

PHYB10 Student Kit Part Guide

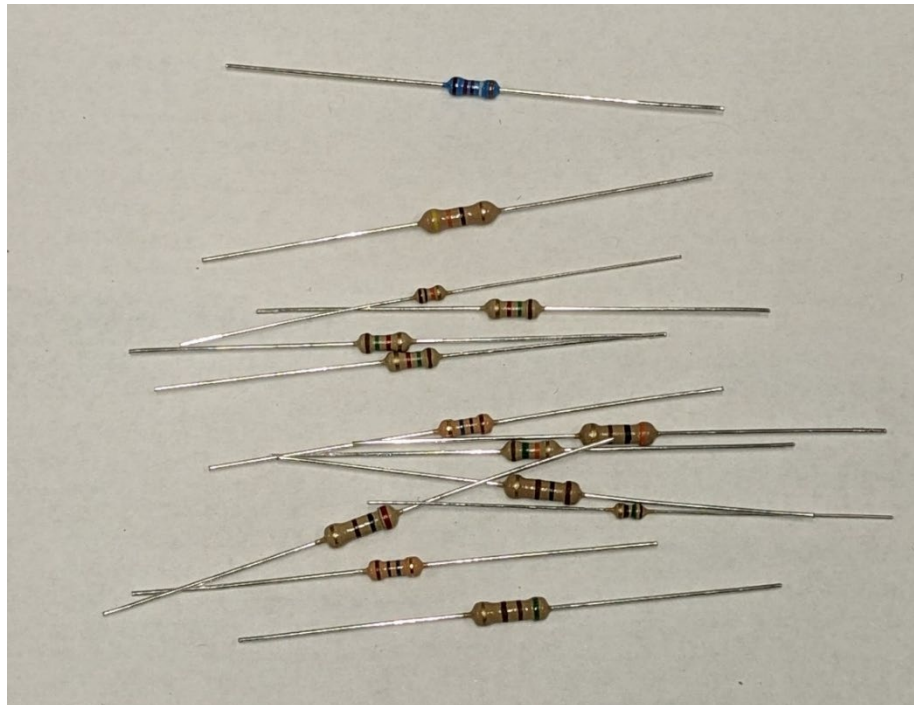
Use this kit to help identify the parts of your kit. All parts were ordered from Digikey. Parts can be searched on their website to find more information, in particular official manufacturer Data sheets:

www.digikey.ca

Resistors

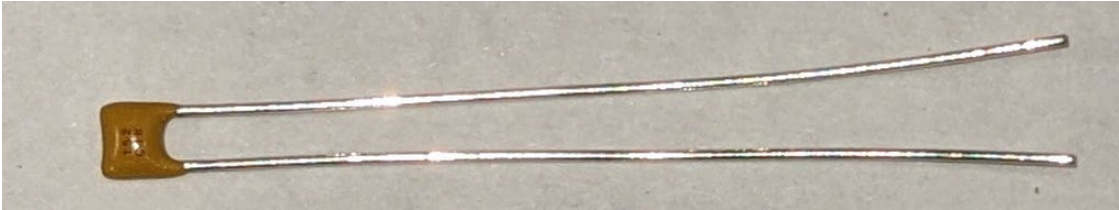
Can be identified by the bands on the body of the component. Instructions for reading the bands can be found in the Lab 1 guide

DigiKey Part Number	Description
CF12JT100RCT-ND	RES 100 OHM 5% 1/2W AXIAL
CF18JT150RCT-ND	RES 150 OHM 5% 1/8W AXIAL
CF12JT200RCT-ND	RES 200 OHM 5% 1/2W AXIAL
CF12JT300RCT-ND	RES 300 OHM 5% 1/2W AXIAL
CF12JT430RCT-ND	RES 430 OHM 5% 1/2W AXIAL
CF12JT510RCT-ND	RES 510 OHM 5% 1/2W AXIAL
S1.5KHCT-ND	RES 1.5K OHM 5% 1/2W AXIAL
CF18JT10K0CT-ND	RES 10K OHM 5% 1/8W AXIAL
10MQBK-ND	RES 10M OHM 5% 1/4W AXIAL
CF14JT15K0CT-ND	RES 15K OHM 5% 1/4W AXIAL
39.2KXBK-ND	RES 39.2K OHM 1% 1/4W AXIAL



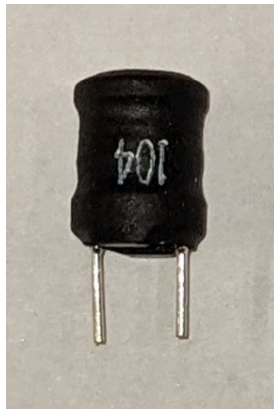
Capacitor

DigiKey Part Number	Description
478-3173-ND	CAP CER 1500PF 100V X7R RADIAL



Inductor

DigiKey Part Number	Description
M10029-ND	FIXED IND 100MH 20MA 235 OHM TH



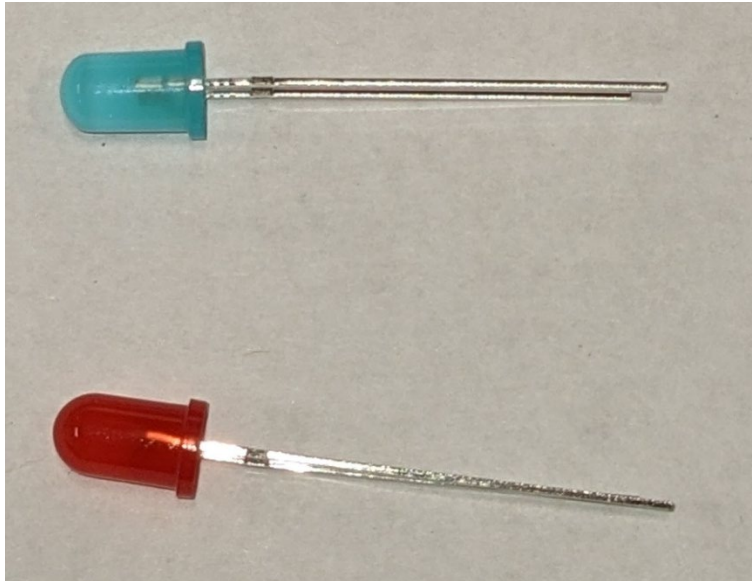
Thermistor

DigiKey Part Number	Description
317-1258-ND	THERMISTOR NTC 10KOHM 3470K BEAD



Light Emitting Diodes (LEDs)

DigiKey Part Number	Description
732-5015-ND	LED BLUE DIFFUSED 5MM ROUND T/H
732-5016-ND	LED RED DIFFUSED 5MM ROUND T/H



Transistors

DigiKey Part Number	Description
1514-2N4424PBFREE-ND	TRANS NPN 40V 0.5A TO92-3



Operational Amplifier (OpAmp)

DigiKey Part Number	Description
296-11107-5-ND	IC OPAMP GP 1 CIRCUIT 8DIP



Other parts

DigiKey Part Number	Description
GSPB-83M-ND	BREADBOARD ASSEMBLY 7.20X3.74"
BKWK-3-ND	JUMPER KIT VARIOUS 22AWG 70PCS
1050-1024-ND	ARDUINO UNO R3 ATMEGA328P EVAL
1597-1534-ND	CABLE A PLUG TO B PLUG 4.92'

