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## X5510-1\_MB\_BOM1\_V2.9\_100701.xls

Sequence Number	Material Type	Material Description	NO. of Location	Single Dosages	Supplier	Remark
1	X5510_MB_V2.0	X5510_mainboard	mainboard	1	Meiwei/Yaxin	
2	MT6235A	MTK 6235 baseband	U101	1	MTK	
3	AD6548BCPZ	RF Tranceiver Chip	U608	1	ADI	
4	RF7163TR13	RF Power Amplifier	U605	1	RFMD	
5	TY8A0A111173KC40	4M*16b Nand+4M*4*16b Sdram MCP FALSE	U201	1	Toshiba	
6	MT6601	Bluetooth IC	U700	1	MTK	
7	TLG1120	NTSC/PAL TV Chip	U901	1	Telegent	
8	WM-G-MT-03	MODULE_WIFI_MT5921	U710	1	USI	
	WG2250-00				Jorjin	
10	LIS33DETR	Acceleration Transducer	U530	1	ST	
11	AW8145CSR	Single audio power amplifier - Class D	U304	1	Awinic	
13	AAT3110GUI-5.0-T1	Backlight IC	U705	1	Analogic Tech	
	SGM3110				SGMC	
	ET2110				ETEK	
14	FSA3157P6X	Single Analogue Switch	U510	1	Fairchild	
	SGM3167YC6				SGMC	
	ET3157				ETEK	
	SN74LVC1G3157DCKR				TI	
15	RT9193-33GB	Electric Pressure Converter (3.3V) 300mA	U709	1	RichTek	
	RP1202-33GB				Richpower	
	AAP2967-33VIR1				EuTech	
16	XC6209B122MR	LDO(1.2V,150mA/200mA)	U902	1	TOREX	
	XC6221B122MR				TOREX	
	SGM2019-1.2YN5G/TR				SGMC	

17	RT9193-28GB	Electric Pressure Converter (2.8V) 300mA	U903	1	RichTek	
	RP1202-28GB				Richpower	
	AAP2967-28VIR1				EUTECH	
18	NTHD3101FT1	Charging GGNMOS	U202	1	Onsemi	
	Si-5853DC-T1-E3				Vishay	
	WPM2005-8/TR				WillSemi	
19	MC-146	32.768KHZ Crystal Oscillator	X101	1	EPSON	
	SSP-T7-F(12.5pf)				Seiko	
20	EXS00A-CS01422	26MHZ Crystal Oscillator	U604	1	NDK	
	X3S026000B71HZ-NHPZ				HARMONY	
	TZ1387A				TAISAW	
	X1E000021031400				Epson	
	7M26000018				TXC	
	CXC3X260000GHVRP0M				Partron	
	SQ3D02600L2LNA				Samsung	
	XTL571100-M118-041				Siward	
21	TZ0462A	27MHz Crystal (3225)	X901	1	TST	
22	7V32000035	32M Crystal	U1	1	TXC	
	X1E000021016900				Epson	
24	SAFEB881MFLOF00R14	850 M receiving Filter	Z601	1	Murata	
	B39881-B9400-K610				Epcos	
	SF14-0881M5UB50				Kyocera	
25	SFR942PY002	900M 1800M Two-in-One receiving Filter	Z605	1	wisol	
	SAWEN942MCN0F00				Murata	
26	SAFEA1G96FA0F00	1900 M receiving Filter	Z603	1	Murata	
	B39202-B9403-K610				Epcos	
	SF14-1960M5UB50				Kyocera	
29	DLW21SN371SQ2	EMI*2;370 ohm;280mA;2.0*1.2mm	T901	1	Murata	
	GRM1555C1H6R0DZ01D				Murata	

30	UMK105 CG060CW-F	ayer chip cap 0402×0.5mm 50V 6pF ± 0.5pF	C601 C674 C675 C711 C788	5	TaiYo	
	CM05CG6R0D50AH				Kyocera	
	C0402C0G6R0D500NT/Y				EYANG	
31	GRM1555C1H7R0DZ01D	ayer chip cap 0402×0.5mm 50V 7pF ± 0.5pF	C633 C636 C639 C642	4	Murata	
	UMK105 CG070CW-F				TaiYo	
	CM05CG7R0D50AH				Kyocera	
32	C0402C0G7R0D500NT/Y	ayer chip cap 0402×0.5mm 50V 8pF ± 0.5pF	C708	1	EYANG	
	GRM1555C1H8R0DZ01D				Murata	
	UMK105 CG080CW-F				TaiYo	
33	CM05CG8R0D50AH	ayer chip cap 0402×0.5mm 50V 10pF 5%	C811	1	Kyocera	
	C0402C0G8R0D500NT/Y				EYANG	
	GRM1555C1H100JZ01D				Murata	
34	UMK105 CG100JV-F	ilayer chip cap 0402×0.5mm 50V 12pF 5%	C630 C641	2	TaiYo	
	CM05CG120J50AH				Kyocera	
	C0402C0G120J500NT/Y				EYANG	
35	GRM1555C1H150JZ01D	ilayer chip cap 0402×0.5mm 50V 15pF 5%	C928 C929	2	Murata	
	UMK105 CG150JW-F				TaiYo	
	CM05CG150J50AH				Kyocera	
36	C0402C0G150J500NT/Y	ilayer chip cap 0402×0.5mm 50V 18pF 5%	C629 C631 C656 C665 C705 C706 C921 C922	8	EYANG	
	GRM1555C1H180JZ01D				Murata	
	UMK105 CG180JW-F				TaiYo	
37	CM05CG180J50AH	ilayer chip cap 0402×0.5mm 50V 22pF 5%	C100 C101 C602 C621 C634	8	Kyocera	
	C0402C0G180J500NT/Y				EYANG	
	GRM1555C1H220JZ01D				Murata	
	UMK105 CG220JV-F				TaiYo	

37	CM05CG220J50AH	bilayer chip cap 0402x0.5mm 50V 22pF 5% C	C654 C672 C729	9	Kyocera	
	C0402C0G220J500NT/Y				EYANG	
39	GRM1555C1H330JZ01D	bilayer chip cap 0402x0.5mm 50V 33pF 5% C	C104 C105 C106 C107 C108 C109 C110 C112 C113 C115 C120 C121 C122 C127 C128 C203 C302 C306 C310 C312 C314 C316 C328 C329 C341	28	Murata	
	UMK105 CG330JV-F				TaiYo	
	CM05CG330J50AH				Kyocera	
	C0402C0G330J500NT/Y				EYANG	
40	GRM1555C1H390JZ01D	bilayer chip cap 0402x0.5mm 50V 39pF 5% C	C632 C647	2	Murata	
	UMK105 CG390JV-F				TaiYo	
	CM05CG390J50AH				Kyocera	
	C0402C0G390J500NT/Y				EYANG	
41	GRM1555C1H470JZ01D	bilayer chip cap 0402x0.5mm 50V 47pF 5% C	C606	1	Murata	
	UMK105 CG470JV-F				TaiYo	
	CM05CG470J50AH				Kyocera	
	C0402C0G470J500NT/Y				EYANG	
42	GRM1555C1H560JZ01D	bilayer chip cap 0402x0.5mm 50V 56pF 5% C	C671	1	Murata	
	UMK105 CG560JV-F				TaiYo	
	CM05CG560J50AH				Kyocera	
	C0402C0G560J500NT/Y				EYANG	
43	GRM1555C1H820JZ01D	bilayer chip cap 0402x0.5mm 50V 82pF 5% C	C604 C646	2	Murata	
	UMK105 CG820JV-F				TaiYo	
	CM05CG820J50AH				Kyocera	
	C0402C0G820J500NT/Y				EYANG	
44	GRM1555C1H101JZ01D	layer chip cap 0402x0.5mm 50V 100pF 5% C	C135 C138 C304 C308 C315 C327 C330	7	Murata	
	UMK105 CG101JV-F				TaiYo	
	CM05CG101J50AH				Kyocera	
	C0402C0G101J500NT/Y				EYANG	
45	GRM1555C1H121JZ01D	layer chip cap 0402x0.5mm 50V 120pF 5% C	C906 C910	2	Murata	
	UMK105 CG121JV-F				TaiYo	
	CM05CG121J50AH				Kyocera	

	C0402C0G121J500NT/Y				EYANG	
46	GRM1555C1H181JZ01D	layer chip cap 0402x0.5mm 50V 180pF 5%	C712	1	Murata	
	UMK105 CG181JV-F				TaiYo	
	CM05CG181J50AH				Kyocera	
	C0402C0G181J500NT/Y				EYANG	
47	GRM1555C1H221JZ01D	layer chip cap 0402x0.5mm 50V 220pF 5%	C678	1	Murata	
	UMK105 CG221JV-F				TaiYo	
	CM05CG221J50AH				Kyocera	
	C0402C0G221J500NT/Y				EYANG	
48	GRM155R71H102KA01D	bilayer chip cap 0402x0.5mm 50V 1nF 10%	C334 C335 C607 C700 C908 C911 C919 C932 C933 C934	10	Murata	
	UMK105 BJ102KV-F				TaiYo	
	CM05X7R102K50AH				Kyocera	
	C0402X7R102K500NT/Y				EYANG	
49	GRM155R71E103KA01D	layer chip cap 0402x0.5mm 25V 10nF 10%	C610 C702 C703 C717 C909 C914 C923 C941 C944	9	Murata	
	TMK105 BJ103KV-F				TaiYo	
	CM05X7R103K16AH				Kyocera	
	C0402X7R103K250NT/Y				EYANG	
50	GRM155R71E153KA01D	layer chip cap 0402x0.5mm 25V 15nF 10%	C917 C918	2	Murata	
	TMK105 BJ153KV-F				TaiYo	
	CM05X7R153K16AH				Kyocera	
	C0402X7R153K250NT/Y				EYANG	
51	GRM155R71E333K01D	layer chip cap 0402x0.5mm 25V 33nF 10%	C320 C321 C640	3	Murata	
	TMK105 BJ333KV-F				TaiYo	
	CM05X5R333K16AH				Kyocera	
	C0402X7R333K250NT/Y				EYANG	
52	GRM155R61C104KA01D	layer chip cap 0402x0.5mm 16V 100nF 10%	C130 C201 C205 C207 C215 C216 C218 C220 C235 C236 C247 C252 C253 C258 C301 C305 C307 C309 C325 C503 C505 C551 C609 C614 C615	42	Murata	
	EMK105 BJ104KV-F				TaiYo	
	CM05X5R104K10AH				Kyocera	
	C0402X5R104K160NT/Y				EYANG	

53	GRM155R61A224KA01D	0402 Chip Ceramic Capacitors (220nF)	C208 C509 C637 C805	4	Murata	
	LMK105BJ224KV-F				TaiYo	
	CM05X5R224K06AH				Kyocera	
	C0402X5R224K100NT/Y				EYANG	
54	GRM155R61A105KA01D	0402 Chip Ceramic Capacitors (1uF)	C131 C211 C227 C233 C234 C238 C239 C242 C245 C246 C322 C501 C504 C512 C523 C701 C713 C920 C924 C925 C926	21	Murata	
	LMK105BJ105KV-F				TaiYo	
	CV05X5R105K06AH				Kyocera	
	C0402X5R105K100NT/Y				EYANG	
55	GRM188R61A105KA01D	Multilayer chip cap 0603x0.8mm 10V 1uF 10%	C231 C510	2	Murata	
	LMK107 BJ105KA-T				TaiYo	
	CM105X5R105K10AT				Kyocera	
	C0603X5R105K100NT				EYANG	
56	GRM188R61A225KE34D	Multilayer chip cap 0603x0.8mm 10V 2.2uF 10%	C206 C224 C256 C326 C508 C517 C942 C945 C946	9	Murata	
	LMK107 BJ225KA-T				TaiYo	
	CM105X5R225K06AT				Kyocera	
	C0603X5R225K100NT				EYANG	
57	GRM188R60J475KE19D	Multilayer chip cap 0603x0.8mm 6.3V 4.7uF 10%	C202 C210 C225 C226 C228 C229 C240 C553 C704 C719 C784 C791	12	Murata	
	JMK107 BJ475KA-T				TaiYo	
	CV105X5R475K06AT				Kyocera	
	C0603X5R475K6R3NT				EYANG	
58	GRM21BR61A106KE19L	Multilayer chip cap 0805x1.25mm 10V 10uF 10%	C209 C214 C243 C274 C303 C311 C707 C789 C904	9	Murata	
	JMK212 BJ106KG-T				TaiYo	
	LMK212 BJ106KG-T				TaiYo	
	CM21X5R106K06AT				Kyocera	
	C0805X5R106K100NTM				EYANG	
59	F930J226MAA	CASEB Tantalum Capacitors(22uF)	C261 C313 C317 C401	4	Nichicon	
	TAJA226M006R				AVX	
	TEESVA0J226M8R				NEC	

60	F930J476MAA	1206 Tantalum Capacitors(47uF)	C655	1	Nichicon	
	TAJA476M006R				AVX	
	TEESVA0J476M8R				NEC	
61	RB521S-30	Diode	D201 D301	2	Rohm	
	RB521S-30				CHANGJIANG ELEC	
62	2SC4617TLR	Triode	Q201 Q501	2	Rohm	
	2SC4617				CHANGJIANG ELEC	
64	CZRU52C5V6	5.1V Zener Diode	Z201	1	ComChip	
	MM5Z5V1T1				OnSemi	
	NZ9F5V1T5G				OnSemi	
	BZX584C5V1				CHANGJIANG ELEC	
65	BLM15HD102SN1D	0402 SMD Chip Beads (1000ohm/100MHZ)	B101 B102 B103 B104 B301 B302 B303 B304 B305 B306 B307 B308 B309 B310 B313 B901 B902 B904 B906 L203 L204 L505 L612	23	Murata	
66	LQG15HS1N2S02	0402x0.5mm Standard multi-layer air core 300	L700	1	Murata	
	HK1005 1N2S-T				Taiyo	
67	LQG15HS1N5S02	0402x0.5mm Standard multi-layer air core 300	L704	1	Murata	
	HK1005 1N5S-T				Taiyo	
68	LQG15HS4N3S02	0402x0.5mm Standard multi-layer air core 300	L609 L610	2	Murata	
	HK1005 4N3S-T				Taiyo	
69	LQG15HS8N2J02	0402 Chip Ceramic Inductor (8.2nH)	L912 L913 L914	3	Murata	
	HK1005 8N2J-T				Taiyo	
70	LQG15HS15NJ02D	0402 Chip Ceramic Inductor (15nH)	L608 L613 L901 L903 L904	5	Murata	
	HK1005 15NJ-T				Taiyo	
71	LQG15HS27NJ	0402 Chip Ceramic Inductor (27nH)	L906 L910	2	Murata	
	HK1005 27NJ-T				Taiyo	
72	LQG15HS39NJ	0402 Chip Ceramic Inductor (39nH)	L907 L911	2	Murata	
	HK1005 39NJ-T				Taiyo	
73	LQG15HSR10J	0402 Chip Ceramic Inductor (100nH)	L1101 L1102	2	Murata	

73	HK1005R10J-T	0402 Chip Ceramic Inductor (100nH)	L101 L102	2	Taiyo	
74	0603AS-R33J-01	0603 Chip Wire Wound Inductor (330nH)	L905 L908	2	fastron	
	LQW18ANR33J00D				Murata	
	C1608CB-R33J				Sagami	
	AOI1608CNR33JT				ARLITECH	
	LMC1608TP-R331J				ABCC	
75	0603AS-R39J-01	0603 Chip Wire Wound Inductor (390nH)	L909	1	fastron	
	LQW18ANR39J00D				Murata	
	C1608CB-R39J				Sagami	
	AOI1608CNR39JT				ARLITECH	
	LMC1608TP-R391J				ABCC	
76	NR3012T4R7M	4.7uH Power Inductors	L201	1	TaiYo	
	NR3010T4R7M				TaiYo	
	SQE3010T-4R7M-N				CHILISIN	
77	RC0402JR-070RL	0402 SMD Resistor (0R)	C709 C742 C743 L600 R245 R257 R258 R754	8	Yageo	
	WR04X000PTL				Walsin	
	RTT02000JTH				Ralec	
78	RL0805FR-7W0R22L	0805 SMD Resistor (0.22R)	R201	1	Yageo	
	WW08PR220FTL				Walsin	
	RTT05R220FTP				Ralec	
79	RC0402JR-0710RL	0402 SMD Resistor (10R)	R247 R512 R813	3	Yageo	
	WR04X100 JTL				Walsin	
	RTT02100JTH				Ralec	
80	RC0402JR-0727RL	0402 SMD Resistor (27R)	L604	1	Yageo	
	WR04X270 JTL				Walsin	
	RTT02270JTH				Ralec	
81	RC0402JR-0733RL	0402 SMD Resistor (33R)	R206 R503 R803	3	Yageo	
	WR04X330 JTL				Walsin	
	RTT02330JTH				Ralec	



82	RC0402FR-0751RL	0402 SMD Resistor (51R)	R633	1	Yageo	
	WR04X510 JTL				Walsin	
	RTT02510JTH				Ralec	
83	RC0402FR-0756RL	0402 SMD Resistor (56R)	L601	1	Yageo	
	WR04X560 JTL				Walsin	
	RTT02560JTH				Ralec	
84	RC0402JR-0768RL	0402 SMD Resistor (68R)	R501 R502 R505 R508	4	Yageo	
	WR04X680 JTL				Walsin	
	RTT02680JTH				Ralec	
85	RC0402JR-07100RL	0402 SMD Resistor (100R)	R430 R431 R902	3	Yageo	
	WR04X101 JTL				Walsin	
	RTT02101JTH				Ralec	
86	RC0402JR-07180RL	0402 SMD Resistor (180R)	R308 R309	2	Yageo	
	WR04X181 JTL				Walsin	
	RTT02181JTH				Ralec	
87	YC124-JR-07470RL	Four-in-one Exclusion (470R)	R951 R952 R953	3	Yageo	
88	RC0402JR-071KL	0402 SMD Resistor (1K)	R202 R205 R301 R304 R305 R307 R404 R405 R600 R601 R603 R606 R607	13	Yageo	
	WR04X102 JTL				Walsin	
	RTT02102JTH				Ralec	
89	RC0402JR-071K5L	0402 SMD Resistor (1.5K)	R302 R303 R306	3	Yageo	
	WR04X152 JTL				Walsin	
	RTT02152JTH				Ralec	
90	RC0402JR-072K2L	0402 SMD Resistor (2.2K)	R605 R608 R631 R632	4	Yageo	
	WR04X222 JTL				Walsin	
	RTT02222JTH				Ralec	
91	RC0402FR-072K49L	0402 SMD Resistor (2.49K)	R901 R903 R904 R905	4	Yageo	
	WR04X2492 FTL				Walsin	
	RTT022492 FTH				Ralec	
92	RC0402JR-073K9L	0402 SMD Resistor (3.9K)	R211	1	Yageo	
	WR04X392 JTL				Walsin	
	RTT02392JTH				Ralec	

93	RC0402JR-074K7L	0402 SMD Resistor (4.7K)	R553 R554 R931 R932	4	Yageo	
	WR04X472 JTL				Walsin	
	RTT02472JTH				Ralec	
94	RC0402FR-075K1L	0402 SMD Resistor (5.1K 1%)	R102	1	Yageo	
	WR04X512 FTL				Walsin	
	RTT02512FTH				Ralec	
95	RC0402JR-0710KL	0402 SMD Resistor (10K)	R312 R320 R602 R801 R802	5	Yageo	
	WR04X103 JTL				Walsin	
	RTT02103JTH				Ralec	
96	RC0402JR-0712K1L	0402 SMD Resistor (12.1K)	R521	1	Yageo	
98	RC0402JR-0724KL	0402 SMD Resistor (24K)	R313	1	Yageo	
	WR04X243 JTL				Walsin	
	RTT02243JTH				Ralec	
99	RC0402JR-0736KL	0402 SMD Resistor (36K)	R609	1	Yageo	
	WR04X363 JTL				Walsin	
	RTT02363JTH				Ralec	
100	RC0402JR-0747KL	0402 SMD Resistor (47K)	R212 R213 R214 R215 R216 R217 R251 R555 R729	9	Yageo	
	WR04X473 JTL				Walsin	
	RTT02473JTH				Ralec	
101	RC0402JR-0751KL	0402 SMD Resistor (51K)	R507	1	Yageo	
	WR04X513 JTL				Walsin	
	RTT02513JTH				Ralec	
102	RC0402JR-07100KL	0402 SMD Resistor (100K)	R203 R204 R225 R319 R468 R504 R506 R529 R709 R710 R805 R809 R810 R816	14	Yageo	
	WR04X104 JTL				Walsin	
	RTT02104JTH				Ralec	
103	RC0402JR-0710ML	0402 SMD Resistor (10M)	R101	1	Yageo	
	WR04X106 JTL				Walsin	
	RTT02106JTH				Ralec	
104	XH414H IV01E	Capacitive Battery Backup 3.3V 0.015mAh	RTC201	1	Seiko	
	SCSM3R3703T01				Korchip	

	SF-3R3-ER -104Z				Smart Thinker	
105	MLVS0402M07	Over-voltage Protection Device	T308 T309 T402 T403 T404 T405 T406 T407 T408 T410 T411 T412 T415 T416 T417	18	JiaBang Electronic	
	SDV1005A140C12NPTF				Sunlord	
106	MM8430-2600B	RF Test Points	J600	1	Murata	
	MHC-310				AMPHENOL	
	MM8430-2610B				Murata	
	818000001				ECT	
107	XYB-12P-06	System Connectors (12pin)	CON402	1	XianYu	
	MUB01-AK22110				FeiYang	
108	KM100846N1R	TF Cassette(push-push,H=1.9,molex)	CON201	1	HuiLe	
109	XYSC6PAG14SK-18MM-2	SIM Connectors	CON440-441	2	XianYu	
	03-0621136				XinWei	
110	3F32	3.5MM Earphone Socket	CON403	1	XianYu	
	HMT-60500006-035				HuaMingTong	
111	KBC23S3H1R	CONN-BATT,H=5.0, 2.5PITCH, 3PIN	BAT501	1	HuiLe	
	02-03001				XinWei	
112	SC08341-001	J480-TV-SHIELDING	SHD3	1	LaiMu	
	4-00-50122				XinWei	
113	SC08522-002	J811 RF Four Frequency SHD 14*18	SHD1	1	LaiMu	
	4-00-50113				XinWei	
114	SC08481-001	2.0mmH RF PA SHD	SHD2	1	LaiMu	
	4-00-50114				XinWei	

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