

Parts List

AP-120

Assembly, PCB, LPZM3
LPZM3

Type	PL	User1
Revision	1	User2
Status	U	User3
Date	4/12/2012	User4
By		User5

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
Vendor				Vendor P/N	Mfr Name	Mfr P/N
1	1 each	BN-001	PS	BALUN 2.4GHZ WIFI/BLUETOOTH 2450BL15B100E	BLN1	
Digikey				712-1041-1-ND	Johanson Technology Inc	2450BL15B100E
2	2 each	CS-084	PS	CAP CER 2.2UF 6.3V 10% X5R 0402 2.2uF 0402	C1 C22	
Digikey				445-6847-2-ND	TDK Corporation	C1005X5R0J225K
3	7 each	CS-026	PS	CAP CER 0.1UF 10V 10% X5R 0402 0.1uF 0402	C2 C3 C4 C5 C6 C9 C21	
Digikey				587-1227-2-ND	Taiyo Yuden	LMK105BJ104KV-F
4	3 each	CS-079	PS	CAP CER 1UF 6.3V 10% X5R 0402 1uF 0402	C7 C8 C28	
Digikey				587-1231-2-ND	Taiyo Yuden	JMK105BJ105KV-F
5	7 each	CS-025	PS	CAP CER 10000PF 25V 10% X7R 0402 10nF	C10 C12 C13 C14 C16 C17 C18	
Digikey				587-1223-2-ND	Taiyo Yuden	TMK105B7103KV-F
6	3 each	CS-024	PS	CAP CER 8PF 50V C0G 0402 8pF	C11 C15 C23	
Arrow				GRM1555C1H8R0DZ01D	Murata Electronics North America	GRM1555C1H8R0DZ01D
7	5 each	CS-082	PS	CAP CER 22PF 50V 5% NP0 0402 22pF 0402	C19 C20 C30 C32 C33	
Digikey				445-1239-2-ND	TDK Corporation	C1005C0G1H220J
8	3 each	CS-034	PS	CAP 1.0PF 50V CERAMIC 0402 SMD 1.0pF 0402	C24 C25 C26	
Digikey				490-3199-2-ND	Murata Electronics North America	GRM1555C1H1R0CA01D
9	2 each	JP-086	PS	CONN HEADER FEMALE 2x6 1.27MM SMT 2x6 Lo Profile	J1 J2	
Wafe Hardware Electronics				2321-206MG0CUN01	Wafe Hardware Electronics	2321-206MG0CUN01
10	2 each	IN-006	PS	FILTER CHIP 1000 OHM 250MA 0402 BLM15HG102SN1D	L1 L4	
Arrow				BLM15HG102SN1D	Murata Electronics North America	BLM15HG102SN1D
11	2 each	IN-026	PS	INDUCTOR 2.7NH 850MA 0402 2.7nH 0402	L2 L3	
Digikey				490-1137-2-ND	Murata Electronics North America	LQW15AN2N7D00D

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Rev 1

Printed 4/15/2013

Item	Qty Unit	Part Number	Type Rev	Title Detail		Reference
Vendor			Vendor P/N		Mfr Name	Mfr P/N
12	1 each	IN-003	PS	INDUCTOR 3.3NH 0603 3.3nH		L5
Digikey			490-1104-2-ND		Murata Electronics North America	LQG18HN3N3S00D
13	1 each	TS-009	PS	MOSFET N-CH 30V 1.7A SC70-3 AO7400		Q1
Digikey			785-1084-2-ND		Alpha & Omega Semiconductor Inc	AO7400
14	1 each	RS-123	PS	RES 10 OHM 1/10W 5% 0402 SMD 10 0402		R1
Digikey			P10JTR-ND		Panasonic - ECG	ERJ-2GEJ100X
15	4 each	RS-110	PS	RES 100K OHM 1/10W 5% 0402 SMD 100K 0402		R2 R4 R7 R9
Digikey			P100KJTR-ND		Panasonic - ECG	ERJ-2GEJ104X
16	1 each	RS-055	PS	RES 1.0 OHM 1/16W 5% 0402 SMD 1R		R3
Arrow			CRCW04021R00JNED		Vishay/Dale	CRCW04021R00JNED
17	2 each	RS-066	PS	RES 2.0M OHM 1/16W 5% 0402 SMD 2M		R8 R10
Digikey			541-2.0MJTR-ND		Vishay/Dale	CRCW04022M00JNED
18	1 each	IC-090	PS	IC RF TXRX ZIGBEE 192KB 48QFN EM357-RTR		U1
Ember			EM357-RTR		Ember	EM357-RTR
19	1 each	IC-101	PS	IC FLASH 2MBIT 66MHZ 8SOIC AT45DB021D-SSH-B		U2
Digikey			AT45DB021D-SSH-B-ND		Atmel	AT45DB021D-SSH-B
20	1 each	CR-016	PS	CRYSTAL 24.000 MHZ 18PF SMD SJK-7U-24.000-18-10-60-C-25		Y1
SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO.,LTD.			SJK-7U-24.000-18-10-60-C-25		SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO.,LTD.	SJK-7U-24.000-18-10-60-C-25
21	1 each	CB-112	PS	PCB, LPZM301 LPZM301		
Chinapcbone Technology Limited			LPZM301		Chinapcbone Technology Limited	LPZM301
22	1 each	MT-003	PS	RF SHIELD, 2.4GHz, XPZM3 RF SHIELD XPZM3		
Dongguan Bosi Metal & Electronic Co. Ltd.			MT-003		Dongguan Bosi Metal & Electronic Co. Ltd.	MT-003