

Part #	Description	Manufacturer	Manufacturer Part #	Vendor	Vendor Part #	Unit Cost	Lead Time	QTY for 1 Unit	\$ for one Unit	QTY for 8 Boards	Price for 8 Boards
C1, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D	Mouser	81-GRM155R71A104KA1D	0.02	0	14	0.28	200	4
C100, C102	Capacitor, 47pF, 5%, 50V, 0402	Murata	GRM1555C1H470JZ01D	Digikey	490-1287-1-ND	0.015	0	2	0.03	30	0.45
C101	Capacitor, 10pF, 5%, 50V, 0402	Murata	GRM1555C1H100JZ01D	Mouser	81-GRM1555C1H100JZ01	0.03	0	1	0.03	30	0.9
C114, C117	CAP CER 1.0UF 10V X7R 0805	Taiyo Yuden	LMK212B7105KD-T	Digikey	587-1284-1-ND	0.33	0	2	0.66	20	6.6
C201, C2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D	Mouser	81-GRM155R60J105KE19	0.06	0	1	0.06	12	0.72
C202, C203	Capacitor, 27p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H270JZ01D	Mouser	81-GRM1555C1H270JZ01	0.03	0	2	0.06	20	0.6
C301, C302	Capacitor, 1p8, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R8CZ01D	Digikey	490-3203-1-ND	0.026	0	2 (10 min)	0.26	20	0.52
C303, C304	Capacitor, 10p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H100JZ01D	Digikey	490-1278-1-ND	0.019	0	2 (10 min)	0.19	20	0.38
C401	Capacitor, 6p8, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H6R8CZ01D	Mouser	81-GRM1555C1H6R8CZ01	0.03	0	1	0.03	12	0.36
C402	Capacitor, 1p5, 0402, NP0, +/-0.25pF, 50V	Murata	GRM1555C1H1R5CZ01D	Mouser	81-GRM36C1R5C50	0.03	0	1	0.03	12	0.36
C403	Capacitor, 2p7, 0402, NP0, +/-0.25pF, 50V	Murata	GRM1555C1H2R7CZ01D	Mouser	81-GRM36C2R7C50	0.03	0	1	0.03	12	0.36
J1	USB Connector (female -type B)	Tyco Electronics / AMP	292304-2	Digikey	A98573-ND	2.11	0	1	2.11	9	18.99
J3	Power Connector	Molex	39301021	Digikey	WM1363-ND	1.88	0	1	1.88	9	16.92
J4	Programming Connector	FCI	95278-101A10LF	Digikey	609-3483-1-ND	1.38	0	1	1.38	9	12.42
J5	Ground Connector	Keystone Electronics	590	Digikey	590K-ND	0.2	0	1	0.2	9	1.8
L301, L302	Inductor, 1n0, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS1N0S02D	Mouser	81-LQG15HS1N0S02D	0.04	0	2	0.08	20	0.8
L401	Inductor, 1n5, 0402, wire-wound type, +/-0.1 nH	Murata	LQW15AN1N5B00D	Mouser	81-LQW15AN1N5B00D	0.34	0	1	0.34	12	4.08
L402	Inductor, 1n0, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS1N0S02D	Mouser	81-LQG15HS1N0S02D	0.04	0	1	0.04	12	0.48
P001	Antenna	Pulse	W1030	Digikey	553-1309-ND	4.05	0	1	4.05	9	36.45
P002	Evaluation Board	Texas Instruments	CC2531EMK	Texas Instrumcments	CC2531EMK	49	0	2	98	2	98
P003	CC Debugger	Texas Instruments	CC-DEBUGGER	Texas Instrumcments	CC-DEBUGGER	49	0	1	49	1	49
P004	PCB Board			Advanced Circuits		28.27		1	28.27	10	282.7
P2	RF Connector	Connector City	CONREV SMA002	Mouser	712-CONREV SMA002	3.31	0	1	3.31	9	29.79
R100, R102	Resistor, 33ohm, ±1%, 0603	Koa	RK73H1JTTD33R0F	Mouser	660-RK73H1JTTD33R0F	0.08	0	2	0.16	20	1.6
R101	Resistor, 1,5kohms, ±1%, 0402	Panasonic - ECG	ERJ-2RKF1501X	Digikey	P1.50KLTR-ND	0.06	0	1	0.06	12	0.72
R201	Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F	Mouser	660-RK73H1ETTP5602F	0.08	0	1	0.08	12	0.96
R401	Resistor, 4k3 ohms, 0402, 2%	Koa	RK73H1ETTP4301F	Mouser	660-RK73H1ETTP4301F	0.06	0	1	0.06	12	0.72
SW1	SWITCH SLIDE DPDT 6VDC 0.3A PCMNT	C&K Components	JS202011CQN	Digikey	401-2001-ND	0.44	0	1	0.44	12	5.28
U1	System on Chip - CC2531	Texas Instruments	CC2531F256RHAT	Digikey	296-25186-1-ND	13.12	0	1	13.12	9	118.08
U2	Power Amplifier - CC2591	Texas Instruments	CC2591RGVT	Digikey	296-23603-1-ND	5.85	0	1	5.85	9	52.65
U3	Linear Regulator	Diodes INC	AP7215-33YG-13	Digikey	AP7215-33YG-13DICT-ND	0.66	0	1	0.66	10	6.6
U4	LED Bank	Dialight	551-1307-004F	Digikey	350-1680-ND	4.08	0	1	4.08	9	36.72
U5	RES ARRAY 1.0K OHM 5% 8 RES SMD	Panasonic - ECG	EXB-2HV102JV	Digikey	Y1102CT-ND	0.63	0	1	0.63	12	7.56
Y1	CRYSTAL 32.000 MHZ 13PF SMD	ECS Inc	ECS-320-13-42-CKM-TR	Digikey	XC1615CT-ND	1.74	0	1	1.74	12	20.88
						Total for 1 board			217.2	Total (+extra supply)	<b>818.45</b>
						Price for an additional board			70.2		