

MODEL NAME : CCU-550

VERSION : 2.1

DATE : 2005.04.20

PART LIST (Top&Bot.)

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1. Main PCB assembly

NO	DESCRIPTION	PART NO.	Q'ty	REFERENCE NO (TOP)	REFERENCE NO (Bot.)	MANUFACTURER	Note
1	Build-up, 8L,B-type	CCU-550U_Main PCB	1			SOMACIS KOREA	
2	RF CONNECTOR	GDRFC-2PF(ST)	1		RFCON100	GOLDEN CONNECTOR	
3	Internal SPRING type Antenna 15.2 ± 0.5 mm, 0.5, PWG	HW-860-S	1	ANT1		HAN WOOL TECH	
4	R-UIM CONNECTOR	GDSC-06SCS-30SMT-W/C	1		CON401	GOLDEN CONNECTOR	
5	EAR JACK	EPJ1-5-A-TD	1		CON402	BMB Con.	
6	4P_Socket (Female) Pitch:1.27mm,Height:2.2mm	BMBS1.27-2.2H-4PIN	1		CON403	BMB Con.	
7	USB CONNECTOR (A-TYPE PLUG)	UAP-SSS1031-0	1	CON404		BMB Con.	
8	MODEM PROCESSOR	MSM5500 CP90_V1280	1	U400		QUALCOMM	
9	MCP(64M+16M)	SV5C6416UBR-70I SV6C6416xA LRS1806F	1	U301		Silicon7 Silicon7 SHARP	
10	CELL DUPLEXER	EFSD836MD2S7	1	DUX100		Panasonic	
11	TX TRANSCEIVER	RFT3100-2/1	1	U200		QUALCOMM	
12	RX TRANSCEIVER	S1M8662A01-F0T0 IFR3500	1	U101		SEC QUALCOMM	
13	POWER AMPLIFIER	CX77105-16P	1	U201		SKYWORKS	
14	DUAL BAND LNA+MIXER	ITM2520	1	U100		INTEGRANT	
15	PLL IC	S1M8838X01-NOTO	1	U103		SEC	
16	Single BAND VCO	LSV1395BUS	1	U104		LISOTEK	
17	LO BUFFER Amplifier	MAAMSS0005TR	1	U202		M/A-COM	
18	RX RF SAW FILTER	SFH881NF001	1	FL100		SEC	
19	TX RF SAW FILTER	SFH836NF001	1	FL200		SEC	
20	RX IF SAW FILTER	FSMS0183C1					

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24	USB TRANSCEIVERS	ISP1105W ISP1102W	1	U302		PHILIP	
25	TVS ARRAY COMBO	PSR05	1		U401	PROTEK	
26	TVS ARRAY	PSMF05	2		U408, U409	PROTEK	
27	VARISTOR	AVLC 5S 02 100 SIOV-CT0402L14G	2		VR400, VR401	AMOTECH EPCOS	
28	NTC THERMISTOR(SMD)	2322_615_33683 (0603 68K+/-5%)	1		TH300	BC component	
29	VARACAP DIODE	1SV281	4	VD100, VD101, VD200, VD201		TOSHIBA	
30	DC-DC, 1.5A, 1.3MHz PWM Buck Regulator	FAN2011	1		U410	Fairchild	
31	Dual LDO (2.8V, 2.7V) & RESET IC	TC1301A-FGAVMFTR(2.7V) TC1301A-FHAVMFTR(2.6V)	1		U403	MICROCHIP	
32	LDO, 3V, 100mA	TC1015-3.0VCT	3		U404,U407,U406	MICROCHIP	
33	LDO,150mA	TPS76430 TC1015-3.0VCT	1		U405	TI MICROCHIP	
34	TR	EMH3-T2R	1		Q404	ROHM	
35	TR	DTC-143TM	3		Q400, Q402, Q403	ROHM	
36	BJT,NPN &PNP	EMD9-T2R	1		Q200	ROHM	
37	FUSE,0603	FCC16-202-AD	1		FU400	KAMAYA	
38	LED (Green,Red)	TCL-C71RXD	1	LED401		TCO	
39	LED (Blue)	TCL-P1BD	1	LED400		TCO	
40	Power Inductor (5.6 X6.0 X1.3)	LPO6013-222	1		L304	COILCRAFT	
41	Inductor,Bead	HB-1M1608-601JT	6	BD200,BD201,BD202	BD400,BD401,BD402	CERATECH	
42	Inductor,Bead	HH-1M2012-221JT	1		BD203	CERATECH	
43	Inductor,Bead	SBY100505T-121Y-S	1		BD1000	CHILSIN	
44	CHIP TANTAL CAP 10uF/6.3V/P-type	TA-6R3TCML 100M-PR	18	TC100,TC101,TC102,TC103,TC104 TC200,TC300	TC201,TC202,TC203,TC402,TC403 TC404,TC405,TC406,TC407,TC408 TC409	FUJITSU	
45	CHIP TANTAL CAP 22uF						

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55	Ceramic MLCC, 12pF	0402 NPO 120	3	C103,C207,C227		PHYCOMP	
56	Ceramic MLCC, 15pF	0402 NPO 150	2	C111,C140		PHYCOMP	
57	Ceramic MLCC, 18pF	0402 NPO 180	2		C335,C336	PHYCOMP	
58	Ceramic MLCC, 22pF	0402 NPO 220	3	C208,C209,C235		PHYCOMP	
59	Ceramic MLCC, 24pF	0402 NPO 240	2	C114,C115		PHYCOMP	
60	Ceramic MLCC, 33pF	0402 NPO 330	4	C125,C126	C418,C419	PHYCOMP	
61	Ceramic MLCC, 47pF	0402 NPO 470	1	C218		PHYCOMP	
62	Ceramic MLCC, 56pF	0402 NPO 560	1	C224		PHYCOMP	
63	Ceramic MLCC, 68pF	0402 NPO 680	2	C226,C228		PHYCOMP	
64	Ceramic MLCC, 100pF	0402 NPO 101	22	C108,C112,C133,C136,C141 C200,C201,C202,C203,C219 C221,C231	C106,C216,C234,C318,C322 C323,C325,C326,C327,C413	PHYCOMP	
65	Ceramic MLCC, 220pF	0402 NPO 221	2	C313,C314		PHYCOMP	
66	Ceramic MLCC, 330pF	0402 X7R 331K	2	L115	C237	PHYCOMP	
67	Ceramic MLCC, 1nF	0402 X7R 102K	19	C118,C119,C145,C146,C210 C211,C215,C244	C110,C205,C212,C238,C312 C403,C406,C407,C409,C411 C121	PHYCOMP	
68	Ceramic MLCC, 2.7nF	0402 X7R 272K	1	C130		PHYCOMP	
69	Ceramic MLCC, 3.3nF	0402 X7R 332K	3	C128,C137,C220		PHYCOMP	
70	Ceramic MLCC, 4.7nF	0402 X7R 472K	1	C120		PHYCOMP	
71	Ceramic MLCC, 5.6nF	0402 X7R 562K	1		C213	PHYCOMP	
72	Ceramic MLCC, 6.8nF	0402 X7R 682K	1	C230		PHYCOMP	
73	Ceramic MLCC, 10nF	0402 X7R 103K	21	C113,C142,C143,C214,C317	C109,C122,C148,C232,C241 C319,C320,C324,C402,C404 C405,C408,C410,C414,C4150 C4190	PHYCOMP	
74	Ceramic MLCC, 33nF	0402 Y5V 333Z	1	C139		PHYCOMP	
75	Ceramic MLCC, 47nF	0402 Y5V 47					

84	Ceramic Inductor,15nH	CI-B1005-150JJT	2	L105,L207		CERATECH	
85	Ceramic Inductor,33nH	CI-B1005-330JJT	1	L204		CERATECH	
86	Ceramic Inductor,39nH	CI-B1005-390JJT	1	L206		CERATECH	
87	Ceramic Inductor,56nH	CI-B1005-560JJT	1	L104		CERATECH	
88	Wire type Inductor (J급,22N)	0603CS-22NXJBW	2	L106,L107		COILCRAFT	
89	Wire type Inductor (J급,24N)	0603CS-24NXJBW	2	L200,L201		COILCRAFT	
90	Wire type Inductor (J급,56N)	0603CS-56NXJBW	1	L109		COILCRAFT	
91	Wire type Inductor (J급,100N)	0603CS-100NXJBW	1	L108		COILCRAFT	
92	Wire type Inductor (G급,22N)	0805CS-220NGBC	2	L202,L110		COILCRAFT	
93	Chip Resistor,0R	0402 J 0R	3	R102,L209	R303	PHYCOMP	
94	Chip Resistor,3R	0402 J 3R	1	R115		PHYCOMP	
95	Chip Resistor,4.7R	0402 J 4R7	2		R414,R415	PHYCOMP	
96	Chip Resistor,22R	0402 J 22R	3	R110,R111,R112		PHYCOMP	
97	Chip Resistor,30R	0402 J 30R	3	R116,R319,R320		PHYCOMP	
98	Chip Resistor,51R	0402 J 51R	1	R207		PHYCOMP	
99	Chip Resistor,100R	0402 J 100R	7	R100,R121,R122,R124,R200	R123,R300	PHYCOMP	
100	Chip Resistor,220R	0402 J 220R	7	R400,R401,R402,R403,R404	R417,R418	PHYCOMP	
101	Chip Resistor,470R	0402 J 470R	1	R114		PHYCOMP	
102	Chip Resistor,820R	0402 J 820R	4	R109,R450,R452,R453		PHYCOMP	
103	Chip Resistor,1K	0402 J 1K	16	R105,R125,R201	R117,R119,R202,R304,R306 R307,R310,R311,R332,R405 R406,R413,R416	PHYCOMP	
104	Chip Resistor,1.8K	0402 J 1K8	2	R321	R308	PHYCOMP	
105	Chip Resistor,2K	0402 J 2K	1		R208	PHYCOMP	
106	Chip Resistor,2.2K	0402 J 2K2	1		R323	PHYCOMP	
107	Chip Resistor,2.7K						

121	Chip Resistor,75K,1%	0402 F 75K	1		R313	PHYCOMP	
122	Chip Resistor,100K,1%	0402 F 100K	1		R314	PHYCOMP	
123	DNI	1005	10	C116,C245,L203,L205,R120 C236	C415,C416,CON401,CON402		

2. Case assembly

NO	PART NAME	DESCRIPTION	Q'ty	RESIN COLOR	외관 COLOR	MANUFACTURER	Note
Top Cover Assembly						창현 EMI	
1	Top cover	PC_GE 141R-70310 / CNK_Black	1	Gray	Metallic Gray	남성정밀/유진테크	
2	EMI bracket	PC_GE 141R-70310	1	Gray	EMI 도료 Color	남성정밀/창현 EMI	
3	EMI Bracket_Double side Tape	3M 9448HK, 0.16t	1			전진기업사	
4	Lens	PC	2		Milky	남성정밀	
5	Spring	SUS301	1			유진스프링	
6	Deco knob	PC_GE 141R-70310	1	Gray	크롬도금	남성정밀/제일정밀	
Cap Main Assembly						창현 EMI	
7	Cap main	PC_GE 141R-70310 / 삼성화학_Silver	1	Gray	Metallic Silver	남성정밀/유진테크	
8	Cap deco	PC_GE 141R-70310 / CNK_Black	1	Gray	Metallic Gray	남성정밀/유진테크	
9	Cap clip	PC_GE 141R-70310 / CNK_Black	1	Black	Metallic Gray	남성정밀/유진테크	
10	Cap deco_Double side Tape	3M 벤처 Type 4965_0.1t	1			전진기업사	
11	Screw_TS_2X4	납작머리_2X4	1		니켈도금	금원정밀	
12	Bottom cover	PC_GE 141R-70310 / 삼성화학_Silver	1	Gray	Metallic Silver	남성정밀/유진테크	
13	RF_cap	Silicon_고인장_경도 60도	1	PANTONE_Cool Gray 4C		남경화학	
14	DM hole_cover	PVC 0.35t 6.5X6.5	1		White	전진기업사	
15	Screw_TS_1.4X4	납작머리_1.4X4_TROX-6	2		니켈도금	금원정밀	
16	Pouch	제품주머니_극세사	1		Black	R&P	
17	Tray	PS_Blister_173X160X140	1				