WiFi-IT MC Revised: Thursday, September 24, 2009

WIFITIT001MC Revision: A.05

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Item		ty Referen		Description	Footprint	Manufactu	rer Manuf	acturer Part #	
1	1	ANT1 ANT-2.4	5-CHP-T ANT 2.4	4GHZ 802.11 BL	UETOOTH SMD	ANT-245-CF	HP-X Linx I	echnologies	ANT-2.45-CHP-T
2	26	C1, C9, C10, C11, C15, C16, C19, C20, C23, C24, C25, C20, C34, C35, C36, C3	C13,C14, 0.1 uF 0.01430 0,C21,C22, 6,C27,C30,		CAP .10UF 10V	CERAMIC X51	R 0402	C0402 Kemet	C0402C104K8PACTU
3	1	C40,C41 C2 47 pF 0 0.12412	402 250V COG	CAP CER 47PF	50V 5% COG 0402	C0402 Mu	ırata GRM155	5C1H470JZ01D	
4	1	-	402 250V COG	CAP CER 47PF	50V 5% COG 0402	C0402 Mu	ırata GRM155	5C1H470JZ01D	
5	DNP 3	0.12412 C4,C7,C8 0.03250		V X7R CAP C	ERM .01UF 10% 16	V X7R 0402	C0402	AVX 0402Y0	C103KAT2A
6	2			CAP CERAMIC 1	15PF 50V NP0 0402	C0402 Ke	emet C0402C	150J5GACTU	
7	2		402 50V NPO	CAP CERAMIC 2	22PF 50V NP0 0402	C0402 Ke	emet C0402C	220J5GACTU	
8	1	C12 0.5 pF	0402 50V RFCER 0.09750	CAP CER .5PF	50V 0402 HIGH FR	EQ C0	0402 Taiyo	Yuden UVK105	5CH0R5BW-F
9	1 DNP	C28 22 pF 0 0.01430	402 50V NP0	CAP CERAMIC 2	22PF 50V NP0 0402	C0402 Ke	emet C0402C	220J5GACTU	
10	4		3 1 uF 04 0.02930	102 6.3 V X5R	CAP CERM 1UF 6	.3V X5R 040	02 C0402	Kemet C04020	C105K9PACTU
11	2	C43,C42 0.1 uF DNP 0.01430		CAP .10UF 10V	7 CERAMIC X5R 040			C0402C104K8PA	CTU
12	1 DNP	C44 .01 uF 0.03250	0402 16V X7R	CAP CERM .010	JF 10% 16V X7R 04	.02 C0	0402 AVX	0402YC103KAT2	A
13	1 DNP	C45 1 uF 04 0.02930	02 6.3 V X5R	CAP CERM 1UF	6.3V X5R 0402	C0402 Ke	emet C0402C	105K9PACTU	
14	1	J1 5447708 1.53	08 Molex H	Receptacle 0.4	mm 80 ckt.	MOLEX_544	770808	Molex 544770	0808
15	1	J2 SMA_ANI	_CONN CONN JA 3.33720	ACK END LAUNCH	PCB 0.062" PCB	SMA_ANT_C	ONN1 Emerso	n Network Power	142-0701-801
16	1	L1 2.2 uH 0.66	1000 mA SMT 2.2	2 uH Power Ind	uctor LPS301	5 CoilCraft	LPS301	5-222MLB	
17	3 0.0723	L2,L3,L4 0	0 0805 1/16 1%	RES 0.0 OHM 1	1/8W 5% 0805 SMD	L0805 Ya	igeo RC0805	JR-070RL	
18	1	RFSHIELD1		RFSHI					
19	3	R1,R8,R11	10 K 0402 1/10 0.04360	5% RES 1	OK OHM 1/10W 5%	0402 SMD R0)402 Panasc	nic - ECG	ERJ-2GEJ103X

20	4	R2,R3,	R4,R5 33 0402 1/10 5% RES 33 OHM 1/10W 5% 0402 SMD R0402 Panasonic - ECG ERJ-2GEJ330X 0.04360
21	1	R6	0 0402 1/10 5% RES 0.0 OHM 1/16W 0402 SMD R0402 Stackpole RMCF 1/16S 0 R
	0.0436	0	
22	1	R7	10 K 0402 1/10 5% RES 10K OHM 1/10W 5% 0402 SMD R0402 Panasonic - ECG ERJ-2GEJ103X
		DNP	0.04360
23	1	R9	180K 0402 1/16 1% RES 180K OHM 1/16W 1% 0402 SMD R0402 Yageo RC0402FR-07180KL
		DNP	0.02085
24	1	R10	0 0402 1/10 5% RES 0.0 OHM 1/16W 0402 SMD R0402 Stackpole RMCF 1/16S 0 R
	DNP	0.04360	0
25	1	U1	GS1010 GainSpan 1010 WiFI SOC QFN-102 GainSpan GS1010 15.00
26	1	U2	DEA252450BT-7012D1 Bandpass filter 2.450 GHz DEA25240BT-8PIN TDK DEA252450BT-7012D1
			2.00
27	1	U3	TPS62261DRVT IC STEP-DN CONV 600MA 6-SON SON2x2-6 Texas Instruments TPS62261DRVT
			1.82000
28	1	U4	NCP700MN180R2G IC REG RF LDO 200MA 1.8V 6-DFN DFN-6 ON Semi NCP700MN180R2G
	DNP	0.72500	0
29	1	Y1	32.7680KHz FC-135 CRYSTAL 32.7680KHZ 12.5PF SMD FC_135 Epson Toyocom Corporation FC-135 32.7680KA-A3
			1.91250
30	1	Y2	44MHz CRYSTAL 44.000000 MHZ SMD 10PF CRYSTAL_NX2520SA NDK NX2520SA-44.000000MHZ
			1.03190