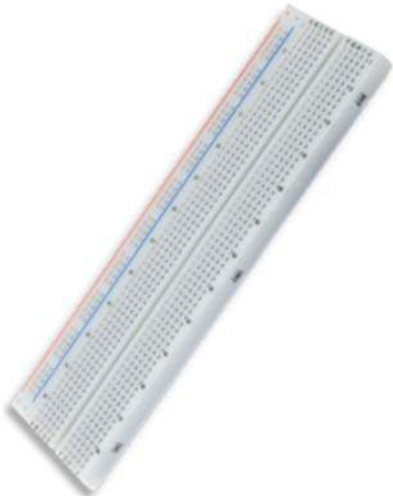
	<p>HPH1-1400</p>	<p>Hexa-Path Transformer</p>	<p>HPH1-1400</p>
	<p>SJ-43515TS-SMT-TR</p>	<p>TRRS Microphone In</p>	<p>SJ-43515TS-SMT-TR</p>
	<p>ZX62D-B-5PA8(30)</p>	<p>Micro USB Connector</p>	
	<p>AD584</p>	<p>Programmable Voltage Reference</p>	<p>AD584</p>






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



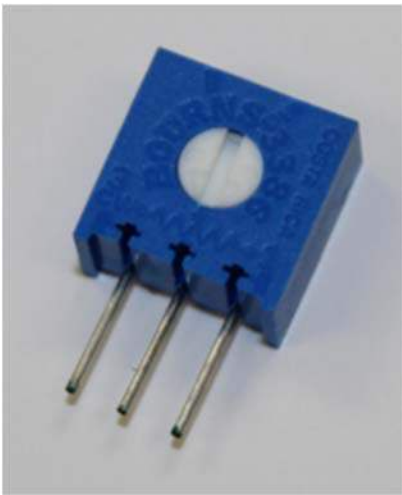

 <p>A photograph of an LT3080 chip. The chip is black with a silver metal tab at the top that has a circular hole. The text on the chip reads "LINEAR", "LT3080", "ET", and "8097182". It has five pins extending downwards.</p>	<p>LT3080</p>	<p>Adjustable 1.1A LDO</p>	<p>LT3080</p>
 <p>A photograph of an LTC1043 chip. It is a black integrated circuit with a long row of pins on one side.</p>	<p>LTC1043</p>	<p>Precision Switch-CAP Block</p>	<p>LTC1043</p>
 <p>A photograph of an LTC1054 chip. The chip is black with the text "1815", "LT1054", and "CN8" printed on it. It has five pins extending downwards.</p>	<p>LTC1054</p>	<p>Switched-Capacitor Regulator</p>	<p>LTC1054</p>

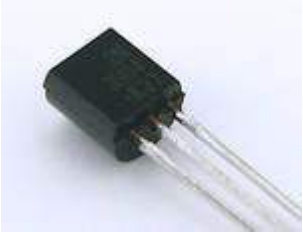




 <p>A black 8-pin DIP integrated circuit chip. The top surface is printed with the LTC logo, the part number 'LTC1485', and the package code 'CN8'. The chip has eight pins extending from the bottom.</p>	LTC1485	Differential Bus Transceiver	LTC1485
 <p>A black 8-pin DIP integrated circuit chip. The top surface is printed with the LTC logo, the part number 'OP27', and the package code 'E23010'. The chip has eight pins extending from the bottom.</p>	OP27	Low Noise, Precision Op Amp	OP27
 <p>A black 8-pin DIP integrated circuit chip. The top surface is printed with the LTC logo, the part number 'OP37', and the package code 'E23010'. The chip has eight pins extending from the bottom.</p>	OP37	Precision Op Amp	OP37
 <p>A black 8-pin DIP integrated circuit chip. The top surface is printed with the LTC logo, the part number 'OP97', and the package code 'E23010'. The chip has eight pins extending from the bottom.</p>	OP97	Low Noise, Precision Op Amp	OP97

	<p>OP482</p>	<p>High Speed JFET Op Amp</p>	<p>OP482</p>
	<p>OP484</p>	<p>Precision Rail to Rail Op Amp</p>	<p>OP484</p>
	<p>TMP01</p>	<p>Temperature Controller</p>	<p>TMP01</p>
	<p>SN74HC04N</p>	<p>Hex Inverter</p>	<p>SN74HC04N</p>

	<p>SN74HC08N</p>	<p>Quad AND Gate</p>	<p>SN74HC08N</p>
	<p>SN74HC32N</p>	<p>Quad OR Gate</p>	<p>SN74HC32N</p>
	<p>SN74HC273N</p>	<p>Octal Flip Flop</p>	<p>SN74HC273N</p>
	<p>Solderless Breadboard</p>	<p>Solderless Breadboard</p>	

	<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>

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

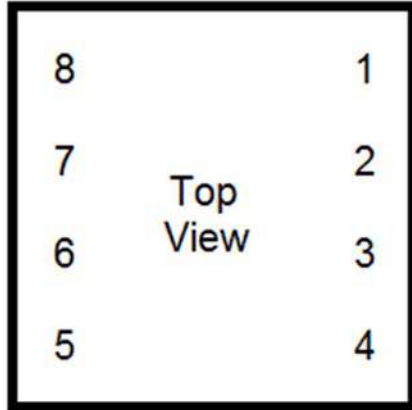
	2N3906	PNP General Purpose Transistor TO-92 Link Marking: 2N3906	2N3906
	IRF510	N-Channel MOSFET 100V TO-220 Link Marking: IRF510	IRF510
	TIP31CFS	NPN Epitaxial Transistor TO-220 Link Marking: TIP31	TIP31CFS
	TIP32CFS	PNP Epitaxial Transistor TO-220 Link Marking: TIP32	TIP32CFS
	ZVN2110A	N-Channel Enhancement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

