



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Adafruit Parts Pal

PRODUCT ID: 2975



Description

LEDs and passives and transistors and switches and op-amps oh my! The **Adafruit Parts Pal** is the ultimate companion for an entry-level maker learning electronics. This kit is your friend whenever you need to build up a project. It contains many of our most popular components and prototyping parts all wrapped up in one parts pack so you can open up and dig right in.

Kit Contents:

Prototyping:

- 1x - Storage box with latch
- 1x - Half-size breadboard
- 20x - Male/male jumper wires - 3" (75mm)
- 10x - Male/male jumper wires - 6" (150mm)

LEDs:

- 5x - 5mm Diffused green LEDs
- 5x - 5mm Diffused red LEDs
- 1x - 10mm Diffused Common-Anode RGB LED

Capacitors:

- 10x - 1.0uF Ceramic capacitors
- 10x - 0.1uF Ceramic capacitors
- 10x - 0.01uF Ceramic capacitors
- 5x - 10uF 50V Electrolytic capacitors
- 5x - 100uF 16V Electrolytic capacitors

Resistors:

- 10x - 560 ohm 5% axial resistors
- 10x - 1K ohm 5% axial resistors
- 10x - 10K ohm 5% axial resistors
- 10x - 47K ohm 5% axial resistors

Semiconductors:

- 5x - 1N4001 Diodes
- 5x - 1N4148 Signal Diodes
- 5x - NPN Transistor PN2222 TO-92
- 5x - PNP Transistor PN2907 TO-92
- 2x - 5V 1.5A Linear voltage regulator - 7805 TO-220
- 1x - 3.3V 800mA Linear voltage regulator - LD1117-3.3 TO-220
- 1x - TLC555 wide-voltage range, low-power 555 Timer
- 1x - LM358 Dual operational Amplifier

Sensors:

- 1x - Photocell
- 1x - Thermistor (Breadboard version)
- 1x - Vibration sensor switch
- 1x - 10K Breadboard trim potentiometer
- 1x - 1K Breadboard trim potentiometer

Mechanical:

- 1x - Piezo buzzer
- 5x - 6mm Tactile switches
- 3x - SPDT slide switches
- 1x - 40-pin Break-away male header strip
- 1x - 40-pin female header strip

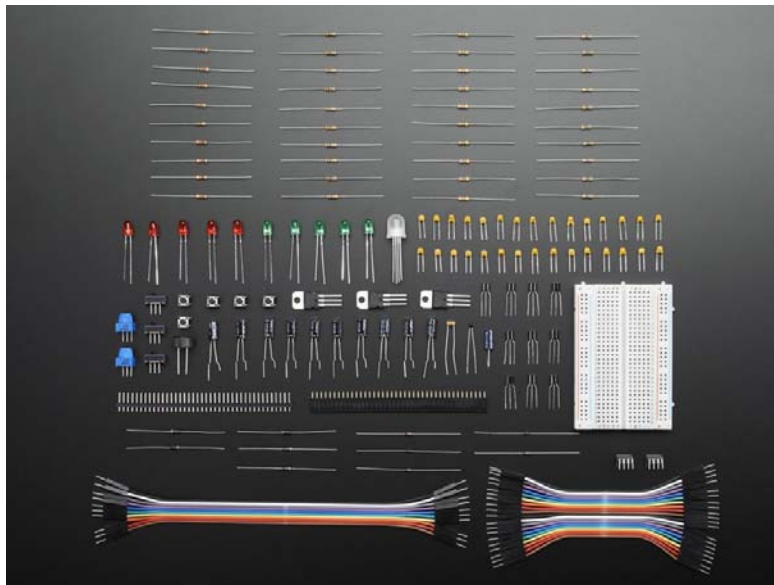
• Technical Details

Revision history

- As of July 20, 2016 we now include an LM358 dual opamp!

Datasheets:

- TLC555
- LM358
- PN2222A
- MPS2907A
- LD1117
- L7805CV
- Eletrolytic Capacitor
- Thermistor
 - Resistance at 25 degrees C: 10K +- 1%
 - B25/50 = 3950+- 1%
 - Thermal time constant <= 15 seconds
 - Thermistor temperature range -55 °C to 125 °C



<https://www.adafruit.com/product/2975> 8-1-17