

Manufacturer	Manu #	Distributor	Dist #	Qty	Price	Ext. Price	Description	Designator	Footprint	Link
Arduino	Due	Adafruit		1076	1	49.95	49.95 Microcontroller	removable part		https://www.adafruit.com/products/1076
		Adafruit		85	1	1.95	1.95 Arduino Uno R3 headers	no label on PCB	0.1008E pitch	http://www.adafruit.com/products/85
		Adafruit		102	1	7.95	7.95 MicroSD card	removable part		http://www.adafruit.com/products/102
		Adafruit		380	1	0.95	0.95 CR1220 backup battery	removable part		https://www.adafruit.com/products/380
Globaltop	FGPMMOPA6H	Adafruit		790	1	29.95	29.95 GPS unit	U3	http://www.adafruit.com/datasheets/GlobalTop-FGPMMOPA6H-Datasheet-V0A.pdf	http://www.adafruit.com/products/790
		Adafruit		960	1	12.95	12.95 GPS antenna	removable part		http://www.adafruit.com/products/960
JST	S2B-PH-K-S?	Adafruit		1769	1	0.75	0.75 2-pin socket for battery	J3	http://www.adafruit.com/datasheets/17311.pdf	http://www.adafruit.com/products/1769
		Adafruit		270	3	9.95	29.85 Type K thermocouples	removable part		http://www.adafruit.com/products/270
4UCON		Adafruit		366	1	0.95	0.95 10-pin socket for XBee	X1	2 mm pitch	http://www.adafruit.com/products/366
Digi	Xbee Series 1	Adafruit		128	1	22.95	22.95 XBee transmitter	removable part	22 mm spacing, https://www.sparkfun.com/datasheets/Wireless/Zigbee/XBee-Dimensional.pdf	http://www.adafruit.com/products/128
Stackpole	RMCF0805JT1K00	Digikey	RMCF0805JT1K00CT-ND	12	0.02		0.24 1k resistor	R1-R12	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT1K00/RMCF0805JT1K00CT-ND/
		Digikey	RMCF0805JT2K00	1	0.1		0.1 2k resistor	R25	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT2K00/RMCF0805JT2K00CT-ND/
Stackpole	RMCF0805JT10K0	Digikey	RMCF0805JT10K0CT-ND	5	0.1		0.5 10k resistor	R13-R19	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT10K0/RMCF0805JT10K0CT-ND/
Stackpole	RMCF0805JT200K	Digikey	RMCF0805JT200KCT-ND	1	0.1		0.1 200k resistor	R22	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT200K/RMCF0805JT200KCT-ND/
Stackpole	RMCF0805JT340K	Digikey	RMCF0805JT340KCT-ND	2	0.1		0.2 340k resistor	R20-R21	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT340K/RMCF0805JT340KCT-ND/
Stackpole	RMCF0805JT1M80	Digikey	RMCF0805JT1M80CT-ND	2	0.1		0.2 1.80 Mohm resistor	R23-R24	0805 (2012 metric)	http://www.digikey.com/product-detail/en/RMCF0805JT1M80/RMCF0805JT1M80CT-ND/
Lite-On	LTST-C170GKT	Digikey	160-1179-1-ND	5	0.34		1.7 Green 0805 LED	LED2 3 5 7 11 12	0805 (2012 metric)	http://www.digikey.com/product-detail/en/LTST-C170GKT/160-1179-1-ND/
Lite-On	LTST-C170CKT	Digikey	160-1176-1-ND	4	0.39		1.56 Red 0805 LED	LED1 4 9	0805 (2012 metric)	http://www.digikey.com/product-detail/en/LTST-C170CKT/160-1176-1-ND/
Lite-On	LTST-C170YKT	Digikey	160-1175-1-ND	2	0.36		0.72 Yellow 0805 LED	LED8 10	0805 (2012 metric)	http://www.digikey.com/product-detail/en/LTST-C170YKT/160-1175-1-ND/
Lite-On	LTST-C170TBKT	Digikey	160-1579-1-ND	1	0.39		0.39 Blue 0805 LED	LED6	0805 (2012 metric)	http://www.digikey.com/product-detail/en/LTST-C170TBKT/160-1579-1-ND/
Murata	GRM31CR60J107ME39K	Digikey	490-7217-1-ND	1	0.81		0.81 100 uF/6V capacitor for battery boost	C20	1206 (3216 metric)	http://www.digikey.com/product-detail/en/GRM31CR60J107ME39K/490-7217-1-ND/
Yageo	CC1206KKX7R5BB106	Digikey	311-1949-1-ND	12	0.18		2.16 10 uF capacitor	C1-C12	1206 (3216 metric)	http://www.digikey.com/product-detail/en/CC1206KKX7R5BB106/311-1949-1-ND/
Yageo	CC1206KKX7R6BB225	Digikey	311-1953-1-ND	1	0.16		0.16 2.2 uF capacitor	C21	1206 (3216 metric)	http://www.digikey.com/product-detail/en/CC1206KKX7R6BB225/311-1953-1-ND/
Yageo	CC1206KRX7R9BB104	Digikey	311-1179-1-ND	3	0.1		0.3 100 nF capacitor	C13-C16	1206 (3216 metric)	http://www.digikey.com/product-detail/en/CC1206KRX7R9BB104/311-1179-1-ND/
Yageo	CC1206KRX7R9BB103	Digikey	311-1174-1-ND	3	0.13		0.39 10 nF capacitor for TC	C17-C19	1206 (3216 metric)	http://www.digikey.com/product-detail/en/CC1206KRX7R9BB103/311-1174-1-ND/
Laird	TYSS0406R8M-10	Digikey	240-2719-1-ND	1	0.5		0.5 6.8 uH inductor	L1	2020 (8050 metric)	http://www.digikey.com/product-detail/en/TYSS0406R8M-10/240-2719-1-ND/
MPD	BH501	Digikey	BH501-ND	1	1.34		1.34 Backup battery socket	BT1	http://www.memoryprotectiondevices.com/datasheets/BH501-datasheet.pdf	http://www.digikey.com/product-detail/en/BH501/BH501-ND/
Richtek	RT9193-3.3GB	Digikey	1028-1014-1-ND	1	0.49		0.49 3.3 V boost converter	U4	SOT-23-5, http://www.richtek.com/assets/product_file/RT9193/DS9193-16.pdf	http://www.digikey.com/product-detail/en/RT9193-33GB/1028-1014-1-ND/
Amphenol		132134 Digikey	ACX1230-ND	1	4.68		4.68 GPS antenna connector	J1	http://www.amphenolrf.com/media/downloads/2187/132134.pdf	http://www.digikey.com/product-detail/en/132134/ACX1230-ND
FCI	10103592-0001LF	Digikey	609-4048-1-ND	1	0.76		0.76 MicroUSB socket	J2 (no label on PCB)	http://portal.fciconnect.com/Comergent/fci/drawing/10103592.pdf	http://www.digikey.com/product-detail/en/10103592-0001LF/609-4048-1-ND
Bel Fuse	C1Q 500	Digikey	507-1075-1-ND	1	0.31		0.31 500 mA fuse	F1	1206 (3216 metric)	http://www.digikey.com/product-detail/en/C1Q%2520500/507-1075-1-ND
OST	OSTTE020104	Digikey	ED2740-ND	3	0.38		1.14 2-pin screw terminal for TC	TC1 TC2 TC3	3.5 mm, http://www.on-shore.com/sites/default/files/manuals/osttexas0164_0.pdf	http://www.digikey.com/product-detail/en/OSTTE020104/ED2740-ND
Maxim	MAX31855KASA+	Digikey	MAX31855KASA+-ND	3	4.5		13.5 Thermocouple amplifier	U7 U8 U9	SOIC-8, http://pdfserv.maximintegrated.com/land_patterns/90-0096.PDF	http://www.digikey.com/product-detail/en/MAX31855KASA%2BMAX31855KASA%2B-ND
Laird	HZ0805E601R-10	Digikey	240-2399-1-ND	7	0.1		0.7 Ferrite beads	FB1-FB7	0805 (2012 metric)	http://www.digikey.com/product-detail/en/LP2980AIM5-3.3%2FNOPB/LP2980AIM5-3.3%2FNOPBCT-ND/
Texas Instruments	LP2980AIM5-3.3/NOPB	Digikey	LP2980AIM5-3.3/NOPBCT-ND	3	0.69		2.07 3.3 V buck regulator	U10-U12	SOT-23-5, http://www.ti.com/lit/ml/mpds0181/mpds0181.pdf	http://www.digikey.com/product-detail/en/LP2980AIM5-3.3%2FNOPB/LP2980AIM5-3.3%2FNOPBCT-ND/
Texas Instruments	CD74HC4050M	Digikey	296-9214-5-ND	1	0.57		0.57 Non-inverting buffer	U2	SOIC-16, http://www.ti.com/lit/ml/mpds178g/mpds178g.pdf	http://www.digikey.com/product-detail/en/CD74HC4050M/296-9214-5-ND
Micrel	MIC5219-3.3YM5	Digikey	576-1281-1-ND	1	1.82		1.82 3.3 V LDO regulator for XBee	U5	SOT-23-5, http://www.farnell.com/datasheets/683599.pdf	http://www.digikey.com/product-detail/en/MIC5219-3.3YM5/TR576-1281-1-ND
Texas Instruments	TPS61030RSAR	Digikey	296-16660-1-ND	1	3.15		3.15 5 V boost converter	U13	QFN-16, http://www.ti.com/lit/ml/mpdf145c/mpdf145c.pdf	http://www.digikey.com/product-detail/en/TPS61030RSAR/296-16660-1-ND
3M	2908-05WB-MG	Digikey	3MS607CT-ND	1	3.6		3.6 MicroSD card socket	U1	http://www.farnell.com/datasheets/190891.pdf	http://www.digikey.com/product-detail/en/2908-05WB-MG/3MS607CT-ND
Microchip	MCP73831T-2ACI%2FOTCT	Digikey	MCP73831T-2ACI%2FOTCT-ND	1	0.67		0.67 LiPo charge controller	U6	SOT-23-5, http://www.farnell.com/datasheets/630369.pdf	http://www.digikey.com/product-detail/en/MCP73831T-2ACI%2FOTCT/MCP73831T-2ACI%2FOTCT-ND
On Semiconductor	MMUN2133LT1G	Digikey	MMUN2133LT1GOSCT-ND	1	0.13		0.13 PNP transistor with bias network	Q1	SOT-23, http://www.farnell.com/datasheets/1708306.pdf	http://www.digikey.com/product-detail/en/MMUN2133LT1G/MMUN2133LT1GOSCT-ND
On Semiconductor	MBR120VLSFT1G	Digikey	MBR120VLSFT1GOSCT-ND	1	0.47		0.47 Protection diode	D1	SOD-123FL	http://www.digikey.com/product-detail/en/MBR120VLSFT1G/MBR120VLSFT1GOSCT-ND
		Itead Studio	IM120531023	1	1.5		1.5 Arduino Mega headers	no label on PCB	0.1008E pitch	http://firmware.itead.cc/arduino-mega-stackable-header-kit.html

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