



SUNITEC ENTERPRISE CO.,LTD

(BOM)

Product Type		Bluetooth Car Kit		Product Name		BFCK-X0		Page Number		Page 1 of 2			
File NO		FHY-WD-08-01-074		Date		2007-12-10		Department		R&D		Version	V2.0
NO	Part Number	Manufacturers Part Number	Description and Value			Package	Qty	Ref	Manufacturer	Cost			
Integrate Circuit													
1		XC6204B332MR	3.3V LDO			SOT-25	1	U2					
		RCR3132-332SK	3.3V LDO			SOT-25							
2		TP4054	4.2V Charge IC			SOT-25	1	U6					
3		BSS138	N-CHANNEL ENHANCEMENT BSS138			SOT-23	1	Q1					
4		TPA2000D1PWR	Power Amplifier			TSSOP-16	1	U1					
		TPA2010D1YZFT	Power Amplifier			WCSP	1	U5					
5		BM153	Bluetooth CLASS 2 module			SOP60	1	U3					
6		ADG736	CMOS SPDT SWITCH			MSOP10	1	U4					
		FSA4157AP6X	1Ω SPDT Analog Switch			SC70	1	U9					
		NLAS4157DFT2G	1Ω SPDT Analog Switch			SC70		U9					
7		24AA256	EEPROM			SOP8	1	U7					
Capacitor													
		S2260JCXAM	Solid Tantalum Capacitor 22uF 6.3V A model +80/-20%			CAP1206	3	C15,C20, C21					
9		S1060JCXAM	Solid Tantalum Capacitor 10uF 10V A model ±20%			CAP1206	1	C37					
10			Ceramic Capacitor 105 10V +80/-20%			CAP0603	4	C7,C8,C10,C23					
11			Ceramic Capacitor 224 10V +80/-20%			CAP0603	3	C1,C2,C11					
12			Ceramic Capacitor 104 10V +80/-20%			CAP0603	9	C13,C14,C16,C17, C18,C19,C22, C25,C26					
13			Ceramic Capacitor 220P 10V ±10%			CAP0603	1	C24					
14			Ceramic Capacitor 15P 10V ±5%			CAP0603	3	C6,C9,C27					
Inductor													
15		R10	INDICTOR			L0603	7	L1,L2,L3,L4,L5,L6,L7					
Ristor													
16			Thick Film Resistor 000R ±5%			RES0402	1	C5					
17			Thick Film Resistor 100R ±5%			RES0603	1	R8					
18			Thick Film Resistor 470R ±5%			RES0603	2	R13,R14					
19			Thick Film Resistor 2K ±5%			RES0603	1	R22					
20			Thick Film Resistor 2.2K ±5%			RES0603	4	R5,R31,R33,R34					
21			Thick Film Resistor 10K ±5%			RES0603	1	R15					
22			Thick Film Resistor 36K ±5%			RES0603	2	R2,R3					
23			Thick Film Resistor 47K ±5%			RES0603	6	R1,R17,R18,R21,R23, R24					
Prepared By				Approved By				Approved By					

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物料清单 (BOM)

產品名称		BM153		產品类别	Bluetooth Module	頁 碼		第1頁，共1頁			
文件編號		FHY-WD-08-01-048		發布日期	16.07.2008	發布部門		研發部	版次	V3.0	
序号	元件編號		供應商元件编号		元件规格描述		封装	用量	元件位置	Manufacturer	Price
Integrate circuit											
1	EI0-57E687BITB2		BC57E687B-ITB-E4		BC05 Multimedia External		LFBGA	1	U1	CSR	
2	EI0-SST39VF1602		SST39VF1601-90-4C-B3KE		Flash Memory(16MB,3V3)		48-ball FBGA	1	U2	SST	
	EI0-X29LV160CB2		MX29LV160CBXBC-70G		Flash Memory(16MB,3V3)		48-ball FBGA		U2	MXIC	
	EI0-6D90BF10202		S29AL016D90BFI02		Flash Memory(16MB,3V3)		48-ball FBGA		U2	SPANSION	
RF											
3	EA0-BL201205K20		BL2012-05K2450		SMD Balun		2012	1	T1	ACX	
	EA0-CBA47117140		CBA4711714002454K		SMD Balun		2012		T1	YAGEO	
4	EA0-BF2012F2R40		BF2012-F2R4DAATKF		Bandpass filter		2012	1	F1	ACX	
	EA0-CFL41117140		CFL4111714032454K		Bandpass filter		2012		F1	YAGEO	
Capacitor											
5	ECS-04022P20GCC		C1005COG1H2R2CT		Ceramic Capacitor(COG) 2p2 ±0.25pF 50V		0402	2	C15,C16	TDK	
6	ECS-040206P8GC0		C1005COG1H6R8CT		Ceramic Capacitor(COG) 6.8p ±0.25% 50V		0402	1	C10	TDK	
7	ECS-0402045PGJC		C1005COG1H150DT		Ceramic Capacitor(COG) 15p ±5% 50V		0402	2	C6,C17	TDK	
8	ECS-0402018PGJ0		C1005COG1H180J		Ceramic Capacitor(COG) 18p ±5% 50V		0402	1	C11	TDK	
9	ECS-0402010NGKX		C1005X7R1C103ZT		Ceramic Capacitor(X7R) 10n ±10% 50V		0402	4	C4,C5,C8,C14	TDK	
10	ECS-0402022NDK0		C1005X7R1C223ZT		Ceramic Capacitor(X7R) 22n ±10% 50V		0402	1	C12	TDK	
11	ECS-0402047NGK0		C1005X7R1C473ZT		Ceramic Capacitor(X7R) 47n ±10% 50V		0402	1	C13	TDK	
12	ECS-06032U20AZ0		C1608Y5V1A225Z		Ceramic Capacitor(X5R) 2u2 +80,-20% 6.3V		0603	4	C2,7,C9,C18	TDK	
13	ECS-0805010UBZ0		C2012X5R1A106Z		Ceramic Capacitor(X5R) 10u +80,-20% 6.3V		0805	1	C3	TDK	
Resistor											
14	ERS-04022R200J0		MCR01MZSJ2R2E		Thick Film Resistor 2R2 ±5%		0402	3	R1,R2,R3	ROHM	
Inductor											
15	ELS-0806022U0K0		LQH2MCN220K02L		Thick Film Inductor 22u ±10%		0806	1	L1	Murata	
16	ELS-040203N30F0		LQP15MN3N3B02		Thick Film Inductor 3.3n ±0.1		0402	2	L2, L3	Murata	
17	ELS-0402022N0J0		LQP15MN22NG02		Thick Film Inductor 22n ±5%		0402	1	L4	Murata	
Crystal											
18	EJ0-3D02D526000				SMD Crystal 26MHz ±10ppm		3*2.5	1	Y1	Toyocom	
PCB											
19	EPB-BC05MM10000		PB-BC05MM-ExtM-V1.0		FR4 四層板 鍍金 REV:1.0		21*13.5*0.6	1			
制 定					審 核				核 准		