

NOTE – NP means NOT POPULATED

																	OmniSense Consigned		Prosoyo Purchased	
Item	Qty	Reference	Part Name	Part Number	Value	Tolerance	#pads	Manufacturer	Description	U/P(USD) for 5Ksets	U/P(USD) for 20Ksets	MOQ	SPQ	L/T	Remark	Consign	U/P(USD) for 5Ksets	U/P(USD) for 20Ksets	U/P(USD) for 5Ksets	U/P(USD) for 20Ksets
1	1	C1	CAP0402.33pF +/-5%		33pF	+/-5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
2	1	C10	CAP0402.10nF +/-5%		10nF	10%	2	Various	0402 SMT Capacitor XTR	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
3	1	C11	CAP0402.33pF +/-25pF		33pF	+/-25pF	0	Various	0402 SMT Capacitor CGG	0.0023	0.0023	4k	4k	4wks	Brand Yageo 50V	N			0.0023	0.0023
4	0	C12	NP	NP			0									N				
5	0	C13	CAP0402.33pF +/-25pF		33pF	+/-25pF	2	Various	0402 SMT Capacitor CGG	0.0023	0.0023	4k	4k	4wks	Brand Yageo 50V	N			0.0023	0.0023
6	0	C14	NP	NP			0									N				
7	1	C15	CAP0402.2.2pF +/-5%		2.2pF	+/-25pF	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
8	0	C16	NP	NP			0									N				
9	0	C17	CAP0402.3.3nF +/-10%		3.3nF	+/-10%	2	Various	0402 SMT Capacitor XTR	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
10	0	C18	NP	NP			0									N				
11	0	C19	NP	NP			0									N				
12	0	C2	NP	NP			0									N				
13	0	C20	NP	NP			0									N				
14	0	C21	NP	NP			0									N				
15	0	C22	NP	NP			0									N				
16	0	C23	NP	NP			0									N				
17	1	C84	CAP0402.2.2pF +/-10%		2.2pF	+/-25pF	2	Various	0402 SMT Capacitor CGG	0.0023	0.0023	4k	4k	4wks	Brand Yageo 50V	N			0.0023	0.0023
18	0	C85	NP	NP			0									N				
19	1	C86	CAP0402.33pF +/-5%		33pF	+/-5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
20	1	C9	CAP0603.1uF 20%		1 uF	20%	2	Various	0603 SMT Capacitor YSV	0.0051	0.0051	4k	4k	4wks	Brand Yageo or Fenghua 16V	N			0.0051	0.0051
21	1	C4	CAP0402.1uF 20%		1 uF	20%	2	Various	0402 SMT Capacitor YSV	0.0051	0.0051	4k	4k	4wks	Brand Yageo or Fenghua 16V	N			0.0051	0.0051
22	1	C5	CAP0402.15pF 5%		15pF	5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
23	1	C6	CAP0402.15pF 5%		15pF	5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
24	1	C7	CAP0402.33pF +/-5%		33pF	+/-5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
25	1	C8	CAP0402.33pF +/-5%		33pF	+/-5%	2	Various	0402 SMT Capacitor CGG	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
26	1	C9	CAP0402.4.7nF 20%		4.7nF	20%	2	Various	0402 SMT Capacitor XTR	0.0019	0.0019	4k	4k	4wks	Brand Yageo 50V	N			0.0019	0.0019
27	0	D1	NP	NP			0									N				
28	0	D2	NP	NP			0									N				
29	0	D3	NP	NP			0									N				
30	0	D4	NP	NP			0									N				
31	1	J1	RF-SMA	SMA-060270RE			1	Easton	Reverse Polarity SMA connector, right angle PCB mount	0.4700	0.4700					N			0.4700	0.4700
32	0	J2	14 pin DIP header 0.100"	NP			0	many	header, 14 pin dual in line, .100" spacing							N				
33	0	J5	NP	NP			0									N				
34	0	J7-1	NP	NP			0									N				
35	0	J7-2	NP	NP			0									N				
36	0	J8	NP	NP			0									N				
37	1	L1	IND-0402.18mH 2%		18mH	2%	2	Various	SURFACE MOUNT CHIP INDUCTOR 0402	0.0513	0.0513	3K	3K	2WKS		N			0.0513	0.0513
38	1	L3	IND-0402.12mH 2%		12mH	2%	2	Various	SURFACE MOUNT CHIP INDUCTOR 0402	0.0513	0.0513	3K	3K	2WKS		N			0.0513	0.0513
39	1	L4	IND-0402.18mH 2%		18mH	2%	2	Various	SURFACE MOUNT CHIP INDUCTOR 0402	0.0513	0.0513	3K	3K	2WKS		N			0.0513	0.0513
40	1	L5	IND-0402.18mH 2%		18mH	2%	2	Various	SURFACE MOUNT CHIP INDUCTOR 0402	0.0513	0.0513	3K	3K	2WKS		N			0.0513	0.0513
41	1	PCB1	PCB-S1-016	PCB-S1-016			0		Sensor PCB	0.1795	0.1731	5K		2wks	FR-4,1.6mm,1/1 oz finish copper/Assume)HAL(Assume)2Layers, Unit size:2.25"x1.375"	N			0.1795	0.1731
42	0	R1	NP	NP			0									N				
43	0	R10	NP	NP			0									N				
44	0	R11	NP	NP			0									N				
45	1	R12	RES0603.0.10%		0 Ohm	10%	2	Various	0603 SURFACE MOUNT RESISTOR, 1/10W	0.0005	0.0005	5k	5k	3wks	Brand Yageo or Fenghua 5%	N			0.0005	0.0005
46	1	R13	RES0603.0.10%		0 Ohm	10%	2	Various	0603 SURFACE MOUNT RESISTOR, 1/10W	0.0005	0.0005	5k	5k	3wks	Brand Yageo or Fenghua 5%	N			0.0005	0.0005
47	1	R14	NP	NP			0									N				
48	1	R2	RES0603.10K.10%		10K	10%	2	Various	0603 SURFACE MOUNT RESISTOR, 1/10W	0.0005	0.0005	5k	5k	3wks	Brand Yageo or Fenghua 5%	N			0.0005	0.0005
49	0	R3	NP	NP			0									N				
50	1	R4	RES0603.10K.10%		10K	10%	2	Various	0603 SURFACE MOUNT RESISTOR, 1/10W	0.0005	0.0005	5k	5k	3wks	Brand Yageo or Fenghua 5%	N			0.0005	0.0005
51	0	R5	NP	NP			0									N				
52	0	R6	NP	NP			0									N				
53	1	R7	RES0402.1M.1%		1M	1%	2	Various	0402 SURFACE MOUNT RESISTOR, 1/10W	0.0010	0.0010	5k	5k	3wks	Brand Yageo or Fenghua	N			0.0010	0.0010
54	1	R8	RES0402.22K.1%		22K	1%	2	Various	0402 SURFACE MOUNT RESISTOR, 1/10W	0.0010	0.0010	5k	5k	3wks	Brand Yageo or Fenghua	N			0.0010	0.0010
55	0	R9	NP	NP			0									N				
56	0	SW1	NP	NP			0									N				
57	0	SW2	NP	NP			0									N				
58	1	U1	MSP430F1232	MSP430F1232PW			28	Texas Instruments	Microcontroller with 8KB FLASH	2.0000	2.0000	1K		50 b/wks	TI PIN: MSP430F1232PW	Y	2.0000	2.0000		
59	1	U2	NP	NP			0									N				
60	0	U3	NP	NP			0									N				
61	1	U4	NRF905	NRFR05			32	Nordic VLSI	Single Chip 433/868/915 Mhz Radio Transceiver	2.4900	2.4100		2.5K	8wks		Y	2.4900	2.4100		
62	0	U5	NP	NP			0									N				
63	1	Y1	16.0 Mhz XTAL	MA03057	16.000 Mhz		4	Golledge	2.5mmx4.0mm, 16.00 Mhz XTAL, CL=9, Co=7, ESRmax=100, +/-30ppm	0.3500	0.3500	1K	1K	6-8wks	Raltron pin: H120B-16.000-9-1010-TR	N			0.3500	0.3500
64	1	Y2	32769 Hz SMD watch xtal	MS07177	32.7690 KHz		3	Microcrystal	32.7690KHz MS1V-T1K Crystal s20 12.5pF	0.1850	0.1850	2K	2K	4-6wks	Citizen pin: CMR200TB32.768KQZFTTR-LF(LF/Craps-free)	N	0.2100	0.2100	0.1850	0.1850
65	1		Packing bag						antistatic bubble bag							N				
66	1	SH1	Shield	BMIS-101				Land Technology	RF Shield	0.2400	0.2400					Y	0.2400	0.2400		
67	1		Carton , etc						Carton , ect							N			0.1280	0.1280
Total:										6.2862	6.2818					N	4.9400	4.8600	1.3860	1.3518

Last Update : 24 APRIL 2005.

Tooling Charge:

Description	USD
PCB Tooling, E Test, Set Up	400
Stencil	250
Total:	650

Production Cost :	Turnkey 5K Up/Lot	Turnkey 20K Up/Lot	Turnkey 100K Up/Lot	Consignment 5K Up/Lot	Consignment 20K Up/Lot	Consignment 100K Up/Lot
Total Material Cost	6.2862	6.2818	6.2818	1.6502	1.5518	1.5518
Material Handling Cost	0.6288	0.6202	0.6202	0.3040	0.3010	0.3010
Assembly, Programming & Testing, Profit	1.1122	0.9488	0.7395	1.1122	0.9488	0.7395
Total Unit Cost :	8.03	7.77	7.59	2.97	2.80	2.59

Total COG ex-shipping 7.91