

Part	Value	Package	Manufacturer	Description	Part Num
C1	10uF	0603-CAP	Kemet	Capacitor	C0603C106M9PACTU
C2	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C3	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C4	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C5	10uF	EIA3216	AVX Interconnect / Elco	Capacitor Polarized	TAJA106K016RNJ
C6	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C7	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C8	10uF	EIA3216	AVX Interconnect / Elco	Capacitor Polarized	TAJA106K016RNJ
C9	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C10	4.7uF	0603-CAP	Murata	Capacitor	GRM188F51A475ZE20D
C11	4.7uF	0603-CAP	Murata	Capacitor	GRM188F51A475ZE20D
C12	10uF	1206-CAP	Taiyo Yuden	Capacitor	GMK316BJ106KL
C13	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C14	0.1uF	0603-CAP	Murata	Capacitor	GCM188R71H104KA57D
C15	22uF	0805-CAP	Taiyo Yuden	Capacitor	EMK212BBJ226MG
D1	red	LED-0603	Kingbright	LEDs	APTD1608SURCK
D2	50v 1A	SMA-DIODE	Fairchild Semiconductor	Diode	S1A
J1		JST-2-SMD	JST	Mates to single-cell LiPo batteries.	S2B-PH-SM4-TB(LF)(SN)
JP2	USB-MICROB	USB-MICROB	JAE Electronics	USB Connectors	DX4R005JJ2R1800
L1	4.7uH, 1.2A	CDRH2D09	Sumida	Inductors	CDRH2D18/HPNP-4R7NC
Q1	MMBT3904	SOT23-3	ON Semiconductor	Generic NPN BJT	MMBT3904LT1G
R1	10K	0603-RES	Vishay Draloric	Resistor	CRCW060310K0FKEA
R2	10K	0603-RES	Vishay Draloric	Resistor	CRCW060310K0FKEA
R3	1K	0603-RES	Vishay Draloric	Resistor	CRCW06031K00FKEA
R4	33	0603-RES	Vishay Draloric	Resistor	CRCW060333R0FKEA
R5	2K	0603-RES	Vishay Draloric	Resistor	CRCW06032K00FKEA
R6	2M	0603-RES	Vishay Draloric	Resistor	CRCW06032M00FKEA
R7	220k	0603-RES	Vishay Draloric	Resistor	CRCW0603220KFKEA
R8	1.2M	0603-RES	Vishay Draloric	Resistor	CRCW06031M20FKEA
R9	220k	0603-RES	Vishay Draloric	Resistor	CRCW0603220KFKEA
R10	470	0603-RES	Vishay Draloric	Resistor	CRCW0603470RFKEA
U\$1	MOTOR10MM	VIBE-MOTOR-10MM	Parallax	Vibration Motor	28821
U1	RFD22301	RFD22301	RFDuino	Bluetooth low energy board	RFD22301
U2	VCNL4000	VCNL4000	Vishay Semiconductor	Proximity and Ambient Light sensor	VCNL4000-GS08
U3	ADXL345	LGA14	Analog Devices	3-axis SPI/I2C 2/4/8/16g accelerometer	ADXL345BCCZ
U4	MCP73831	SOT23-5	Microchip	Li-Polymer charging circuitry	MCP73831T-2ACI/OT
U5	TPS61200	QFN-10_PAD	Texas Instruments	DC to DC Booster	TPS61200DRCR
U6	ATAES132	SOIC8	Atmel	32Kb Serial EEPROM.	ATAES132-SH-ER