

Part	Value	Description	Qty	Digikey Link
C11,C2,C4, C14,C13,C12, C17,C6,C7	0.1uF	Capacitor	9	http://www.digikey.com/product-detail/en/CL10B104JO8NNNC/1276-1061-1-ND/3889147
C8	10nF	Capacitor	1	http://www.digikey.com/product-detail/en/CL10B103KB8NNNC/1276-1009-1-ND/3889095
C5	2.2nF	Capacitor	1	http://www.digikey.com/product-detail/en/CL10B222KB8SFNC/1276-1992-1-ND/3890078
C15,C16	2.2uF	Capacitor	2	http://www.digikey.com/product-detail/en/CL10A225KQ8NNNC/1276-1183-1-ND/3889269
C3	22uF	Capacitor	1	http://www.digikey.com/product-detail/en/CL10A226MQ8NRNC/1276-1193-1-ND/3889279
C1	10uf	Capacitor	1	http://www.digikey.com/product-detail/en/CL10A106MQ8NNNC/1276-1119-1-ND/3889205
C9,C10	4.7uF	Capacitor	2	http://www.digikey.com/product-detail/en/CL10A475KQ8NNNC/1276-1045-1-ND/3889131
	TPS61201	DC to DC Booster	1	http://www.digikey.com/product-detail/en/TPS61201DRCT/296-21684-1-ND/1536224
	LiPo	LiPo Plug	1	http://www.digikey.com/product-detail/en/S2B-PH-SM4-TB(LF)(SN)/455-1749-1-ND/926846
D4,D9	red	LEDs	2	http://www.digikey.com/product-detail/en/LTST-C191KRKT/160-1447-1-ND/386836
	MCP73831	LiPo Charger	1	http://www.digikey.com/product-detail/en/MCP73831T-2ACI%2FOT/MCP73831T-2ACI%2FOTCT-ND/1979802
R8,R16,R10, R15		330 Resistor	4	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&itemSeq=154337646&uq=635420138670435860
R2,R24	10k	Resistor	2	http://www.digikey.com/product-detail/en/RC0603JR-0710KL/311-10KGRCT-ND/729647
R1,R6		33 Resistor	2	http://www.digikey.com/product-detail/en/RC0603JR-0733RL/311-33GRCT-ND/729718
R3,R4	4.7k	Resistor	2	http://www.digikey.com/product-detail/en/RC0603JR-074K7L/311-4.7KGRCT-ND/729732
R7		470 Resistor	1	http://www.digikey.com/product-detail/en/RC0603JR-07470RL/311-470GRCT-ND/729738
R9		680 Resistor	1	http://www.digikey.com/product-detail/en/RC0603JR-07680RL/311-680GRCT-ND/729766
R5	2k	Resistor	1	book
	USB-MICROB	USB Connector	1	http://www.digikey.com/product-detail/en/10118192-0001LF/609-4613-1-ND/2785378
D1,LED3	GREEN	LEDs	2	http://www.digikey.com/product-detail/en/LTST-C191KGKT/160-1446-1-ND/386834
L1	4.7uH	Inductor	1	http://www.digikey.com/product-detail/en/CDRH2D18%2FHPNP-4R7NC/308-2297-1-ND/4356367
	MPU-6050-1	Motion chip	1	http://www.digikey.com/product-detail/en/MPU-6050/1428-1007-1-ND/4038010
LED1	orange	LEDs	1	http://www.digikey.com/product-detail/en/LTST-C191KFKT/160-1445-1-ND/386832
	small power	Switch	1	https://www.sparkfun.com/products/8769
	micro	MK20DX128VLH5	1	http://www.digikey.com/product-search/en?Keywords=MK20DX128VLH5
L4,L3,L2	ferrites	0.5 ohm DC resistan	3	http://www.digikey.com/product-detail/en/742792042/732-4642-1-ND/4310359
	Oscillator	CRYSTAL 16MHZ	1	http://www.digikey.com/product-detail/en/NX3225SA-16MHZ-STD-CSR-6/644-1182-2-ND/3125641
programming conenctor	Header	Header 10	1	http://www.digikey.com/product-detail/en/68021-210HLF/609-3410-ND/1657834
	Bluetooth	Bluetooth	1	http://www.digikey.com/product-detail/en/RN42-I%2FRM/740-1038-ND/2357707