

AL_Z8300_H802_V1.3

No.	Main / Replace	Material coding	Type	materials description	Dosage	Bit number
1	Main	U0CP00Z8300592YT	IC	Main control, Z8300, cherry trail Type3, BGA592 (17X17mm), Intel	1	U1000
	Replace	U0CP00Z8350592YT	IC	cherry trail T3 Second generation, Z8350, BGA592 (17X17mm), Intel		
2	Main	UOPMAXP288CN76XZ	IC	PMU, AXP288C, QFN76, X-Powers	1	U2003
3	Main	U0IC0FL1100116FR	IC	PCIE turn USB, FL1100-1Q0-EX, DRQFN-116Pin, Fresco Logic	1	U1
4	Main	U0ICLP3219A23500	IC	LP3219AB5F, SOT23-5	1	U4
5	Main	U0IC38971V2235WY	IC	LDO, LP3987H12B5F, 1.2V, SOT23-5, Weiyuan	1	U8
6	Main	U0ICBQ24297N24TI	IC	Charge IC, BQ24297, QFN-24, TI	1	EU1
7	Main	U0IC8003ADFN08XL	IC	DC-DC, SY8003ADFC, DFN-8, Xilijie	1	U7
8	Main	U0ICOLP6252236WY	IC	Boost current limit, LP6252B6F, SOT23-6, Weiyuan	4	U2;U5;U16;U17
9	Main	U0ICLP6218S236WY	IC	LP6218SB6F, SOT23-6, Weiyuan	1	U9
10	Main	U0ICLPW5208235WY	IC	OTG Limiting IC, LPW5208B5F, SOT23-5	1	U6
11	Main	U0ICALC5645P4800	IC	ALC5645-CG, 48-Pin, QFN (6mm x 6mm)	1	U3
12	Main	U0ICOLP3382236WY	IC	LP3382B6F, SOT23-6, Weiyuan	1	U22
13	Main	U0FL25LQ64CP08GD	IC	FLASH chip, GD25LQ64CVIGR, 1.8V, GD, TSOP8 208mil	1	U9012
14	Main	R0010000R0201J00	Chip resistors	0R, 0201, $\pm 5\%$	22	FB5;FB12;R17;R18;R20;R26;R27;R40;R57;R147;R153;R154;R155;R156;R157;R158;R159;R160;R161;R162;R167;R168

15	Main	R0010000R0402J00	Chip resistors	0R, 0402, $\pm 5\%$	19	R36;R3;R15;R50;R53;R54;R58;R79;R80;R83;R84;R85;R86;R87;R88;R89;R90;R148;R6285
16	Main	R00100R011206F00	Chip resistors	0.01R, 1206, $\pm 1\%$	1	R2009
17	Main	R001002R20805F00	Chip resistors	2.2R, 0805, $\pm 1\%$	1	R150
18	Main	R00105R110201F00	Chip resistors	5.11R, 0201, $\pm 1\%$	1	R2003
	Replace	R001005R10201F00	Chip resistors	5.1R, 0201, $\pm 1\%$		
19	Main	R0010020R0402J00	Chip resistors	20R, 0402, $\pm 5\%$	2	R77;R5
20	Main	R001029R40402F00	Chip resistors	29.4R, 0402, $\pm 1\%$	2	R49;R51
21	Main	R001045R30201F00	Chip resistors	45.3R, 0201, $\pm 1\%$	1	R1012
22	Main	R001049R90201F00	Chip resistors	49.9R, 0201, $\pm 1\%$	5	R7;R8;R9;R10;R1007
23	Main	R001080R60201F00	Chip resistors	80.6R, 0201, $\pm 1\%$	1	R1009
24	Main	R0010100R0201F00	Chip resistors	100R, 0201, $\pm 1\%$	2	R1008;R1027
25	Main	R0010113R0201F00	Chip resistors	113R, 0201, $\pm 1\%$	1	R1011
26	Main	R0010150R0201F00	Chip resistors	150R, 0201, $\pm 1\%$	3	R64;R1003;R1004
27	Main	R0010182R0402F00	Chip resistors	182R, 0402, $\pm 1\%$	1	R1221
28	Main	R0010220R0402J00	Chip resistors	220R, 0402, $\pm 5\%$	3	R41;R42;R60
29	Main	R0010220R0201F00	Chip resistors	220R, 0201, $\pm 1\%$	2	R35;R137
30	Main	R0010240R0201F00	Chip resistors	240R, 0201, $\pm 1\%$	8	R3000;R3001;R3011;R3050;R3101;R3102;R3103;R3104
31	Main	R0010402R0201F00	Chip resistors	402R, 0201, $\pm 1\%$	4	R1050;R1054;R1055;R1059
32	Main	R0010680R0402F00	Chip resistors	680R, 0402, $\pm 1\%$	9	R52;R110;R111;R112;R113;R114;R115;R116;R117
33	Main	R0010001K0201J00	Chip resistors	1K, 0201, $\pm 5\%$	2	R46;R47

34	Main	R0010001K0402J00	Chip resistors	1K, 0402, $\pm 5\%$	3	R37;R43;R152
35	Main	R001001K20402J00	Chip resistors	1.2K, 0402, $\pm 5\%$	2	R45;R48
36	Main	R00101K240201F00	Chip resistors	1.24K, 0201, $\pm 1\%$	1	R3015
37	Main	R001001K50402J00	Chip resistors	1.5K, 0402, $\pm 5\%$	1	R38
38	Main	R001002K20201J00	Chip resistors	2.2K, 0201, $\pm 5\%$	1	R39
39	Main	R001002K20402J00	Chip resistors	2.2K, 0402, $\pm 5\%$	5	R25;R118;R119;R120;R121
40	Main	R00102K490201F00	Chip resistors	2.49K, 0201, $\pm 1\%$	1	R1006
41	Main	R001004K70201F00	Chip resistors	4.7K, 0201, $\pm 1\%$	4	R3051;R3052;R3053;R3054
42	Main	R001004K70402J00	Chip resistors	4.7K, 0402, $\pm 5\%$	4	R13;R14;R32;R2007
43	Main	R0010010K0201J00	Chip resistors	10K, 0201, $\pm 5\%$	19	R1;R24;R61;R71;R73;R76;R92;R127;R128; R131;R1014;R1016;R1018;R3074;R3075;R3 076;R3077;R3500;R19
44	Main	R0010010K0402J00	Chip resistors	10K, 0402, $\pm 5\%$	6	R12;R29;R122;R2008;R3503;R3505
45	Main	R0010012K0402F00	Chip resistors	12K, 0402, $\pm 1\%$	1	R2
46	Main	R0010013K0402F00	Chip resistors	13K, 0402, $\pm 1\%$	4	R16;R94;R108;R109
47	Main	R0010016K0402F00	Chip resistors	16K, 0402, $\pm 1\%$	1	R126
48	Main	R0010020K0201F00	Chip resistors	20K, 0201, $\pm 1\%$	3	R6;R1002;R1067
49	Main	R0010020K0402F00	Chip resistors	20K, 0402, $\pm 1\%$	1	R130
50	Main	R0010022K0201J00	Chip resistors	22K, 0201, $\pm 5\%$	1	R82
51	Main	R0010043K0201F00	Chip resistors	43K, 0201, $\pm 1\%$	1	R74
52	Main	R0010043K0402F00	Chip resistors	43K, 0402, $\pm 1\%$	1	R75
53	Main	R001060K40402F00	Chip resistors	60.4K, 0402, $\pm 1\%$	1	R23

54	Main	R0010068K0402F00	Chip resistors	68K, 0402, $\pm 1\%$	3	R11;R106;R107
55	Main	R0010100K0402J00	Chip resistors	100K, 0402, $\pm 5\%$	4	R62;R93;R123;R149
56	Main	R0010100K0201J00	Chip resistors	100K, 0201, $\pm 5\%$	8	R44;R55;R63;R65;R67;R68;R69;R1060;R59
57	Main	R0010200K0201F00	Chip resistors	200K, 0201, $\pm 1\%$	2	R72;R1000
58	Main	R0010200K0402J00	Chip resistors	200K, 0402, $\pm 5\%$	1	R91
59	Main	R0010220K0201F00	Chip resistors	220K, 0201, $\pm 1\%$	1	R81
60	Main	R0010330K0402F00	Chip resistors	330K, 0402, $\pm 1\%$	1	R70
61	Main	R0010510K0402J00	Chip resistors	510K, 0402, $\pm 5\%$	3	R33;R151;R169
62	Main	R0010560K0201F00	Chip resistors	560K, 0201, $\pm 1\%$	1	R3517
63	Main	R0010010M0201J00	Chip resistors	10M, 0201, $\pm 5\%$	1	R1005
64	Main	R0030010K0402FTD	Thermistor	NTCG103JF103FT1, 10K, 0402, $\pm 1\%$, TDK	1	RT2000
65	Main	C001012P0225VK00	Chip capacitors	12pF, 0201, COG, 25V, $\pm 10\%$	3	C16;C17;C182
66	Main	C001018P0250VK00	Chip capacitors	18pF, 0201, COG, 50V, $\pm 10\%$	4	C1028;C1033;C1098;C1099
	Replace	C001018P0250VJ00	Chip capacitors	18pF, 0201, COG, 50V, $\pm 5\%$		
67	Main	C001022P0250VK00	Chip capacitors	22pF, 0201, COG, 50V, $\pm 10\%$	2	C39;C84
68	Main	C001047P0450VJ00	Chip capacitors	47pF, 0402, COG, 50V, $\pm 5\%$	1	C35
69	Main	C001068P0450VJ00	Chip capacitors	68pF, 0402, COG, 50V, $\pm 5\%$	1	C75
70	Main	C001100P0250VJ00	Chip capacitors	100pF, 0201, COG, 50V, $\pm 5\%$	1	C55
71	Main	C001270P0450VK00	Chip capacitors	270pF, 0402, X7R, 50V, $\pm 10\%$	2	C76;C77
72	Main	C0011000P0250VK0	Chip capacitors	1000pF, 0201, X7R, 50V, $\pm 10\%$	1	C2002
73	Main	C001U0470416VK00	Chip capacitors	0.047uF, 0402, X7R, 16V, $\pm 10\%$	1	C29

74	Main	C0010U010450VK00	Chip capacitors	0.01uF, 0201, X5R, 16V, $\pm 10\%$	1	C88
75	Main	C00100U10216VM00	Chip capacitors	0.1uF, 0201, X5R, 16V, $\pm 20\%$	37	CB1;C1;CB2;CB4;CB6;C7;CB8;C9;CB10;CB13;C40;C48;C61;C63;C65;C67;C69;C73;C83;C87;C91;C92;C93;C94;C151;C3025;C3026;C3045;C3047;C3114;C3115;C3116;C3117;C3501;C3512;C150;C153
76	Main	C00100U10416VK00	Chip capacitors	0.1uF, 0402, X5R, 16V, $\pm 10\%$	20	C47;C71;C123;C124;C125;C126;C127;C128;C129;C130;C132;C168;C171;C177;C179;C3513;C3520;C6213;C6217;C1097
77	Main	C001001U026R3M00	Chip capacitors	1uF, 0201, X5R, 6.3V, $\pm 20\%$	49	C2;CB3;CB5;C5;CB7;CB9;CB12;C1007;C1008;C1009;C1010;C1020;C1031;C1037;C1041;C1043;C1049;C1050;C1054;C1055;C1090;C1091;C1092;C1093;C1109;C9703;C9704;C9707;C13;C14;C15;C53;C59;C3010;C3011;C3050;C3051;C3100;C3102;C3104;C3006;C3007;C3048;C3049;C3101;C3103;C3108;C3109;C3112
78	Main	C001001U0416VK00	Chip capacitors	1uF, 0402, X5R, 16V, $\pm 10\%$	22	C3;C1012;C1013;C1014;C1029;C1036;C1039;C1042;C1044;C1048;C1051;C1053;C1056;C1063;C2026;C2053;C2054;C36;C44;C111;C170;C181
79	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, $\pm 20\%$	18	CL3;CL4;CL5;CL6;C24;C34;C50;C52;C57;C58;C62;C66;C74;C89;C96;C98;C109;C178
80	Main	C00102U20625VK00	Chip capacitors	2.2uF, 0603, X5R, 25V, $\pm 10\%$	3	C173;C174;C175
81	Main	C00104U7046R3M00	Chip capacitors	4.7uF, 0402, X5R, 6.3V, $\pm 20\%$	19	CB11;C18;C19;C23;C32;C49;C56;C60;C64;C68;C70;C78;C169;C3500;C3514;C2067;C3005;C3113;C3118
82	Main	C00104U70610VK00	Chip capacitors	4.7uF, 0603, X5R, 10V, $\pm 10\%$	20	C20;C21;C26;C2004;C2009;C2016;C2023;C2028;C2030;C2032;C2033;C2035;C2036;C2038;C2039;C2044;C2045;C2046;C2047;C2056
83	Main	C001010U046R3M00	Chip capacitors	10uF, 0402, X5R, 6.3V, $\pm 20\%$	7	C8;C10;C11;C12;C54;C85;C95

84	Main	C001010U066R3M00	Chip capacitors	10UF, 0603, X5R, 6. 3V, ±20%	21	C27;C28;C37;C38;C43;C46;C117;C119;C131;C176;C6210;C6214;C2003;C2006;C2007;C2010;C2011;C2017;C2019;C2021;C2052
85	Main	C001022U066R3M00	Chip capacitors	22uF, 0603, X5R, 6. 3V, ±20%	22	C30;C31;C41;C42;C72;C86;C33;C45;C99;C121;C122;C2005;C2008;C2015;C2018;C2020;C2022;C2043;C2061;C2062;C2063;C2064
86	Main	FB01120R0401A2JI	Chip beads	PBY100505T-121Y-N, 120R (100MHz), 0402, 1. 2A, ±25%, Qilixin	4	FB1;FB2;FB3;FB4
87	Main	L003004U740181A5	Power inductor	4. 7UH, 4018, 1. 5A, DCR<0. 1R, ±20%, shield	1	L13
88	Main	L003002U23015M00	Power inductor	2. 2UH, 3015, 1. 5A, DCR<0. 1R, ±20%, shield	6	L1;L2;L7;L8;L3;L5
89	Main	L0030001U4018MSR	Power inductor	1UH, 4018, 4. 2A, DCR<0. 03R, SR4018TLF-1R0N, Suoruida	1	L4
90	Main	L0030001U2520MTQ	Power inductor	1UH, 252012, 2. 7A, DCR0. 049, 20%, UHP252012NF-1R0M, Taiqing	9	L6;L2000;L2001;L2002;L2003;L2004;L2005;L2006;L2007
	Replace	L0030001U2520MMJ	Power inductor	1uH, 2520, 3A, ±20%, MPIH252012-1R0M-LF, Microgate		
91	Main	SCD05819D32340V0	Schottky diodes	Schottky diodes, 1N5819, 1A, SOD323	1	D1
92	Main	LD010B06030000JE	LED	L-SP194B1C-C01-4T, 0603, Blue LED lights, 1. 6x0. 8x0. 4MM, JESTEK	1	D10
93	Main	SCD0SS14D52340V0	Schottky diodes	SS14, SMD, SOD523	1	D1218
94	Main	SCD006V2D523000F	Zener diode	MM5Z6V2, 6. 2V, SOD-523F, Fairchild	2	D5;D2000
95	Main	SCD05819D12340VD	diode	1N5819, 40V 1A SOD123 NPB, DIODES	3	D11;D12;CR66
96	Main	SCQ18029226L12VY	MOSFET	SSC8029GN2, 2X2-6L, 12V, 6. 5A, Youyida	1	Q2000
97	Main	SCQ13423PT2320V0	MOSFET	A03423 (P, MOSFET), SOT_23	1	Q11
98	Main	SCQ12030T72320VW	Field effect tube	Field effect tube, WNM2030-3/TR, WILL	12	Q1;Q2;Q3;Q5;Q6;Q7;Q8;Q9;Q10;Q12;Q4;Q16
99	Main	ED02FN1005V0P400	HDMI TVS	ESD5304D-10/TR, 0. 4PF	2	D2;D3
100	Main	SP01Z8300H8021V0	Flash module	Flash module, LM3554, AL_Z8300_H802_LED_V1. 0, LEDboard, L	1	J10
101	Main	CNBA05P1H85000ZY	Connecting seat	COTEX WF13-051G1R, WF1. 25MM 5PUltra-thin horizontal gold-platedH=1. 85MM, Zhiyongda	1	J1

102	Main	CNFP04P1H2500WZY	FFC seat	FPC4PIN, 1.25mm, WF12-042S4R, Zhiyongda, Horizontal	5	CON2;CON3;CON4;CON8;CON14
103	Main	CNFP5P0M81M85WC0	FFC seat	BAR080T028-5YZ, 0.8MM Needle seat 5P Horizontal patch, H=1.85MM, Zhejiangchuangjia	1	CON25
104	Main	CNFP06P0M51M5XF0	FFC seat	FPC6PIN, spacing 0.5mm, high 1.5mm, Under contact,	2	J5;J3500
105	Main	CNFP08P0H52H0W00	FPC seat	8P/0.5mm, 卧式下接, Clamshell, H=2.0MM, SMD, 无铅	2	J4;J9
106	Main	CNFP10P0M51H5XF0	FPC seat	FPC10PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	3	CON1;CON6;CON38
107	Main	CNFP12P0M51H5XF0	FPC seat	FPC12PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	2	J3;J7
108	Main	CNFP18P0H51H5XF0	FPC seat	FPC18PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	1	CON19
109	Main	CNFP24P0M51M5XF0	FFC seat	FPC24PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	2	CON18;CON20
110	Main	CNFP30P0M51M5XF0	FPC seat	FFC30PIN, spacing 0.5mm, H=1.5mm, contact, Clamshell	2	CON21;CON22
111	Main	CN031H858T4PWBCJ	Connecting seat	0.8T-4PWB, WF0.8MM, 4P Horizontal H=1.85MM, Chuangjia Electronic	2	CON24;CON15
112	Main	CN031H858T2PWBCJ	Connecting seat	0.8T-2PWB, WF0.8MM, 2P Horizontal H=1.85MM, Chuangjia Electronic	3	CON16;CON17;CON23
113	Main	CNRFARF004P01ACD	RF coaxial	Fourth generation RF coaxial, CD-ARF004-P01A, Chuangjia	1	J6 Note the direction of the patch
114	Main	SCY12MH322518PRJ	Crystal	12MHZ, SMD3225, 18pF, 20PPM, Ruijingxing	1	Y2
	Replace	SCY012M322512P5T	Crystal	12MHz, SMD3225, 12.5pF, 20ppm, TXC		
115	Main	SCY19M2252012PTX	Crystal	8Z19220001, 2.5X2.0, 19.2MHZ, 12PF, TXC	1	Y1000
116	Main	SCY32K73SC512P50	Crystal	32.768KHZ, 12.5PF, 3.2mm*1.5mm, Feet patch	1	Y1001
	Replace	SCY32K73SC512P5E	Crystal	32.768Khz, FC135, 3.2x1.5x0.65mm, Epson		
117	Main	SESMFB020R065000	Shield cover	Shield cover, CD-PB020-R0650	16	CON10;CON11;CON12;CON13;CON26;CON27;CON28;CON29;CON30;CON31;CON32;CON33;CON34;CON35;CON36;CON37
118	Main	SEDI0H8020BB1Y00	Main control of a shield	AL_Z8300-H802, Main control of a shield, 68*38.8mm, irregular, Bronze (internal)	1	
119	Main	SEDI0H8020BB2Y00	Main control two shield	AL_Z8300-H802, Main control two shields, 47.8*33mm, Bronze (internal insulation)	1	

120	Main	SEDI0H802WIFIY00	WIFI module shield	AL_Z8300-H802, WIFI module shield, 18.5*16mm, Bronze (internal insulation)	1	
121	Main	SEDI0H8020GPSY00	GPS shield	AL_Z8300-H802, GPS Shield, 14.4*12mm, Bronze (internal insulation)	1	
122	Main	BC311*11*0M80000	Thermal silicone film	Thermal silicone film, Thermal Conductivity 3W, 11*11mm, T=0.8MM	2	Post work; posted on CPU and PMIC
123	Main	PC80830H8021V309	PCB	Z8300-H802-v1.3, Lead-free main board, 6-layer through-hole plate, Thickness 1.0mm, BGA OSP	1	
eMMC Configuration(16GB)						
1	Main	UOFLAG2GEND153SA	IC	KLMAG2GEND-B031, 16GB, emmc5.0, MLC, SAMSUNG	1	U3501
	Replace	UOFLMAH5916153F0	IC	NCEMAH59-16G, 16GB, emmc5.0, MLC, Foresee		
eMMC Configuration(32GB)						
1	Main	UOFLMAH5932153F0	IC	NCEMAH59-32G, EMMC, BGA153, 32GB, FORESEE	1	U3501
	Replace	UOFLBG4GEND153SA	IC	KLMBG4GEND-B031, EMMC, BGA153, 32G, Samsung		
	Replace	UOFLBG4WEBD153SA	IC	KLMBG4WEBD-B031, EMMC, TLC, BGA153, 32G, Samsung		
	Replace	UOFLBG2JENB153SA	IC	KLMBG2JENB-B041, EMMC, MLC, BGA153, 32G, Samsung		
	Replace	UOFLMBD3932169F0	IC	NCEMBD39-32G, 32G, BGA169, Foresee		
eMMC Configuration(64GB)						
1	Main	UOFLMBS9964169F0	IC	NCEMBS99-64G, EMMC5.0, FBGA169, 64GB, FORESEE	1	U3501
DDR3L Configuration one(2GB=256Mb*16*4)						
1	Main	UODD4G63CPB096HY	IC	H5TC4G63CFR-PBA, 256Mb*16, DDR3L, HYNIX	4	U3005;U3006;U3101;U3102
	Replace	UODD4G1646Q000SA	IC	K4B4G1646Q-HYK0, DDR3, 256*16, 三星		
DDR3L Configuration two(4GB=512Mb*16*4)						
1	Main	UODD8G164MY096SA	IC	K4B8G1646Q-MYK0, 512Mb*16, DDR3L-1600, FBGA-96, 三星	4	U3005;U3006;U3101;U3102
	Replace	UODD8G63CMR096HY	IC	H5TC8G63CMR, 512Mb*16, FBGA-96, SK hynix		

	Replace	UODD8G63AMR096HY	IC	H5TC8G63AMR, 512Mb*16, FBGA-96, SK hynix		
WIFI Configuration one (2.4G WIFI)						
1	Main	SP0108723BS00000	WIFI+BT Module	WIFI+BT Module, F23BDSM23-W2, 8723BS, 44PIN, 12*12mm, 3.3V	1	U6206
GPS Configuration table						
1	Main	U0ICBCM4752B49BT	IC	GPS, BCM4752IFBG, FBGA-49, Botong	1	U18
2	Main	U0IC0AR8159P6LAI	IC	AR8159, GPS_LNA, 1×1.5×0.75mm, AIROHA	1	U20
3	Main	SCY2600200910PTX	Crystal	TCXO-7L26002009, 1.8V, 0.5PPM, SMD, TXC	1	Y6
	Replace	SCY026M252010PND	Crystal	ENG3216E, 1.8/2.8V, 0.5PPM, SMD2520, NDK		
	Replace	SCY026M252010PEP	Crystal	TG-5006CG-12H-26MHz-SMD2520, EPSON		
	Replace	SCY026M252010PKY	Crystal	KT2520F26000ZAW18TAK, 1.8V/2.8V, 2520, 0.5PPM, SMD, Kyocera		
4	Main	SCUG89G0B31109WI	filter	SFHG89GA002, 5pin(1.1X0.9mm), wisol	1	FIL1
5	Main	CNRFARF004P01ACD	RF coaxial	Fourth generation RF coaxial, CD-ARF004-P01A, Chuangjia	1	J2 Note the direction of the patch
6	Main	FB01120R0401A2JI	Chip beads	PBY100505T-121Y-N, 120R(100MHz), 0402, 1.2A, ±25%, Qilixin	4	FB8;FB9;FB10;FB11
8	Main	R0010000R0402J00	Chip resistors	0R, 0402, ±5%	1	R129
9	Main	C00101P80250VC00	Chip capacitors	1.8pF, 0201, COG, 50V, ±0.25pF	1	C184
10	Main	C001018P0250VK00	Chip capacitors	18pF, 0201, COG, 50V, ±10%	2	C146;C147
11	Main	C001100P0450VJ00	Chip capacitors	100pF, 0402, COG, 50V, ±5%	2	C136;C138
12	Main	C0010U010450VK00	Chip capacitors	0.01uF, 0402, X7R, 50V, ±10%	3	C139;C142;C187
13	Main	C001001U046R3K00	Chip capacitors	1uF, 0402, X5R, 6.3V, ±10%	4	C134;C140;C141;C186
14	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, ±20%	3	C133;C135;C137
	Main	L0010010N0402JFH	Chip inductance	10nH, 0402, ±5%, 风华		

10	Replace	L0010010N0402JSL	Chip inductance	10nH, 0402, ±5%, Sunlord	2	L10, L11
G-sensor Configuration table						
1	Main	U0ICTJ21009A12KI	IC	KXTJ2-1009, LGA-12 (2X2mm), Kionix	1	U23
ESD/EMI Device Optional function						
1	Main	ED01040205V05PSF	ESD	SFI0402-050E050PP-LF, 0402, 5pF, 5V, SFI	38	CR2; CR7; CR17; CR19; CR24; CR25; CR26; CR31; CR32; CR33; CR34; CR53; CR55; CR56; CR57; CR58; CR59; CR62; CR3; CR4; CR5; CR9; CR10; CR11; CR12; CR13; CR14; CR27; CR28; CR29; CR30; CR60; CR61; CR67; CR68; CR69; CR70; CR71
2	Main	ED03040209V03P00	ESD	ESD0402-V09, 0402, 3.0pF, 9V,	8	CR1; CR6; CR22; CR23; CR15; CR16; CR8; CR18
AL_Z8300_H802_XB_V1.2						
Product number: AL_Z8300_H802_XB_V1.2 PCB version: V1.2 BOM version: A0 Date: 2017-01-16						
No.	Main/Replac	Material coding	Type	Item Description	Dosage	Bit number
B1 (HDMI)						
1	Main	CNFP18P0H51H5XF0	FPC seat	FPC18PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	1	CON19
2	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, ±20%	1	C148
3	Main	CNHDPHD1210SMDGH	HDMI seat	HDMI TYPE D FEMALE, PHD12-10, Guohanye Electronic	1	J4
B2 (SD)						
1	Main	CNFP12P0M51H5XF0	FPC seat	FPC12PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	1	J3
2	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, ±20%	1	C90
3	Main	CNTF1H909P0000LY	TF deck	TF deck, 9PIN external welding, Lianyucheng	1	J9
B3 (NFC)						
1	Main	SP0100CH3XS39P00	NFC module	NFC module, CH3X(S)-X, 39PIN, CIVINTEC	1	CON41

2	Main	CNFP04P1H2500WZY	FFC Block	FPC4PIN, 1.25mm, WF12-042S4R, Zhiyongda, Horizontal	2	CON42;CON43
3	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, $\pm 20\%$	2	C168;C169
B4 (HP)						
1	Main	CNFP08P0H51H5XF0	FFC Block	FPC8PIN, spacing 0.5mm, high 1.5mm, contact, Clamshell	1	J73
2	Main	CN023H500PJ611HR	Headset	Headset, PJ-611, waterproof, Hanrong Electronic	1	J10
B5 (Modem)						
1	Main	CNFP24P0M51M5XF0	FFC Block	FPC24PIN, spacing 0.5mm, high 1.5mm, Under contact, Clamshell	1	CON1
2	Main	CN03M2HN09101BGH	M.2 seat	M.2 seat, HN09-101-B0**	1	J71
3	Main	C00106P80250VC00	Chip capacitors	6.8pF, 0201, COG, 50V, $\pm 0.25\text{pF}$	1	C163
4	Main	C00108P20250VC00	Chip capacitors	8.2pF, 0201, COG, 50V, $\pm 0.25\%$	1	C164
5	Main	C001018P0250VK00	Chip capacitors	18pF, 0201, COG, 50V, $\pm 10\%$	1	C162
6	Main	C001033P0250VK00	Chip capacitors	33pF, 0201, COG, 50V, $\pm 10\%$	2	C155;C165
7	Main	C001039P0250VK00	Chip capacitors	39pF, 0201, COG, 50V, $\pm 10\%$	1	C166
8	Main	C00100U10216VM00	Chip capacitors	0.1uF, 0201, X5R, 16V, $\pm 10\%$	1	C161
9	Main	C001001U026R3M00	Chip capacitors	1uF, 0201, X5R, 6.3V, $\pm 20\%$	2	C160;C167
10	Main	C001100U126V3N00	Chip capacitors	100uF, 1206, X5R, 6.3V, $\pm 20\%$	4	C156;C157;C158;C159
11	Main	R0010000R0402J00	Chip resistors	0R, 0402, $\pm 5\%$	3	R139;R141;R145
12	Main	R0010010K0402J00	Chip resistors	10K, 0402, $\pm 5\%$	1	R143
13	Main	R0010100K0402J00	Chip resistors	100K, 0402, $\pm 5\%$	4	R140;R142;R146;R147
14	Main	SCQ12046100620VW	MOSFET	WNM2046, N-Channel, DFN1006_3L, 20V, 0.71A, Will SEMI	1	Q9
B6 (DC)						

1	Main	CNFP04P1H2500WZY	FFC Block	FPC4PIN, 1.25mm, WF12-042S4R, Zhiyongda	1	CON40
2	Main	CNDC000045083AHL	DC seat	DC seat, DC-045-083A, Haoliantong Technology	1	J11
	Replace	CNDC05P1089360KX	DC seat	DC seat, CSTD-1089-3608, Kexincheng		
B7 (USB2.0)						
1	Main	CNFP04P1H2500WZY	FFC Block	FPC4PIN, 1.25mm, WF12-042S4R, Zhiyongda	1	CON9
2	Main	CNUS04P391344FKX	Big USB seat	CSTU-21391344F-P, USB2.0, DIP TYPE Flat (On board 3.75H), Kexincheng	1	CON35
3	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, ±20%	1	C149
B8 (SIM)						
1	Main	CNFP08P0H52H0W00	FPC seat	8P/0.5mm, Clamshell, H=2.0MM, SMD, Lead-free	1	J72
2	Main	CNSM0006P00000ZY	SIM card holder	Micro-SIM 6P, Deck, Zhiyongda	1	CON37
3	Main	C00102U2046R3M00	Chip capacitors	2.2uF, 0402, X5R, 6.3V, ±20%	1	C143
PCB						
1	Main	PC81830H8021V209	PCB	H802-XB-v1.2, Lead-free XB board, 2-layer through-hole plate, Thickness1.0mm, OSP	1	63.6mmX106.4mm

H380-Q50-00-00 PCBA BOM

NO	Material coding	Bit number	QTY	Component Description	Package
1	31.9811.00.26.00	U401	1	MCU	BGA-221
2	31.1434.00.27.00	U501	1	MCP	FBGA-130_0.3
3	31.5712.00.28.01	U301	1	Transceiver	PG-WFWLB-138-2
4	31.6261.00.30.00	U302	1	RF PA	LGA-21Pin
5	31.6564.00.31.00	U303	1	PA PMU	BGA-24Pin
6	31.6361.00.30.01	U304	1	Main ASM	LGA-21Pin
7	31.8970.00.48.01	U305	1	DPX	LGA-9Pin
8	31.1084.00.49.01	U306	1	SAW	LGA-5Pin
9	31.1095.00.48.01	U307	1	DPX	LGA-9Pin
10	31.4105.00.53.01	U308	1	NTJD4105C	SOT-363
11	31.8360.00.48.01	U309	1	DPX	LGA-9Pin
12	31.1088.00.48.01	U310	1	DPX	LGA-9Pin
13	31.0881.00.34.00	U311	1	Diversity filter	LGA-18Pin
14	31.1516.00.32.00	U312	1	Div. ASM	PG-TSNP-16-3
15	31.9276.00.00.01	U502	1	DCDC	WDFN-10L 3x3
16	31.2030.00.54.01	U604	1	LD0	UTDFN-1.2x 1.6-4L
21	15.4829.06.01.01	J102, J103	2	RF Connector	
22	31.2520.00.52.01	X301	1	26M DCX0	SMD-4Pin
23	18.0323.01.04.01	X501	1	32.768K Crystal	SMD-2Pin
24	11.0056.08.01.00	C373, C374	2	SMD CAP	0201
25	11.0150.04.00.00	C501, C502, C18, L312	4	SMD CAP	0201
26	11.0270.04.00.00	C346 , R321	2	SMD CAP	0201

27	11.0102.05.01.00	C319, C338	2	SMD CAP	0201
28	11.0472.05.01.00	C321	1	SMD CAP	0201
29	11.0682.05.01.00	C318, C320	2	SMD CAP	0201
30	11.0103.05.01.00	C345, C360, C372 , C370	4	SMD CAP	0201
31	11.0473.05.01.00	C301, C305	2	SMD CAP	0201
32	11.0104.05.01.01	C303, C302, C308, C309, C311, C312, C313, C316, C317, C408, C409, C414, C504, C505, C509, C510, C511, C512, C513, C515, C516, C517, C518, C519, C520, C521, C522, C524, C525, C526, C528, C529, C531, C534, C359, C371, C634, C631, C23, C24	40	SMD CAP	0201
33	11.0224.05.01.00	C367, C410, C411, C412, C413, C415, C503	7	SMD CAP	0201
34	13.0082.07.01.02	L302, L303, R301, R303	4	SMD IND	0201
35	13.0056.03.01.00	R305, R304	2	SMD IND	0201
36	13.0033.08.01.00	R328	1	SMD IND	0201
37	13.0270.07.01.00	L310	1	SMD IND	0201
38	11.0047.08.01.00	C339, C340, C341	3	SMD CAP	0201
39	13.0018.01.01.02	L307	1	SMD IND	0201
40	13.0015.08.01.00	L309	1	SMD IND	0201
41	10.0563.03.01.01	R19	1	SMD RES	0201
42	16.4617.01.08.01	T1, T2, T3	3	SMD NPN BJT	
43	10.0153.01.01.01	R108	1	SMD RES	0201
44	10.0202.01.01.01	R109	1	SMD RES	0201
45	14.5213.00.08.01	D1, D2	2	SMD Diode	
46	16.3415.02.02.02	T602	1	MOSFET	SOT23
47	12.0104.05.00.01	C107	1	Tan capacitor	3528

48	11.0005.06.01.00	C337	1	SMD CAP	0201
54	10.0203.01.01.00	R13, R15	2	SMD RES	0201
55	10.0682.03.01.01	R10, R14	2	SMD RES	0201
56	11.0224.05.01.01	C364	1	SMD CAP	0201
57	11.0068.08.01.00	C362	1	SMD CAP	0201
58	11.0105.06.01.01	C2, C3, C6, C5, C407, C314, C315, C361, C384, C25, C106, C117, C118	13	SMD CAP	0201
59	11.0225.06.02.01	C365, C366, C21	3	SMD CAP	0402
60	11.0475.06.02.02	C406	1	SMD CAP	0402
61	11.0225.05.03.01	C363	1	SMD CAP	0603
62	11.0106.06.03.04	C368, C369, C403, C404, C20	5	SMD CAP	0603
63	11.0226.06.03.00	C1, C4, C402	3	SMD CAP	0603
64	10.0000.03.01.00	R307, R317, R315, R316, R300, L306, R2, R22, R112, R113, R9	11	SMD RES	0201
65	10.0224.03.01.01	R330	1	SMD RES	0201
66	10.0474.03.01.01	R4	1	SMD RES	0201
67	10.0033.03.01.00	R318	1	SMD RES	0201
68	10.0047.03.01.00	R508	1	SMD RES	0201
69	10.0220.03.01.01	R628, R1	2	SMD RES	0201
70	10.0100.03.01.00	R302, R609, R340, R341	4	SMD RES	0201
71	10.0102.03.01.00	R356,	1	SMD RES	0201
72	10.0402.01.01.00	R617	1	SMD RES	0201
73	10.0472.03.01.00	R348, R349, R12, R606, R607, R618, R7, R611, R612	9	SMD RES	0201
74	10.0103.03.01.01	R3, R6, R17, R5	4	SMD RES	0201
75	10.0104.03.01.01	R16	1	SMD RES	0201
76	10.0394.01.01.00	R624	1	SMD RES	0201
77	10.0223.06.01.00	R220, R333	2	Thermistor	0201

Shenzhen Ouzhitong Technology Co., Ltd.

Engineering BOM

Latest version number		2.0						BOM number		BOM131129003	
Document type		Engineering BOM						Date of filing		2013-11-29	
Parent code		PA23BDSM23-W2						Process number			
Parent name		WIFI semi-finished products						BOM units		PCS	
Parent specification		F23BDSM23-W2 12.0X12.0X2.0,Stamp hole,3.3V,External antenna,SDIO interface						Inventory unit		PCS	
Remarks											
No.	Status	Component coding	Component name	Component specifications	Unit	Dosage	loss	Bit number			
001	Ingredients	4CX10402EK-00	SMD Capacitance	0201 0.1uF,6.3V,±10%	PCS	10/1	0.3%	C9,C11,C30,C32,C33,C35,C36,C38,C39,C157			
002	Ingredients	4CX2P002HA-00	SMD Capacitance	0201 2pF,25V,±0.1pF	PCS	2/1	0.3%	C15,C16			
003	Ingredients	4CX4P702HA-00	SMD Capacitance	0201 4.7pF,25V,±0.1pF	PCS	2/1	0.3%	C25,C24			
004	Ingredients	4CX10002HJ-00	SMD Capacitance	0201 10pF,25V,±5%,NPO	PCS	3/1	0.3%	C14,C17,C34			
005	Ingredients	4CX22002HJ-00	SMD Capacitance	0201 22pF,25V,±5%	PCS	2/1	0.3%	C155,C148			
006	Ingredients	4CX47506EK-00	SMD Capacitance	0603 4.7uF,6.3V,±10%	PCS	2/1	0.3%	C41,C141			
007	Ingredients	4CX22606EM-00	SMD Capacitance	0603 22uF,6.3V,±20%, X5R	PCS	1/1	0.3%	C40			
008	Ingredients	4LX2N202XC-00	SMD Inductance	0201 2.2nH,±0.3nH	PCS	1/1	0.3%	L2			
009	Ingredients	4L47267AXM-00	SMD Wound inductance	Wound inductance 4.7UH .67A,±20% 2.4*2.4*1.0mm,NRH2410T4R7MN	PCS	1/1	0.3%	L4			
010	Ingredients	4R0RXX02XJ-00	SMD Resistance	0201 0R,±5%	PCS	6/1	0.3%	R4,R5,R7,R9,R19,R21			
011	Ingredients	4R104X02XJ-00	SMD Resistance	0201 100K,±5%	PCS	3/1	0.3%	R1,R2,R3			
012	Ingredients	4I8723BSVD-00	Main IC	RTL8723BS-VD-CG TFBGA,BGA10X10	PCS	1/1	0.0%	U1			
013	Ingredients	4Y26M25X10-00	SMD Crystal	26mhz ±10ppm,12pF,2520	PCS	1/1	0.0%	X1			
014	Ingredients	4P23BDSM12-01	PCB	F23BDSM23- V1.2,green,4L,30Contiguous,Stamp	PCS	1/1	0.0%	PCB			