

TITLE: Wireless R2.1 Main Board BOM

DESIGN: main

PROJECT PATH: L:\ecad_proj\GPS_ZMY12\New_Wireless_21v1\Main\0084012301001_2\84012301001.cpm

DATE: 01/19/2011

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

TEMPLATE: L:\ecad_proj\GPS_ZMY12\New_Wireless_21v1\Main\0084012301001_2\worklib\main\bom\MainBoard_BOMTemplate_with_DNI.bom

Qty	Part Name	Ref Des	DESCRIPTION	BOM_IGNORE
28	TPSM1_00	GND,BT_CS,1V5_BT,UP_RST,VDD_1V8,V	OTHER,TEST POINT 1.00 MM DIA	
6	2170282H06	C1,C13,C17,C106,C107,C301	CAP,CER CHIP,2.2UF,+20%,-20%,6.3V-DC,0402,X5R,SMD,W18 COMP	
1	2113944E10	C10	CAP,CHIP,6.8PF,.5PF+/-,25V-DC,0201,COG,-55DEG CMIN,125DEG CMAX	
3	0613952Q77	C101,C102,R314	RES,MF,1.5KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
2	2113944E05	C103,C104	CAP,CHIP,2.2PF,.25PF+/-,25V-DC,0201,COG,-55DEG CMIN,125DEG CMA	
11	2113946U01	C45,C50,C108,C110,C112,C114,C123,C1	CAP,FXD,.1UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMAX	
9	2113946U11	C109,C111,C113,C115,C117,C119,C122,	CAP,FXD,.033UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMA	
1	2113944E15	C11	CAP,FXD,18PF,+5%,-5%,25V-DC,0201,COG,-55DEG CMIN,125DEG CMAX,PB	
4	2113945F04	C116,C118,C121,C124	CAP,FXD,3300PF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CM	
6	2113945F07	C12,C15,C16,C41,C46,C300	CAP,FXD,.01UF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CMA	
2	2113956B45	C130,C313	CAP,FXD,4.7UF,+10%,-10%,10V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX	
6	2113944A40	C8,C14,C20,C304,C305,C306	CAP,CHIP,100PF,+5%,-5%,50V-DC,0402,COG,-55DEG CMIN,125DEG CMAX	
2	2113944E14	C9,C18	CAP,CHIP,15PF,+5%,-5%,25V-DC,0201,COG,-55DEG CMIN,125DEG CMAX,P	
1	2113946U13	C19	CAP,FXD,.047UF,+10%,-10%,6.3V-DC,0201,X5R,-55DEG CMIN,85DEG CMA	
2	2113956A51	C2,C4	CAP,FXD,1UF,+10%,-10%,6.3V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX,P	
3	2113945B02	C21,C22,C307	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	
1	2113945B02	C23	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA	DNI
10	0613952R66	L7,R8,R9,C25,R14,R91,R92,R122,R191,R	RES,MF,00HM,5%,.0625W,SM,0402,PB-FREE	
3	2113945Y02	C3,C7,C322	CAP,FXD,.1UF,+10%,-10%,16V-DC,0402,X7R,-55DEG CMIN,125DEG CMAX	
1	2113945E04	C302	CAP,FXD,330PF,+10%,-10%,16V-DC,0201,X7R,-55DEG CMIN,125DEG CMAX	DNI
3	2113945A09	C308,C309,C314	CAP,CHIP,1000PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CM	
1	2171051Y01	C311	CAP,CER CHIP,220PF,+1%,-1%,50V-DC,0402,COG,-55DEG CMIN,125DEG C	
1	2113944A25	C312	CAP,CHIP,10PF,.5PF+/-,50V-DC,0402,COG,-55DEG CMIN,125DEG CMAX	
1	2113945F07	C321	CAP,FXD,.01UF,+10%,-10%,6.3V-DC,0201,X7R,-55DEG CMIN,125DEG CMA	DNI
1	2113944A01	C5	CAP,CHIP,1.1PF,.25PF+/-,50V-DC,0402,COG,-55DEG CMIN,125DEG CMA	DNI
1	2489711L11	C6	FIXED INDUCTOR,WW,CER,SM,16 NH +/-2%	
1	2113944E17	C681	CAP,CHIP,33PF,+5%,-5%,25V-DC,0201,COG,-55DEG CMIN,125DEG CMAX,P	
1	2113945E04	C682	CAP,FXD,330PF,+10%,-10%,16V-DC,0201,X7R,-55DEG CMIN,125DEG CMAX	
1	4805656W85	D310	DIODE,SWG,RB520CS-30,SM,100MA,30V,SCHOTTKY BARRIER,DIODE, SHTK	
1	91002902001	FL1	FLTR,PASSIVE,BANDPASS,2.441GHZ NOM,BALUN,BLUETOOTH BND	
1	09012059001	JP200	CONN,30CONT,CONN, BTB, PLG, 30 CONT	
1	2470327G31	L2	IDCTR,CHIP,15NH,5%,CER,3.3GHZ SRF,0201,SMD	
1	24009278001	L300	IDCTR,INDUCTOR, ANTENNA, NEAR-FIELD COMM	
1	2590031N08	L6	IDCTR,PWR,22UH,20%,SM,3 X 2.8 X 1.2	
1	85009293001	M1	ANT,HLCL,2.4GHZ MIN,2.4835GHZ MAX,2.4GHZ HLCL WIFI SMD ANT	
1	4809579E77	Q1	XSTR,FET GP SS,MOSFET,N-CH,SM,30V,1.2X1.2MM PKG W18 COMP	
3	0613952X09	R1,R13,R17	RES,MF,2.2OHM,5%,.05W,SM,0201,200PPM/CEL,PB-FREE	
1	2489711L02	R100	FIXED INDUCTOR,WW,CER,SM,4.3 NH +/-0.1NH	
1	0613952Y66	R123	RES,MF,00HM,5%,.05W,SM,0201,,PB-FREE	
7	0613952V01	R95,R138,R143,R144,R145,R146,R147	RES,MF,10KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	
1	0613952R66	R15	RES,MF,00HM,5%,.0625W,SM,0402,PB-FREE	DNI
1	0613952Q73	R251	RES,MF,1KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952K51	R300	RES,MF,33.2OHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952R35	R301	RES,MF,270000,5,.0625,SM,0402,200,PB-FREE	
1	0613952L18	R310	RES,MF,150OHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
3	0613952R17	R5,R6,R311	RES,MF,47000,5,.0625,SM,0402,200,PB-FREE	
1	0613952R25	R312	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952Q53	R313	RES,MF,150OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952R25	R315	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	DNI
2	0613952Q79	R7,R317	RES,MF,1800,5,.0625,SM,0402,200,PB-FREE	
1	0613952P01	R320	RES,MF,100KOHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952U01	R321	RES,MF,1KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	
1	0613952T01	R4	RES,MF,100OHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	
2	0613952W01	R47,R603	RES,MF,100KOHM,1%,.05W,SM,0201,200PPM/CEL,PB-FREE	
2	0613952Y66	R51,R89	RES,MF,00HM,5%,.05W,SM,0201,,PB-FREE	DNI
1	51009430001	U1	IC,BLUETOOTH RADIO& BB CNTLR,BGA,CSR BLUETOOTH IC	
1	51012009003	U100	IC,UCNTRL,AT32UC3B0512,SM,AVR32 UC RISC,16MHZ,32BITS,512000B	
1	51009371001	U300	IC,RCVR,RFID WAKEUP RCVR	
1	51012215001	U311	IC,COMPTR,SM,CMOS COMPARATORS W/ RAIL-TO-RAIL	
1	5116349H01	U320	IC,INVTR,2PER PKG,SC70,DL	
1	5114007M45	U330	IC,NOR,1PER PKG,SOT-353,PB-FREE	
1	51009643001	U50	IC,FLSH,16MBIT,2 M X 8-BIT,70,SM,16MBIT FLSH BY SPANSION	
1	5178250A02	U601	IC,MUX/DEMUX,TS3USB221A,QFN,3000PER PKG,4CHANNELS,BIDIRECTIONA	
1	4805656W46	VR600	DIODE,ZEN,SNGL 16V	
1	9371072K03	Y1	RESON,QRTZ,26MHZ,10PPM TOL,11PPM STAB,SM,FUNDAMENTAL,8PF LOAD	

1 93009286001 Y100

RESON,QRTZ,16MHZ XTAL

TITLE: Wireless R2.1 UC Board BOM

DESIGN: uc

PROJECT PATH: L:\ecad_proj\GPS_ZMY12\New_Wireless_21v1\UC\0084012337001_2\84012337001_2.cpm

DATE: 12/17/2010

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

TEMPLATE: L:\ecad_proj\GPS_ZMY12\New_Wireless_21v1\UC\0084012337001_2\worklib\uc\bom\UC_BOMList_Template_with_DNI.bom

Qty	Part Name	Ref Des	DESCRIPTION	BOM_IGNORE
3	2113945Y02	C101,C706,C707	CAP,FXD,.1UF,+10%,-10%,16V-DC,0402,X7R,-55DEG CMIN,125DEG CMAX	
3	2113944A31	C102,C803,C804	CAP,CHIP,33PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P	
9	2113944A40	C303,C304,C305,C307,C310,C311,C312,C313	CAP,CHIP,100PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX	
3	2113956A51	C321,C801,C802	CAP,FXD,1UF,+10%,-10%,6.3V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX,P	
1	2113946B04	C322	CAP,CHIP,.1UF,+10%,-10%,10V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX	
2	2113945B02	C323,C325	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMAX	
2	2115153H37	C324,C326	CAP,FXD,15PF,.15PF+/-,+1%,-1%,50V-DC,0402,C0G,CAP, CERAMIC, CO	
1	2113956D27	C701	CAP,FXD,10UF,+10%,-10%,25V-DC,1206,X5R,-55DEG CMIN,85DEG CMAX,P	
1	2113945A01	C702	CAP,CHIP,220PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CMAX	
1	2113944A80	C703	CAP,FXD,20PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,PB	
1	2188155V02	C704	CAP,CER CHIP,22UF,+10%,-10%,10V-DC,1206,-55DEG CMIN,85DEG CMAX	
1	2113946K03	C705	CAP,FXD,.22UF,+80%,-20%,16V-DC,0402,Y5V,-30DEG CMIN,85DEG CMAX	
1	2171410C01	C805	CAP,CER,2.2UF,+10%,-10%,6.3V-DC,0402,X5R,SMD, W18 COMP	
1	4805656W85	D305	DIODE,SWG,RB520CS-30,SM,100MA,30V,SCHOTTKY BARRIER,DIODE, SHTK	
10	7688697V02	E301,E302,E303,E304,E305,E306,E307,E308	FLTR,EMI/RFI,200MA,SM,0402	
4	TPSM1_00	GND,LED_UP,VDD_3V3,XTS_SWB_P	OTHER,TEST POINT 1.00 MM DIA	
1	0988248Y03	J100	CONN ZIF,FLXCKT,1 ROW,RCPT,6CONT,.5MM,GOLD FLASH,0.3MM, FPC	
1	0104042J56	J300	ASSY,BRKT,ASSEMBLY, BASE PLT	
1	2815162H01	J400	CONN AUD,HDR,M,2CONT,TIN,HDR SMT HORZ MT LEAD-FREE	
1	09012058001	J600	CONN,30CONT,CONN, BTB, REP, 30 CONT	
4	24010062013	L101,L102,L103,L104	CHIP INDUCTOR,RF,47NH,2%,SM,47NH, 0402 HI Q CHIP IDCTR	
2	2488090Y15	L302,L306	IDCTR,CHIP,15NH,5%,300MA,CER,SM,0402,MULAY PB FREE	
1	2489846Y06	L701	IDCTR,WW,10UH,20%,490MA,.67OHM,FERR,SM,PWR, 3X2.8X1.0MM	
1	2464675H01	L702	IDCTR,WW,560NH,5%,550MA,.44OHM,FERR,525MHZ SRF,SM,0603,INDU	
1	4809579E77	Q101	XSTR,FET GP SS,MOSFET,N-CH,SM,30V,1.2X1.2MM PKG W18 COMP	
7	0613952Q49	R101,R301,R305,R307,R310,R311,R312	RES,MF,100,5,.0625,SM,0402,200,PB-FREE	
3	0613952R25	R103,R806,R807	RES,MF,100KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
5	0613952R66	R104,R309,R313,R502,R812	RES,MF,0OHM,5%,.0625W,SM,0402,PB-FREE	DNI
1	0613952Q69	R105	RES,MF,680OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952R49	R321	RES,MF,1MOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952Q80	R322	RES,MF,2KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
3	0613952R66	R323,R703,R704	RES,MF,0OHM,5%,.0625W,SM,0402,PB-FREE	
1	0613952Q39	R327	RES,MF,39OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952Q68	R501	RES,MF,620OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	DNI
1	0613952Q49	R601	RES,MF,100,5,.0625,SM,0402,200,PB-FREE	DNI
1	0613952P91	R701	RES,MF,866KOHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952P43	R702	RES,MF,274KOHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	0613952K68	R801	RES,MF,49.9OHM,1%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
2	0613952R09	R802,R803	RES,MF,22000,5,.0625,SM,0402,200,PB-FREE	
2	0613952R16	R804,R805	RES,MF,43KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE	
1	51012250001	U300	IC,BFR,SM,NONINVERTING SCHMITT-TRIGGER BFR	
1	528568-001-00	U500	IC,PRPHL INTFC,UPSTREAM,USB PORT TERM,NUF2221,SM,SOT-363,LEAD-	
1	5171428L01	U700	IC,SWG V REGLTR,MSOP,LINEAR TECH SYN BUCK DC CONV	
1	5163316A18	U800	IC,OP AMP,1PER PKG,RAIL TO RAIL,SOT23-5,IC, OPAMP, RAIL-RAIL, S	
1	4813979M41	VR301	DIODE ARRAY,SUPR,SM,SOT-553,6.8V,.38W,ZEN,4,PB-FREE	
1	48012097001	VR302	SRG PROTR,SRG PROTR,SM,12V,60PF,5 LINE TRANSIENT V SUPR	
1	4805656W73	VR303	DIODE,SUPR,SM,DL ZEN 7.5V	DNI
1	4805656W73	VR401	DIODE,SUPR,SM,DL ZEN 7.5V	