

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multi charger TX	DATE	SHEET
		ASS'Y NAME	KEY/LCD MODULE		FREQUENCY	PLL	2009/6/11	1/1
		관리 번호	LTKT-PL-MCT-01		특이 사항	Key		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
1	PCB	2-LEAYER 1.6T	1	EA	LTKTC-MCT-2009K REV1.1 090529	성동전자		
2	LCD MODULE	APEX-AX07001	1	EA		옵티마ENC	수삽	
3	LCD JUMP WIRE(16PIN)	180mm,16PIN	1	EA			수삽	
4	Key JUMP WIRE(14PIN)	100mm,14PIN	1	EA			수삽	
5	RES CHIP 2.2KΩ	MCR03EZHX332(1608)	4	EA	R138,R139,R140,R141	ROHM		
6	RES CHIP 3.3KΩ	MCR03EZHX332(1608)	12	EA	R126,R127,R128,R129,R130,R131 R132,R133,R134,R135,R136,R137	ROHM		
7	SW	TACT1187(160g)	16	EA	SW101,SW102,SW103,SW104 SW105,SW106,SW107,SW108 SW109,SW110,SW111,SW112 SW113,SW114,SW115,SW116			
8	CONNECTOR 14PIN	5268-14PIN (A/G)	1	EA	CON109	key wafer	수삽	
9	CONNECTOR 16PIN	5268-16PIN (A/G)	1	EA	CON103_1	LCD wafer	수삽	
10	LED(RED)	L-C191KRCT	1	EA	LED118			
11	LED(GREEN)	L-C191KRCT	1	EA	LED119			
12	LED(White)	S1608WH-4Y(경림) SP0603WW(레전드)	16	EA	LED102,LED103,LED104,LED105 LED106,LED107,LED108,LED109 LED110,LED111,LED112,LED113 LED114,LED115,LED116,LED117			

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	MutichargerTX	DATE	SHEET
		ASS'Y NAME	RF ASS'Y		FREQUENCY	PLL	2009/6/11	1/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	RF		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
1	IC	CC1070	1	EA	U109	CHIPCON		
2	Swiching REGULATOR	S5233M	1	EA	U110			
3	FET	2SK3079A	2	EA	Q107,Q108	Tohsiba		
4	TR	2SC3356(R25)	1	EA	Q106	NEC		
5	CHIP IND 12nH	0805CS-120EMPS	1	EA	L108,	FASTRON		
6	CHIP IND 15nH	0805CS-150EMPS	5	EA	L105,L106,L109,L110,L111	FASTRON		
7	CHIP IND 27nH	0805CS-270EMPS	2	EA	L101,L104	FASTRON		
8	CHIP IND 47nH	0805CS-470EMPS	1	EA	L103	FASTRON		
9	CHIP IND 56nH	0805CS-560EMPS	2	EA	L102,L107	FASTRON		
10	CAP CHIP TANTAL 10uF/6V	106/6.3V 'A'	2	EA	EC114,EC116	AVX(ELMA)		
11	CAP CHIP TANTAL 22uF/6V	226/6.3V 'A'	2	EA	EC113,EC115	AVX(ELMA)		
12	CAP CHIP TRIMMER 20pF	TZC03Z200A110T00	1	EA	TC101	PANASONIC		
13	CAP CHIP 1.5pF(2012 TYPE)	50V V0.25% 1.5P	1	EA	C186	MURATA		
14	CAP CHIP 2pF(2012 TYPE)	50V V0.25% 2P	1	EA	C184	MURATA		
15	CAP CHIP 3pF(2012 TYPE)	50V V0.25% 3P	3	EA	C185,C188,C189	MURATA		
16	CAP CHIP 8pF(2012 TYPE)	50V V0.25% 8P	1	EA	C190	MURATA		
17	CAP CHIP 1pF	GRM1885C1H1R0CZ01D	2	EA	C172,C174	MURATA		
18	CAP CHIP 3pF	GRM1885C1H3R0CZ01D	2	EA	C152,C158,	MURATA		
19	CAP CHIP 4pF	GRM1885C1H4R0CZ01D	2	EA	C148,C168,	MURATA		
20	CAP CHIP 5pF	GRM1885C1H5R0CZ01D	2	EA	C139,C169,	MURATA		
21	CAP CHIP 6pF	GRM1885C1H6R0CZ01D	1	EA	C175	MURATA		
22	CAP CHIP 8pF	GRM1885C1H8R0CZ01D	1	EA	C150	MURATA		
23	CAP CHIP 10pF	GRM1885C1H100CZ01D	1	EA	C159	MURATA		
24	CAP CHIP 18pF	GRM1885C1H180CZ01D	1	EA	C160	MURATA		
25	CAP CHIP 33pF	GRM1885C1H330CZ01D	2	EA	C161,C176	MURATA		

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multicharger TX	DATE	SHEET
		ASS'Y NAME	RF ASS'Y		FREQUENCY	PLL	2009/6/11	2/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	RF		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
26	CAP CHIP 47pF	GRM1885C1H470CZ01D	1	EA	C142	MURATA		
27	CAP CHIP 68pF	GRM1885C1H680CZ01D	2	EA	C143,C144	MURATA		
28	CAP CHIP 120pF	GRM1885C1H121CZ01D	1	EA	C181	MURATA		
29	CAP CHIP 220pF	GRM188R71H221KA01D	2	EA	C156,C132	MURATA		
30	CAP CHIP 330pF	GRM188R71H331KA01D	2	EA	C162,C177	MURATA		
31	CAP CHIP 1000pF	GRM188R71H102KA01D	10	EA	C134,C135,C138,C141,C165,C171 C180,C182,C191,C192	MURATA		
32	CAP CHIP 2200pF	GRM188R71H222KA01D	1	EA	C145	MURATA		
33	CAP CHIP 8200pF	GRM188R71H822KA01D	1	EA	C147	MURATA		
34	CAP CHIP 0.01uF	GRM188R71H103KA01D	3	EA	C137,C140,C153	MURATA		
35	CAP CHIP 0.1uF	GRM188R71H104KA01D	10	EA	C130,C131,C133,C136,C154,C164 C166,C170,C178,C179,	MURATA		
36	CAP CHIP 0.22uF	GRM188R71H224KA01D	1	EA	C146	MURATA		
37	RES CHIP 10Ω	MCR03EZHJX100	2	EA	R168,R171	ROHM		
38	RES CHIP 22Ω	MCR03EZHJX220	1	EA	R164	ROHM		
39	RES CHIP 33Ω	MCR03EZHJX330	1	EA	R158	ROHM		
40	RES CHIP 330Ω	MCR03EZHJX331	1	EA	R157	ROHM		
41	RES CHIP 1KΩ	MCR03EZHJX102	11	EA	R146,R147,R148,R149,R150,R151 R152,R153,R154,R155,R163	ROHM		
42	RES CHIP 1.5KΩ	MCR03EZHJX152	1	EA	R160	ROHM		

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LEE TECHNOLOGY KOREA CO.,LTD.

PART LIST	PROJECT	TRANSMITTER	MODEL NAME	Multicharger TX	DATE	SHEET
	ASS'Y NAME	LOGIC ASS'Y	FREQUENCY	PLL	2009/6/11	1/3
	관리 번호	LTKT-PL-MCT-01	특이 사항	Main		

*Multicharger TX IQ/G3/Slim에서 connector con105와 con106을 제외한 모든 connector는 삽입한다.
(con5는 IQ만 삽입, con106은 Slim만 삽입, G3는 con106 삽입 과 con105(16Pin)에 6Pin connector를 정방향에서 우측방향으로 삽입한다.)
*이번 작업에서 RX부분은 제외됩니다.(EC110, con108, C126,D107,D108,D109,R120,R122는 제외NC 처리합니다)

NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK
1	PCB	2-LEAYER 1.6T	1	EA	LTKTC-MCT-2009T_REV1.2 090603	jandcircuit	
2	IC CPU	PIC18F8722-1/PT	1	EA	U101	MICROCHIP	
3	IC CPU	PIC18F4620	1	EA	U104	MICROCHIP	
4	IC CPU	CP2102	1	EA	U105	SiLab	
5	IC EEPROM	24LC02B	1	EA	U102	MICROCHIP	
6	IC CLOCK	DS1302S	1	EA	U103	DALLAS	
7	REGULATOR	MC7805CT	2	EA	U108, U107	MOTOROLA	수삽
8	REGULATOR	S7805D(SMD type)	1	EA	U106	KEC	
9	TR	KTN2907AS(SOT-23)	1	EA	Q103	KEC	
10	TR	KRC114	4	EA	Q101, Q102, Q104, Q105	KEC	
11	CHIP DIODE	MA111	4	EA	D110, D111, D112, D113		
12	CHIP DIODE	1SR-154-400	6	EA	D101,D102,D103,D104,D105,D106 D107(NC),D108(NC),D109(NC)	서울 반도체	
13	DIODE LED	RED COLOR(L-C191KRCT)	1	EA	LED101		
14	CAP ELECTRIC 220uF/25V	220uF/25V	3	EA	EC101, EC103, EC105	SAM YOUNG	수삽
15	CAP ELECTRIC 470uF/10V	470uF/10V	4	EA	EC102, EC104, EC106, EC107	SAM YOUNG	수삽
16	CAP TANTAL 1uF/6V	ECSTOGY105R	1	EA	EC112	AVX(ELMA)	
17	CAP TANTAL 10uF/6V	ECSTOGY106R	3	EA	EC108, EC109, EC111	AVX(ELMA)	
18	CAP TANTAL 22uF/6V	ECSTOGY226R	0	EA	EC110(NC)	AVX(ELMA)	
19	COIL BEAD	BEAD 3550	4	EA	BLF101,BLF102,BLF103,BLF104	세일반도체	수삽

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multicharger TX	DATE	SHEET
		ASS'Y NAME	LOGIC ASS'Y		FREQUENCY	PLL	2009/6/11	2/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	Main		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
20	CAP CHIP 12pF	GRM1885C1H120JA01D	2	EA	C117,C118	MURATA		
21	CAP CHIP 27pF	GRM1885C1H270JA01D	2	EA	C110,C122	MURATA		
22	CAP CHIP 33pF	GRM1885C1H330JA01D	2	EA	C123,C111	MURATA		
23	CAP CHIP 100pF	GRM1885C1H101JA01D	1	EA	C119	MURATA		
24	CAP CHIP 0.1uF	GRM188R71H104KA01D	18	EA	C101,C102,C103,C104,C105,C106 C107,C109,C112,C113,C114,C115 C116,C121,C124,C127,C128,C129	MURATA		
25	CAP CHIP 1uF	GRM188R71H105KA01D	3	EA	C108,C120,C125,C126(NC)	MURATA		
26	RES CHIP 470Ω	MCR03EZHX471	5	EA	R105,R106,R107,R108,R119	ROHM		
27	RES CHIP 1KΩ	MCR03EZHX102	11	EA	R101,R103,R104,R109,R117,R118 R124,R142,R143,R144,R145	ROHM		
28	RES CHIP 4.7KΩ	MCR03EZHX472	1	EA	R123	ROHM		
29	RES CHIP 10KΩ	MCR03EZHX103	5	EA	R111,R114,R115,R122,R162	ROHM		
30	RES CHIP 22KΩ	MCR03EZHX223	1	EA	R112	ROHM		
31	RES CHIP 68KΩ	MCR03EZHX683	1	EA	R113	ROHM		
32	RES CHIP 100KΩ	MCR03EZHX104	2	EA	R121,R125	ROHM		
33	RES CHIP 1MΩ	MCR03EZHX105	2	EA	R102,R116	ROHM		
34	RES CARBON(DIP)	CARBON 39Ω 1/2W	1	EA	R110	DAE HO	수삽	
35	RES CARBON(DIP)	CARBON 100Ω 1/4W	1	EA	R110S	DAE HO	수삽	

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multicharger TX	DATE	SHEET
		ASS'Y NAME	LOGIC ASS'Y		FREQUENCY	PLL	2009/6/11	3/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	Main		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
36	X-TAL	10MHz(49/S TYPE)	2	EA	Y101,Y103		수삽	
37	X-TAL	32.768KHz	1	EA	Y102		수삽	
38	BATTERY(LITHUM CELL)	CR2032(?)	1	EA	BATT1	PANASONIC	수삽	
39	POWER DC JACK	DC ADAPTOR JACK(2 phi)	1	EA	AJ101		수삽	
40	POWER DC JACK	DC ADAPTOR JACK(1.3 phi)	1	EA	AJ102		수삽	
41	CONNECTOR(USB PIN)	MINE 5 USB	1	EA	CON101			
42	CONNECTOR(HEAD 16PIN)	16PIN (5268-16PIN S/T)	1	EA	CON103		수삽	
43	CONNECTOR(HEAD 16PIN)	16PIN (5268-16PIN S/T)	1	EA	CON105		수삽	
44	CONNECTOR(HEAD 14PIN)	14PIN (5268-14PIN S/T)	1	EA	CON104		수삽	
45	CONNECTOR(HEAD 6PIN)	6PIN WAFER 5267-06P(S/T)	3	EA	CON102,CON106,CON107	창우전자	수삽	
46	CONNECTOR(HEAD 8PIN)	2400-DD3.5-08P	0	EA	CON108(NC)	우리전자산업	수삽	
47	BUZZER	SM-1205C	1	EA	BZ101	세일반도체	수삽	
48	HEAT SINK		2	EA		동진 ELC	수삽	
49	BOLT		2	EA		동진 ELC	수삽	
50	NUT		2	EA		동진 ELC	수삽	

PART LIST	PROJECT	TRANSMITTER	MODEL NAME	Multicharger TX	DATE	SHEET
	ASS'Y NAME	LOGIC ASS'Y	FREQUENCY	PLL	2009/6/11	1/3
	관리 번호	LTKT-PL-MCT-01	특이 사항	Main		

*Multicharger TX IQ/G3/Slim에서 connector con105와 con106을 제외한 모든 connector는 삽입한다.
 (con5는 IQ만 삽입, con106은 Slim만 삽입, G3는 con106 삽입 과 con105(16Pin)에 6Pin connector를 정방향에서 우측방향으로 삽입한다.)
 *이번 작업에서 RX부분은 제외됩니다.(EC110, con108, C126,D107,D108,D109,R120,R122는 제외NC 처리합니다)

NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK
1	PCB	2-LEAYER 1.6T	1	EA	LTKTC-MCT-2009T_REV1.2 090603	jandcircuit	
2	IC CPU	PIC18F8722-1/PT	1	EA	U101	MICROCHIP	
3	IC CPU	PIC18F4620	1	EA	U104	MICROCHIP	
4	IC CPU	CP2102	1	EA	U105	SiLab	
5	IC EEPROM	24LC02B	1	EA	U102	MICROCHIP	
6	IC CLOCK	DS1302S	1	EA	U103	DALLAS	
7	REGULATOR	MC7805CT	2	EA	U108, U107	MOTOROLA	수삽
8	REGULATOR	S7805D(SMD type)	1	EA	U106	KEC	
9	TR	KTN2907AS(SOT-23)	1	EA	Q103	KEC	
10	TR	KRC114	4	EA	Q101, Q102, Q104, Q105	KEC	
11	CHIP DIODE	MA111	4	EA	D110, D111, D112, D113		
12	CHIP DIODE	1SR-154-400	6	EA	D101,D102,D103,D104,D105,D106 D107(NC),D108(NC),D109(NC)	서울 반도체	
13	DIODE LED	RED COLOR(L-C191KRCT)	1	EA	LED101		
14	CAP ELECTRIC 220uF/25V	220uF/25V	3	EA	EC101, EC103, EC105	SAM YOUNG	수삽
15	CAP ELECTRIC 470uF/10V	470uF/10V	4	EA	EC102, EC104, EC106, EC107	SAM YOUNG	수삽
16	CAP TANTAL 1uF/6V	ECSTOGY105R	1	EA	EC112	AVX(ELMA)	
17	CAP TANTAL 10uF/6V	ECSTOGY106R	3	EA	EC108, EC109, EC111	AVX(ELMA)	
18	CAP TANTAL 22uF/6V	ECSTOGY226R	0	EA	EC110(NC)	AVX(ELMA)	
19	COIL BEAD	BEAD 3550	4	EA	BLF101,BLF102,BLF103,BLF104	세일반도체	수삽

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multicharger TX	DATE	SHEET
		ASS'Y NAME	LOGIC ASS'Y		FREQUENCY	PLL	2009/6/11	2/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	Main		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
20	CAP CHIP 12pF	GRM1885C1H120JA01D	2	EA	C117,C118	MURATA		
21	CAP CHIP 27pF	GRM1885C1H270JA01D	2	EA	C110,C122	MURATA		
22	CAP CHIP 33pF	GRM1885C1H330JA01D	2	EA	C123,C111	MURATA		
23	CAP CHIP 100pF	GRM1885C1H101JA01D	1	EA	C119	MURATA		
24	CAP CHIP 0.1uF	GRM188R71H104KA01D	18	EA	C101,C102,C103,C104,C105,C106 C107,C109,C112,C113,C114,C115 C116,C121,C124,C127,C128,C129	MURATA		
25	CAP CHIP 1uF	GRM188R71H105KA01D	3	EA	C108,C120,C125,C126(NC)	MURATA		
26	RES CHIP 470Ω	MCR03EZHX471	5	EA	R105,R106,R107,R108,R119	ROHM		
27	RES CHIP 1KΩ	MCR03EZHX102	11	EA	R101,R103,R104,R109,R117,R118 R124,R142,R143,R144,R145	ROHM		
28	RES CHIP 4.7KΩ	MCR03EZHX472	1	EA	R123	ROHM		
29	RES CHIP 10KΩ	MCR03EZHX103	5	EA	R111,R114,R115,R122,R162	ROHM		
30	RES CHIP 22KΩ	MCR03EZHX223	1	EA	R112	ROHM		
31	RES CHIP 68KΩ	MCR03EZHX683	1	EA	R113	ROHM		
32	RES CHIP 100KΩ	MCR03EZHX104	2	EA	R121,R125	ROHM		
33	RES CHIP 1MΩ	MCR03EZHX105	2	EA	R102,R116	ROHM		
34	RES CARBON(DIP)	CARBON 39Ω 1/2W	1	EA	R110	DAE HO	수삽	
35	RES CARBON(DIP)	CARBON 100Ω 1/4W	1	EA	R110S	DAE HO	수삽	

PART LIST		PROJECT	TRANSMITTER		MODEL NAME	Multicharger TX	DATE	SHEET
		ASS'Y NAME	LOGIC ASS'Y		FREQUENCY	PLL	2009/6/11	3/3
		관리 번호	LTKT-PL-MCT-01		특이 사항	Main		
NO.	PARTS DESCRIPTION	PART NUMBER	Q'TY	UM	LOCATION NO.	VENDOR NAME	REMARK	
36	X-TAL	10MHz(49/S TYPE)	2	EA	Y101,Y103		수삽	
37	X-TAL	32.768KHz	1	EA	Y102		수삽	
38	BATTERY(LITHUM CELL)	CR2032(?)	1	EA	BATT1	PANASONIC	수삽	
39	POWER DC JACK	DC ADAPTOR JACK(2 phi)	1	EA	AJ101		수삽	
40	POWER DC JACK	DC ADAPTOR JACK(1.3 phi)	1	EA	AJ102		수삽	
41	CONNECTOR(USB PIN)	MINE 5 USB	1	EA	CON101			
42	CONNECTOR(HEAD 16PIN)	16PIN (5268-16PIN S/T)	1	EA	CON103		수삽	
43	CONNECTOR(HEAD 16PIN)	16PIN (5268-16PIN S/T)	1	EA	CON105		수삽	
44	CONNECTOR(HEAD 14PIN)	14PIN (5268-14PIN S/T)	1	EA	CON104		수삽	
45	CONNECTOR(HEAD 6PIN)	6PIN WAFER 5267-06P(S/T)	3	EA	CON102,CON106,CON107	창우전자	수삽	
46	CONNECTOR(HEAD 8PIN)	2400-DD3.5-08P	0	EA	CON108(NC)	우리전자산업	수삽	
47	BUZZER	SM-1205C	1	EA	BZ101	세일반도체	수삽	
48	HEAT SINK		2	EA		동진 ELC	수삽	
49	BOLT		2	EA		동진 ELC	수삽	
50	NUT		2	EA		동진 ELC	수삽	
