



TITLE: Wireless R1.2 UC Board BOM

DESIGN: uc

PROJECT PATH: L:\ecad_proj\GPS_ZMY12\new_wireless_12v1\UC\0084012283001_2\84012283001_2.cpm

DATE: 11/12/2010

VERSION: 16.2-s004 (v16-2-57AC)

TEMPLATE: L:\ecad_proj\GPS_ZMY12\new_wireless_12v1\UC\0084012283001_2\worklib\uc\bom\UC_BOMList_Template_with_DNI_DETAIL.bom

Qty	Part Name	DESCRIPTION	Ref Des	BOM_IGNORE
			GND,AGND,GND1,GND3,LED_ UP,ADS_COM,VDD_1V8,VDD_ 3V3,RADIO_PTT,DONGLE_PTT ,RADIO_VBUS,RADMIC_A_P,R ADSPKR_A_P,BT_LINKSTATUS	
14	TPSM1_00	OTHER,TEST POINT 1.00 MM DIA	C101	
1	2113945A03	CAP,CHIP,330PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	C102,C703,C806	
3	2113944A31	CAP,CHIP,33PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P	C701,C803	
2	2113946D07	CAP,CHIP,4.7UF,+10%,-10%,6.3V-DC,0603,X5R,-55DEG CMIN,85DEG CMA	C702,C802	
2	2113946535	CAP,CHIP,1UF,+10%,-10%,16V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX,P	C72,C73,C74,C75,C76,C78,C7	
8	2113944A40	CAP,CHIP,100PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX	9,C80	
5	2113945B02	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	C77,C82,R72,R76,C801	
1	2113956A51	CAP,FXD,1UF,+10%,-10%,6.3V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX,P	C804	DNI
1	2113946535	CAP,CHIP,1UF,+10%,-10%,16V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX,P	C805	DNI
2	2113944A42	CAP,CHIP,150PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX	C81,C83	
8	0613952R66	RES,MF,0OHM,5%,.0625W,SM,0402,PB-FREE	C84,R69,R70,R71,R73,E100,E1	
5	7688697V02	FLTR,EMI/RFI,200MA,SM,0402	05,E106	
1	0104041J76	ASSY,BRKT,ASSEMBLY, BASE PLT	E101,E102,E103,E104,E107	
1	0988248Y03	CONN ZIF,FLXCKT,1 ROW,RCPT,6CONT,.5MM,GOLD FLASH,0.3MM, FPC	GCA1	
1	09012058001	CONN,30CONT,CONN, BTB, REP, 30 CONT	J10	
2	2478057A34	CHIP INDUCTOR,RF,43NH,2%,SM,0603 HI Q CHIP IDCTR	J600	
2	24010062013	CHIP INDUCTOR,RF,47NH,2%,SM,47NH, 0402 HI Q CHIP IDCTR	L11,L12	
1	4809579E77	XSTR,FET GP SS,MOSFET,N-CH,SM,30V,1.2X1.2MM PKG W18 COMP	L13,L14	
4	0613952Q49	RES,MF,100,5,.0625W,SM,0402,200, PB-FREE	Q101	
1	0613952Q73	RES,MF,1KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R67,R68,R75,R101	
2	0613952R25	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R102	
1	0613952Q68	RES,MF,620OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R103,R803	
2	0613952R49	RES,MF,1MOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R64	DNI
1	0613952Q90	RES,MF,5.1KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R701,R804	
1	5187970T01	IC,LINEAR VOLTAGE REGULATOR,FXD,100MA,SOT-23,SOT-23/5,LOW DRO	R802	
1	528568-001-00	IC,PRPHL INTFC,UPSTREAM,USB PORT TERM,NUF2221,SM,SOT-363,LEAD-	U70	
1	5185287Y01	IC,EEPROM,4 KB,SOIC	U71	
1	51012214001	IC,LNR V REGLTR,FXD,250MA,SM,250 MA LOW-NOISE ULTRA LOW DROP	U72	
1	48012097001	SRG PROTR,SRG PROTR,SM,12V,60PF,5 LINE TRANSIENT V SUPR	U80	
1	4813979M41	DIODE ARRAY,SUPR,SM,SOT-553,6.8V,.38W,ZEN,4,PB-FREE	VR1	
			VR2	

TITLE: Wireless R1.2 Main Board BOM

DESIGN: main

PROJECT PATH: L:\ecad_proj\GPS_ZMY12\new_wireless_12v1\main\0084012301001_2\84012301001.cpm

DATE: 11/12/2010

VERSION: 16.2-s004 (v16-2-57AC)

TEMPLATE: L:\ecad_proj\GPS_ZMY12\new_wireless_12v1\main\0084012301001_2\worklib\main\bom\MainBoard_BOMTemplate_with_DNI_DETAIL.bom

Qty	Part Name	DESCRIPTION	Ref Des	BOM_IGNORE
			GND,BT_CS,1V5_BT,UP_RST,V DD_1V8,VDD_3V3,BT_RST_N, JTAG_GND,JTAG_TCK,JTAG_T DI,JTAG_TDO,JTAG_TMS,RADI O_RXD,RADIO_TXD,BT_SPI_CL K,BT_SPI_CSB,BT_UP_UART,R ADIO_VBUS,RAD_USB_DN,RA D_USB_DP,SW_TEST_BT,SW_ TEST_UP,UP_BT_UART,BT_SPI _MISO,BT_SPI_MOSI,BT_UAR T_RTS,UP_UART_RTS,NFC_UP _UART0	
28	TPSM1_00	OTHER,TEST POINT 1.00 MM DIA	C1,C13,C17,C106,C107	
5	2170282H06	CAP,CER CHIP,2.2UF,+20%,-20%,6.3V-DC,0402,X5R,SMD,W18 COMP	C10	
1	2113944E10	CAP,CHIP,6.8PF,-5PF+/-,25V-DC,0201,C0G,-55DEG CMIN,125DEG CMAX	C101,C102,R314	
3	0613952Q77	RES,MF,1.5KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	C103,C104	
2	2113944E05	CAP,CHIP,2.2PF,-25PF+/-,25V-DC,0201,C0G,-55DEG CMIN,125DEG CMA	C45,C50,C108,C110,C112,C11	
9	2113946U01	CAP,FXD,.1UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMAX	4,C123,C128,C601	
9	2113946U11	CAP,FXD,.033UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMA	C109,C111,C113,C115,C117,C	
1	2113944E15	CAP,FXD,18PF,+5%,-5%,25V-DC,0201,C0G,-55DEG CMIN,125DEG CMAX,PB	119,C122,C125,C129	
4	2113945F04	CAP,FXD,3300PF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CM	C11	
			C116,C118,C121,C124	

5	2113945F07	CAP,FXD,.01UF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CMA	C12,C15,C16,C41,C46
1	2113956B45	CAP,FXD,4.7UF,+10%,-10%,10V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX	C130
6	2113944A40	CAP,CHIP,100PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX	C8,C14,C20,C304,C305,C306
2	2113944E14	CAP,CHIP,15PF,+5%,-5%,25V-DC,0201,C0G,-55DEG CMIN,125DEG CMAX,P	C9,C18
1	2113946U13	CAP,FXD,.047UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMA	C19
2	2113956A51	CAP,FXD,1UF,+10%,-10%,6.3V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX,P	C2,C4
1	2171410C01	CAP,CER,2.2UF,+10%,-10%,6.3V-DC,0402,X5R,SMD, W18 COMP	C21
2	2113945B02	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	C22,C307
1	2113945B02	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	C23 DNI
8	0613952R66	RES,MF,0OHM,5%,.0625W,SM,0402,PB-FREE	L7,R8,R9,C25,R14,R91,R122,R191
3	2113945Y02	CAP,FXD,.1UF,+10%,-10%,16V-DC,0402,X7R,-55DEG CMIN,125DEG CMAX	C3,C7,C322
1	2113945F07	CAP,FXD,.01UF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CMA	C300,C321 DNI
2	2170282H06	CAP,CER CHIP,2.2UF,+20%,-20%,6.3V-DC,0402,X5R,SMD,W18 COMP	C301 DNI
1	2113945E04	CAP,FXD,330PF,+10%,-10%,16V-DC,0201,X7R,-55DEG CMIN,125DEG CMAX	C302 DNI
3	2113945A09	CAP,CHIP,1000PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CM	C308,C309,C314
2	2113946U01	CAP,FXD,.1UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMAX	C310,C320 DNI
2	2171051Y01	CAP,CER CHIP,220PF,+1%,-1%,50V-DC,0402,COG,-55DEG CMIN,125DEG C	C311,C312 DNI
1	2113956B45	CAP,FXD,4.7UF,+10%,-10%,10V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX	C313 DNI
1	2113944A01	CAP,CHIP,1.1PF,-25PF+/-,50V-DC,0402,COG,-55DEG CMIN,125DEG CMA	C5 DNI
1	2489711L11	IDCTR,WW,10NH,3%,500MA,CER,SM,10NH 3% 1005 SMD	C6
1	2113944E17	CAP,CHIP,33PF,+5%,-5%,25V-DC,0201,C0G,-55DEG CMIN,125DEG CMAX,P	C681
1	2113945E04	CAP,FXD,330PF,+10%,-10%,16V-DC,0201,X7R,-55DEG CMIN,125DEG CMAX	C682
1	4805656W85	DIODE,SWG,RB520CS-30,SM,100MA,30V,SCHOTTKY BARRIER,DIODE, SHTK	D310
1	91002902001	FLTR,PASSIVE,BANDPASS,2.441GHZ NOM,BALUN,BLUETOOTH BND	FL1
1	09012059001	CONN,30CONT,CONN, BTB, PLG, 30 CONT	JP200
1	2470327G31	IDCTR,CHIP,15NH,5%,CER,3.3GHZ SRF,0201,SMD	L2
1	24009278001	IDCTR,INDUCTOR, ANTENNA, NEAR-FIELD COMM	L300 DNI
1	2590031N08	IDCTR,PWR,22UH,20%,SM,3 X 2.8 X 1.2	L6
1	85009293001	ANT,HLCL,2.4GHZ MIN,2.4835GHZ MAX,2.4GHZ HLCL WIFI SMD ANT	M1
1	4809579E77	XSTR,FET GP SS,MOSFET,N-CH,SM,30V,1.2X1.2MM PKG W18 COMP	Q1
3	0613952X09	RES,MF,2.2OHM,5%,.05W,SM,0201,200PPM/CEL,PB-FREE	R1,R13,R17
1	2489711L02	IDCTR,WW,2.7NH,850MA,.05OHM,CER,SM,2.7NH 0.2NH 1005 SMD	R100
1	0613952Y66	RES,MF,0OHM,5%,.05W,SM,0201,,PB-FREE	R123
7	0613952V01	RES,MF,10KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	R95,R138,R143,R144,R145,R146,R147
3	0613952R66	RES,MF,0OHM,5%,.0625W,SM,0402,PB-FREE	R15,R92,R390 DNI
1	0613952Q73	RES,MF,1KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R251
1	0613952K51	RES,MF,33.2OHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R300 DNI
1	0613952R35	RES,MF,270000,5,.0625,SM,0402,200,PB-FREE	R301 DNI
1	0613952L77	RES,MF,619OHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R310 DNI
3	0613952R17	RES,MF,47000,5,.0625,SM,0402,200,PB-FREE	R5,R6,R311
1	0613952R25	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R312
1	0613952Q53	RES,MF,150OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R313
1	0613952R25	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R315 DNI
2	0613952Q79	RES,MF,1800,5,.0625,SM,0402,200,PB-FREE	R7,R317
1	0613952P01	RES,MF,100KOHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	R320
1	0613952U01	RES,MF,1KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	R321 DNI
1	0613952T01	RES,MF,100OHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	R4
2	0613952W01	RES,MF,100KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	R47,R603
2	0613952Y66	RES,MF,0OHM,5%,.05W,SM,0201,,PB-FREE	R51,R89 DNI
1	51009430001	IC,BLUETOOTH RADIO& BB CNTLR,BGA,CSR BLUETOOTH IC	U1
1	51012009003	IC,UCNTRLR,AT32UC3B0512,SM,AVR32 UC RISC,16MHZ,32BITS,512000B	U100
1	51009360002	IC,RCVR,QFN,IC, RECEIVER, 1 CH, LOW FREQ	U300 DNI
1	51012215001	IC,COMPTR,SM,CMOS COMPARATORS W/ RAIL-TO-RAIL	U311
1	5116349H01	IC,INVTR,2PER PKG,SC70,DL	U320 DNI
1	5114007M45	IC,NOR,1PER PKG,SOT-353,PB-FREE	U330 DNI
1	51009643001	IC,FLSH,16MBIT,2 M X 8-BIT,70,SM,16MBIT FLSH BY SPANSION	U50
1	5178250A02	IC,MUX/DEMUX,TS3USB221A,QFN,3000PER PKG,4CHANNELS,BIDIRECTIONA	U601
1	4805656W46	DIODE,ZEN,SNGL 16V	VR600
1	9371072K03	RESON,QRTZ,26MHZ,10PPM TOL,11PPM STAB,SM,FUNDAMENTAL,8PF LOAD	Y1
1	93009286001	RESON,QRTZ,16MHZ XTAL	Y100