

Product Name: ZcoRE3(20)-2400
Title: ZcoRE3(20)-2400 Assembly BOM Report
Report Generation Date: February 15, 2007
Version: A004

Model No.: PT-2418G-S

Assembly Part Number	Assembly Description
R-001-0003-400	Unit assembly,ZcoRE3(20)-2400,CMOS series ports,external antenna,Mesh

P/N Level	Renex Part Number	Description	Qty.	Manufacturer	Mfg.Part No.	Footprint	Designator
2	001-2075-000	SHIELD BOX for WM0320, Pretinned Steel	1	TBD			
2	001-2076-000	SHIELD BOX COVER FOR WM0320, PRETINNED STEEL					
2		Label, WM0320 shielding box, x mm	1	TBD			
.3	090-1003-000	PCB ASSEMBLY, Renex WM0330 pcb assembly					
.3	000-0000-000	LOCATION, EMPTY,PCB ASSEMBLY	17				C32,C33,C34,C35,C38,C40,C42,C43,C58,C62,C63,E1,R12,R14,R17,R21,R30
.3	R-001-1213-000	PCB bare board, WM0330, small size 2.4G Ember modem w/PA,C1D1	1				
.3	120-0041-240	TRAN,Single P-Channel 2.5V PowerTrench Specified MOSFET	1	Fairchild	FDC602P	SSOT6	Q1
.3	130-0079-000	IC,AS179-92, PHEMT GaAs IC SPDT Switch DC-3 GHz	2	SKY WORKS	AS179-92	SC70-6	U3,U7
.3	130-0109-000	IC, 3.3V LDO REGULATOR, REG104GA-3.3, DCQ SOT 223-5	1	TI	REG104GA-33	DCQ SOT223-5	U10
.3	130-0136-000	IC,8-BIT AVR MCU W/128K FLASH, MLF-64	1		ATMEGA128L-8MU		U1
.3	130-0140-000	IC, 2.4GHZ RF TRANSCEIVER	1		EM2420		U2
.3	150-0083-260	IC,TLC3702ID,Dual Micropower LinCMOSE Voltage Comparators	1	TI	TLC3702ID	R-PDSO-G8	U9
.3	150-0227-240	IC,MAX2641, low-cost, 2500MHz SiGe Ultra-Low-Noise Amplifiers	1	Maxim	Max2641EUT+	SOT23-6(MAX2640/1)	U8
.3	150-0228-240	IC,SKY65131,WLAN Power Amplifier Module	1	SKY WORKS	SKY65131	MCM-G16	U4
.3	190-0100-000	SAW FILTER, 2448.5MHz, SMP 2.0X2.0, 855916	1	SAWTEK	855916	855916	U5
.3	190-0102-000	MULTILAYER CHIP BAND-PASS FILTER, BF3216-B2R4AAA	1	ACX	BF3216-B2R4AAA	BF-AAA	U11
.3	210-0000-608	RES CHIP, 0R, 0402, 1/10&1/16W, 5%	6		0R	0402W	F1,R5,R19,R24,R25,R26,R27
.3	210-0510-608	RES CHIP,51R,0402,1/16W,5%	2		51R	0402W	R16,R22
.3	210-1001-104	RES CHIP, 1K, 0402, 1/16W, 5%	4		1K	0402W	R8-R10,R11
.3	210-1002-604	RES CHIP,10K,0402,1/16W,1%	2		10K	0402W	R15,R20
.3	210-1003-108	RES CHIP,100K,0402,1/16W,5%	1		100K	0402W	R7
.3	210-2201-608	RES CHIP, 2K2, 0402, 1/16W, 5%	1		2K2	0402W	R23
.3	210-3002-608	RES CHIP, 30K, 0402, 1/16W, 5%	1		30K	0402W	R13
.3	210-4302-108	RES CHIP,43K,0402,1/16W,5%	1		43K	0402W	R6
.3	210-5100-601	RES CHIP,510R,0402,1/16W,5%	3		510R	0402W	R3,R4,R18
.3	210-5103-108	RES CHIP,510K,0402,1/16W,5%	2		510K	0402W	R1,R2
.3	250-0013-021	CHIP CAP,CER,10nF,16V,0402,X7R,10%	8	Murata	GRM155R71E103KA01	0402W	C10-C14,C46,C47,C61
.3	250-0019-011	CHIP CAP,CER,0.1uF,10V,0402,X5R,10%	9	Murata	GRM155R71C104KA88	0402W	C1-C9
.3	250-0021-051	CHIP CAP,CER,68pF,50V,0402,C0G,5%	4	Murata	GRM1555C1H680JZ01	0402W	C19,C20,C27,C28
.3	250-0032-051	CHIP CAP,CER,5p6,50V,0402,C0G,+/-0.5p	2	Murata	GRM1555C1H5R6DZ01	0402W	C23,C24
.3	250-0080-051	CHIP CAP, 0.5PF 50V +/-0.25PF NPO 0402 SMT	2			0402W	C25,C26
.3	250-0083-051	CHIP CAP,CER,8p2,50V,0402,C0G,+/-0.5p	2	Murata	GRM1555C1H8R2DZ01	0402W	C54,C55
.3	250-0051-001	CHIP CAP,CER,10uF,10V,0805,X5R,10%	4	Murata	GRM21BR61A106KE19	2012[0805]	C17,C18,C36,C37
.3	250-0180-051	CHIP CAP,CER,18pF,50V,0402,C0G,5%	2	Murata	GRM1555C1H180JZ01	0402W	C15,C16
.3	250-0270-051	CHIP CAP,CER,27pF,50V,0402,C0G,5%	2	Murata	GRM1555C1H270JZ01	0402W	C21,C22
.3	250-3301-051	CHIP CAP,CER,3n3,50V,0402,X7R,10%	6	Murata	GRM155R71H332KA01	0402W	C48-C52,C59
.3	250-3304-000	CHIP CAP,CER,3.3pF,50V,0402,C0G,5%	1	Murata	GRM1555C1H3R3CZ01	0402W	L9
.3	250-0390-051	CHIP CAP,CER,39pF,50V,0402,C0G,5%	4	Murata	GRM1555C1H390JZ01	0402W	C39,C45,L6,L7
.3	250-4700-051	CHIP CAP,CER,470pF,50V,0402,C0G,5%	5	Murata	GRM1555C1H471JZ01	0402W	C29,C30,C31,C56,C57
.3	250-0471-051	CHIP CAP,CER,47pF,50V,0402,C0G,5%	1	Murata	GRM1555C1H470JZ01	0402W	C53
.3	280-0016-000	INDUCTOR, EMI Ferrite Chip Beads,100mA,0603	1	STEWART	HZ0603A222R-00	0603W	L1
.3	280-0039-000	INDUCTOR, 8.2NH 10% 0402	1			0402W	L5
.3	280-0040-000	INDUCTOR, 6.8NH 10% 0603	1			0603W	L4
.3	280-0041-000	INDUCTOR, 6.8NH 10% 0402	2			0402W	L3
.3	280-0087-000	INDUCTOR,10UH,900mA,20%,1210,SMD,TAPE&REEL	1			1210	L2
.3	280-0068-000	INDUCTOR,5n6,0402,140mA,+/-0.1nH	1	Murata	LQP15MN5N6B02	0402W	C41
.3	280-0079-000	INDUCTOR,1n5,0402,280mA,+/-0.1nH	1	Murata	LQP15MN1N5B02	0402W	L12
.3	280-0080-000	INDUCTOR,2n7,0402,220mA,+/-0.1nH	1	Murata	LQP15MN2N7B02	0402W	C60
.3	280-0081-000	INDUCTOR,3n6,0402,170mA,+/-0.1nH	1	Murata	LQP15MN3N6B02	0402W	L13
.3	280-0082-000	INDUCTOR,3n9,0402,170mA,+/-0.1nH	1	Murata	LQP15MN3N9B02	0402W	C44
.3	280-0084-000	INDUCTOR,10nH,0402,100mA,2%	4	Murata	LQP15MN10NG02	0402W	L8,L10,L11,L14
.3	310-0049-000	LED YELLOW DIFUSED 0603 SMT	1			0603W	DS2

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R-001-0003-400	Unit assembly,ZcoRE3(20)-2400,CMOS seriars ports,external antenna,Mesh

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.3	310-0052-000	LED,RED, DIFUSED ,0603 SMT	1			0603W	DS1
.3	390-0010-000	CRYSTAL, 8.000MHZ 4PIN SMD	1			OSCILLATOR-SMD	X2
.3	390-0011-000	QUARTZ CRYSTAL,32.768KHZ,SE3202-ND	1			SMD 1.5x3.2mm	X1
.3	390-0012-000	CRYTSAL, 16.000MHZ +/-10PPM FREQ	1			ILCX17	X3
.3	400-0614-000	Header, Male,Double Row,1.27 mm pitch,20x2 Pos, SMD.	1	Jih Vei Electronics (KunShan) Co., Ltd.	21N21040-40M00B-01G-2/5.8	1.27MM 20x2 SMT CON	J1
.3	400-0457-100	RF socket,MMCX/RIGHT ANGLE JACK RECEPTACLE FOR PCB SOLDER LEGS	1	JING CHENG ELECTRO	MMCX-KWE		P1
.3	411-0039-000	ESD Suppressor, Single Line Polymer ESD Suppressor with SurgX technology	1	Cooper	0603ESDA	0603W	U6

Revision History

Revision No	Description	Date
A001	First version draft,	July 12, 2006