

본 자료는 (주)유니온커뮤니티의 기술자산으로서 허가없이 복사 및 활용을 금합니다.(대외비)

Parts List

제 품 명 : 키드인식 출입통제기

모 델 명 : LACT10-S

종 매 수 : 10매 [포장포함]

H/W Version : Ver 1.6

F/W Version :

Sub F/W Version : Ver 22 [PIC12F675]

PCB Ver : Main Ver1.6, KeyPad Ver1.0

(주)유니온커뮤니티
기술연구소
2009. 10. 20.

구분	담당	검토	승인
구분			
구분	10월 20일	10월 20일	10월 22일

구분	회로담당	기구담당	승인
구분			
구분			

대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고
---	---	----	-----------------------	----------	----------------	------------------	---------	----	----	---------	-------	--------------	-----------	------	----

LACT10- S Main Board Assembly

Main Board SMD Assembly Parts

PCB															
1	**	Main PCB	PCB AC1000 Main FR4 6L 1.0T GR 126x73.8(142x149.5) Gold		PS700MA01 V1.6			1	EA			스카이			
IC															
2	U1		IC CPU 32bit RISC ARM9 200MHz		S3C2410A20- YO80	272FBGA		1	EA			SAMSUNG			
3	U51		IC NOR Flash 2MB 16bit 48TSOP		JS28F160C3BD- 70			1	EA			INTEL			
4	U52		IC SDRAM 8MB 32bit 86TSOP2		MT48LC2M32B2- 6 K4S643232H- UC60			1	EA			MICRON Samsung			
5	U304		IC Logic Hex Inverter TSSOP14 3.3V		74LVC14APW 74LC(V)X14MTCX			1	EA			Philips FAIRCHILD			
6	U120		IC RS485 Transceiver SOIC 8		SN75176BDR	SOIC8 (SMD)		1	EA			TI			
7	U252		IC Logic Octal Buffer 3state TSSOP20		74HC244PW 74HC244MTCX			1	EA			Philips FAIRCHILD			
8	U151,U251		IC Logic Octal Bus Transceiver TSSOP20		74HC245PW 74HC245MTCX			2	EA			Philips FAIRCHILD			
9	U101,U113,U154		IC Logic Octal Bus 5V IN/OUT Tolerant Transceiver TSSOP20		74LVC245APW 74LCX245MTCX_NL			3	EA			Philips FAIRCHILD			
10	U205		IC Regulator Linear 12V 150mA SOT89		KIA78L12F- RTF/P			1	EA			KEC FAIRCHILD			
11	U206		IC Regulator Linear 1.8V 500mA SO08		MIC5209- 1.8YM TR			1	EA			MICREL			
12	U152		IC Voice OTP 8Mbit SOP28 300mil V1.3		AP89341 KKEJCIASVTP 국/영/일/중/이태리/아랍/스페인/베트남/태국/폴란드	SOP28		1	EA			APLUS			
13	U202		IC Regulator Linear 3.3V 1A SOT223		LM1117MPX- 3.3 NCP1117ST33T3G			1	EA			NATIONAL ONSEMI			
14	U201		IC Regulator Switching 5.0V 1A TO263- 5L		LM2575SX- 5.0 LM2575- 5.0BU			1	EA			NATIONAL MICREL			
15	U112		IC RS232 Transceiver TSSOP16		SP3232EEY- L/TR MAX3232ECAC			1	EA			SIPEX MAXIM			
16	U2		IC Reset 3.3V 140ms SOT23- 5 Watch- dog Active Low		DS1819AR- 10+T&R			1	EA			MAXIM			
17	U122		IC RTC Timer SMD16		RTC4513			1	EA			EPSON			
18	U153		IC Audio Amp 1W 8ohm SOP08		TDA8541T/N1			1	EA			Philips			
19	U155,U156,U157,U158		IC PhotoCoupler		TLP181			4	EA			TOSHIBA			
20	U301		IC Ethernet Controller 10Mbps TQFP100		CS8900A- CQ3Z			1	EA			Cirrus Logic			
21	U303		IC Logic Quad 2- Input OR Gate SO14 3.3V		74LVC32AD 74LC(V)X32MX			1	EA			Philips FAIRCHILD			
22	U123,U159		IC Logic Level shifter 2bit dual Suply transceiver SSOP08		SN74LVC2T45DCTR			2	EA			TI			
Transistor															
23	Q101,Q102,Q151,Q152,Q160,Q161		TR NPN Transistor Ic600mA Vcb75V SOT23		KTN2222AS- RTK/P KST2222A MMBT2222AL			6	EA			KEC FAIRCHILD ONSEMI			
Diode & LED															
24	DZ1,DZ2		Diode Zener 6.2V 500mW LL- 34		ZMM55C6V2 RLZ6.2B TZMC6V2- GS08	MiniMelf (SOD- 80C)		2	EA			DEC ROHM VISHAY			
25	D301,D302		CHIP LED (Y/G) (1608)		LTST- C190GKT	1608SMD		2	EA			LITEON			
26	D151~ D154		Diode Rectify 1A 35V DO- 214AC(SMA)		S1M (M4) S1A			4	EA			DEC Vishay			
27	DS141,DS142		Diode Schottky 0.5A 30V SOD- 123		BAT43W- 7- F BAT42W	SOD- 123		2	EA			DIODES VISHAY			

(주)유니온커뮤니티		계 품 명		카드인식 출입통계기				Parts List				문서번호		URH-PL-LACT10-S-V11		
		모 델 명										날짜		2009. 10. 20.		
		적 용 식 기										Page		Total 10 pages		
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/ Vendor	담당 자/ 연락처	RoHS	비고	
		28	DS201		Diode Schottky Rectifiers 3A 40V DO- 214AB(SMC)	SS34 SK34		1	EA			Fairchild DEC				
		29	TD120,TD121		Diode TVS Transient 10V 600W SMB Case 403A Unidirection	1SMB10CAT3G	Case 403C	2	EA			ONSEMI				
		30	DZ120		Diode Zenor Dual 6.8V Com- Anode SOT23	AZ23C6V8- V		1	EA			VISHAY				
Chip Ceramic Capacitor																
		31	C1,C2		MLCC 1608 5pF(C) 50V	CL10C050CB8ANNC GRM1880G1H050C 0603N050C500LT	1608SMD	2	EA			SAMSUNG MURATA WALSIN				
		32	C3,C4		MLCC 1608 15pF(F) NPO 50V	500R14N150FV4T	1608SMD	2	EA			JOHANSON				
		33	C5,C6		MLCC 1608 22pF(F) NPO 50V	500R14N220FV4T	1608SMD	2	EA			JOHANSON				
		34	C51~ C54,C57~ C60		MLCC 1608 47pF(J) 50V	CL10C470JB8NNNC GRM1880G1H470J 0603N470J500LT	1608SMD	8	EA			SAMSUNG MURATA WALSIN				
		35	C55		MLCC 1608 62pF (J) NPO	C0603JRNPO9BN620	1608SMD	1	EA			Phycomp				
		36	C101,C102,C104,C105		MLCC 1608 100pF(J) 50V	CL10C101JB8NNNC GRM1880G1H101J 0603N101J500LT	1608SMD	4	EA			SAMSUNG MURATA WALSIN				
		37	C220		MLCC 1608 470pF(J) 50V	CL10C471JB8NNNC GRM1880G1H471J 0603N471J500LT	1608SMD	1	EA			SAMSUNG MURATA WALSIN				
		38	C301		MLCC 1608 68pF(F) NPO 50V	500R14N680FV4T	1608SMD	1	EA			JOHANSON				
		39	C120,C121,C152		MLCC 1608 1nF(K) 50V	CL10B102KB8NNNC GRM188R71H102K 0603B102K500LT	1608SMD	3	EA			SAMSUNG MURATA WALSIN				
		40	C56		MLCC 1608 0.01uF(K) 50V	CL10B103KB8NNNC GRM188R71H103K 0603B103K500LT	1608SMD	1	EA			SAMSUNG MURATA WALSIN				
		41	DC1~ DC22,DC24,DC51~ DC 57,DC101~ DC103,DC120~ DC124,DC129~ DC130,DC1		MLCC 1608 0.1uF(Z) 50V	CL10F104ZB8NNNC GRM188F51H104Z 0603F104Z500CT	1608SMD	63	EA			SAMSUNG MURATA WALSIN				
		42	C151		MLCC 1608 0.47uF(Z) 16V	CL10F474Z08NNNC GRM188F51C474Z 0603F474Z016LT	1608SMD	1	EA			SAMSUNG MURATA WALSIN				
		43	DC156,DC157,DC170,DC17 1~ DC173,DC201,DC202,DC 220,DC221,RV302		MLCC 2012 0.1uF(Z) 50V	CL21F104ZBC(A)NNNC GRM218F51H104Z 0805F104Z500LT	2012SMD	11	EA			SAMSUNG MURATA WALSIN				
		44	TC152		MLCC 2012 1uF(K) 16V	CL21B105KOFNNNC GRM218R71C105K 0805B105K016LT	2012SMD	1	EA			SAMSUNG MURATA WALSIN				
Electrolytic Capacitor																
		45	EC220		E- CAP 10uF/50V(5*5.5)	50SEV10M5X5.5 MVG50WV10E56TP	SMD	1	EA			Rubycon 삼영전자				
		46	EC201,EC202,EC221		E- CAP 47uF/50V(8*6.3)	50SEV47M8X6.3 MVG50VC47M63TP	SMD	3	EA			Rubycon 삼영전자				
Tantalum Capacitor																
		47	TC220		TANTAL 1uF/35V A 3216	TAJA105M035RNJ 293D105X0035A2TER TCSCS1V105MAAR		1	EA			AVX VISHAY 삼성전기				
		48	TC222		TANTAL 2.2uF/35V B 3528	TAJB225M035RNJ 293D225X0035B2TER TCSCS1V225MBAR		1	EA			AVX VISHAY 삼성전기				
		49	TC210,TC211		TANTAL 10uF/16V A 3216	TAJA106M(K)016RNJ 293D106X0016A2TER TCSCS1C106M(K)AAR		2	EA			AVX VISHAY 삼성전기				
		50	TC120,TC140,TC221		TANTAL 10uF/16V B 3528	TAJB106M(K)016RNJ 293D106X0016B2TER TCSCS1C106M(K)BAR		3	EA			AVX VISHAY 삼성전기				

(주)유니온커뮤니티		계 품 명		카드인식 출입용기기				Parts List				문서번호		URH-PL-LACT10-S-V11		
		모 델 명		LACT10-S								날짜		2009. 10. 20.		
		적 용 식 기		즉시 적용								Page		Total 10 pages		
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고	
		51	TC121, TC151, TC158, TC251, TC252, TC202		TANTAL 22uF/16V B 3528	TAJB226M(K)016RNJ 293D226X0016B2TER TCSCS1C226M(K)BAR		6	EA			AVX VISHAY 삼성전기				
		52	TC1, TC2, TC51, TC52, TC301		TANTAL 47uF/10V B 3528	TAJB476M(K)010RNJ 293D476X0010B2TER TCSCS1A476M(K)BAR		5	EA			AVX VISHAY 삼성전기				
		53	TC154		TANTAL 47uF/16V C 6032	TAJC476M(K)016RNJ 293D476X0016C2TER TCSCS1C476M(K)CAR		1	EA			AVX VISHAY 삼성전기				
		54	TC155, TC157		TANTAL 100uF/16V D 7343	TAJD107M(K)016RNJ 293D106X0016D2TER TCSCS1C107M(K)DAR		2	EA			AVX VISHAY 삼성전기				
		55	TC201, TC203		TANTAL 220uF/16V E 7343	TAJE227M(K)016RNJ 293D227X0016E2TER TCSCS1C227(K)MEAR		2	EA			AVX VISHAY 삼성전기				
Chip Varistor																
		56	SV101, SV102, SV104, SV105, SV120~ SV124		VARISTER Signal Line 27V	EZJZ1V270GA	1608SMD	9	EA			PANASONIC CERATECH				
		57	PV101, PV151~ PV159, RV301		VARISTER Power Line 26V	VN20- 260L- 751JT EZJS2YC822Z	2012SMD	11	EA			CERATECH PANASONIC				
Chip Resistor																
		58	R125		Resistor 1608 5% 0Ω	RC1608J000CS MCR03EZPJ000 WR06X000PTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				
		59	R303, R304		Resistor 1608 1% 24.3Ω	RC1608F24R3CS MCR03EZPF24R3 WR06X24R3FTL	1608SMD	2	EA			삼성전기 ROHM WALSIN				
		60	R314, R320~ R335		Resistor 1608 5% 33Ω	RC1608J330CS MCR03EZPJ330 WR06X330JTL	1608SMD	17	EA			삼성전기 ROHM WALSIN				
		61	R53~ R56		Resistor 1608 5% 47Ω	RC1608J470CS MCR03EZPJ470 WR06X470JTL	1608SMD	3	EA			삼성전기 ROHM WALSIN				
		62	R302		Resistor 1608 1% 100Ω	RC1608F101CS MCR03EZPF101 WR06X101FTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				
		63	R24~ R29		Resistor 1608 5% 100Ω	RC1608J101CS MCR03EZPJ101 WR06X101JTL	1608SMD	6	EA			삼성전기 ROHM WALSIN				
		64	R109, R110		Resistor 1608 5% 330Ω	RC1608J331CS MCR03EZPJ331 WR06X331JTL	1608SMD	2	EA			삼성전기 ROHM WALSIN				
		65	R141		Resistor 1608 5% 470Ω	RC1608J471CS MCR03EZPJ471 WR06X471JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				
		66	R32, R160, R196		Resistor 1608 5% 390Ω	RC1608J391CS MCR03EZPJ391 WR06X391JTL	1608SMD	3	EA			삼성전기 ROHM WALSIN				
		67	R107, R108, R135, R165, R167, R307, R308, R260~ R267		Resistor 1608 5% 1KΩ	RC1608J102CS MCR03EZPJ102 WR06X102JTL	1608SMD	15	EA			삼성전기 ROHM WALSIN				
		68	R133, R134		Resistor 1608 5% 2KΩ	RC1608J202CS MCR03EZPJ202 WR06X202JTL	1608SMD	2	EA			삼성전기 ROHM WALSIN				
		69	R15, R16, R21~ R23, R162, R178, R180		Resistor 1608 5% 4.7KΩ	RC1608J472CS MCR03EZPJ472 WR06X472JTL	1608SMD	8	EA			삼성전기 ROHM WALSIN				
		70	R305		Resistor 1608 1% 4.99KΩ	RC1608F4991CS MCR03EZPF4991 WR06X4991FTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				

(주)유니온커뮤니티		계 품 명		카드인식 출입통계기				Parts List				문서번호		URH-PL-LACT10-S-V11		
		모 델 명		LACT10-S								날짜		2009. 10. 20.		
		적 용 식 기		즉시 적용								Page		Total 10 pages		
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고	
		71	R2, R3, R5~ R14, R31, R34, R36, R38, R52, R101, R102, R126~ R131, R138, R140, R142, R151~ R157, R163, R175~ R177, R185~ R188, R195, R197, R198, R199, R301, R306, R309, R311~ R313, R315, R316		Resistor 1608 5% 10K Ω	RC1608J103CS MCR03EZPJ103 WR06X103JTL	1608SMD	55	EA			삼성전기 ROHM WALSIN				
		72	R158		Resistor 1608 5% 12K Ω	RC1608J123CS MCR03EZPJ123 WR06X123JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				
		73	R132, R166, R168, R179, R181, R310		Resistor 1608 5% 47K Ω	RC1608J473CS MCR03EZPJ473 WR06X473JTL	1608SMD	6	EA			삼성전기 ROHM WALSIN				
		74	R1, R39~ R41, R104, R105, R159		Resistor 1608 5% 100K Ω	RC1608J104CS MCR03EZPJ104 WR06X104JTL	1608SMD	7	EA			삼성전기 ROHM WALSIN				
		75	R30		Resistor 1608 5% 1M Ω	RC1608J105CS MCR03EZPJ105 WR06X105JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN				
		76	R183		Resistor 2012 5% 56Ω	RC2012J560CS MCR10EZPJ560 WR08X560JTL	2012SMD	1	EA			삼성전기 ROHM WALSIN				
		77	R189~ R192		Resistor 2012 5% 2.4KΩ	RC2012J242CS MCR10EZPJ242 WR08X242JTL	2012SMD	4	EA			삼성전기 ROHM WALSIN				
		78	R184		Resistor 2012 5% 0Ω	RC2012J000CS MCR10EZPJ000 WR08X000PTL	2012SMD	1	EA			삼성전기 ROHM WALSIN				
		79	R182		Resistor 2012 5% 10Ω	RC2012J100CS MCR10EZPJ100 WR08X100JTL	2012SMD	1	EA			삼성전기 ROHM WALSIN				
		80	RN51~ RN61		Resistor Array 3216 5% 47Ω	RP164PJ470CS MLR14EOABJ470 WA06X470JT	3216MD	11	EA			삼성전기 ROHM WALSIN				
Inductor																
		81	LB102~ LB105, LB120~ LB123		Coil Ferrite Bead 1608 30 Ω	HB- 1S1608- 300JT CIM10P300NE	1608SMD	8	EA			CERATECH 삼성전기				
		82	LB101, LB106, LB124, LB125, LB151, LB160, LB161		Coil Ferrite Bead 2012 300Ω	HH- 1M2012- 301JT CIC21J301NE	2012SMD	7	EA			CERATECH 삼성전기				
		83	L120		Coil Transformer	MGPWC- 00062 (C9711L)		1	EA			Tyco				
		84	L203		Coil Power Inductor 330uH 12x12x5mm	SC1260S- 331M CDRH125- 331M PCRH125- 331M SFCB125- 331M	SMD	1	EA			광성전자 SUMIDA STAR 상화				
		85	L207		Filter Common Mode 200mA 600 Ω	ACM3225- 601- 2P- T	SMD	1	EA			TDK				
Tranformer																
		86	U302		IC Ethernet Transformer	TG41- 2006NTR(NRLTR)	SMD	1	EA			HALO				
Potentiometer																
		87	RV151		Potentionmeter 100K Ω	G32BTB104M	SMD	1	EA			Tocos				
Crystal																
		88	X1		Crystal 12MHz 18pF~ 22pF SX1	12MHz	SX1	1	EA			Sunny				
		89	Y301		Crystal 20MHz SX1 (온도SPEC 주의)	20MHz	SX1	1	EA			Sunny				
Switch																
		90	SW2		SW SMD Slide 6pole 1.27mm pitch	KHS- 62C (PB FREE)	SMD	1	EA			OTAX				
Connector																

(주)유니온커뮤니티		계 품 명		Parts List				문서번호		URH-PL-LACT10-S-V11					
		모 델 명						날짜		2009. 10. 20.					
		적 용 식 기						Page		Total 10 pages					
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단위	U.Price	Price	Maker/Vendor	담당자/연락처	RoHS	비고
		91	J152		Con Wafer 2pin 1.25mm pitch Angle SMD	53261- 0271		1	EA			MOLEX			
		92	J251		Con Wafer 40pin 0.5mm pitch (Top Connection)	05004HR- 40A01S(G)	SMD	1	EA			연호전자			
		Fuse													
		93	F201		FUSE 154 003 DR 125V 3A (FUSE+HOLDER)	0154 003. DR	SMD	1	EA			Littel Fuse			
		SUB Total		Main Board SMD Assembly				373							
Main Board Manual Assembly Parts															
		TNR													
		94	TNR201		TNR 470V 0.1W 7PHI	TNR7V471K		1	EA			MARCON NIPPON CHEMI			
		95	TNR202		TNR 39V 7PHI	TNR7V390K		1	EA			MARCON NIPPON CHEMI			
		Photo Interrupter													
		96	U160		IC Photo Interrupter	SG- 215		1	EA			KODENSHI			
		Crystal													
		97	X2		Crystal 32.768KHz Tuning Fork 12.5pF	32.768KHz		1	EA			CITIZEN SUNNY/KSE			
		Battery													
		98	BAT140		Bat Coin 220mA 3V Horizontal pin Type	CR2032 TH22 (폭 :16mm, 높이 : 5mm)		1	EA			TADEO NEWSUN			
		Buzzer													
		99	BZ151		Buzzer 12phix5.5mm Height	ALP- 505 JRT- 505BP		1	EA			ALP(금정전자) 이레전자			
		Relay													
		100	K151,K152		Relay Signal 2A 5V/28.1mA 15x7.5x9.4	G6S- 2 DC5V		2	EA			OMRON			
		Switch													
		101	SW101,SW102,SW151- SW154		SW Slide Mini	BSI- 10		6	EA			성문전자			
		Connector													
		102	J101,J102,J121,J201		Con Wafer 3P 2mm Angle Dip	53015- 0310		4	EA			MOLEX			
		103	J120,J301		Con Wafer 4P 2mm Angle Dip	53015- 0410		2	EA			MOLEX			
		104	J151		Con Wafer 8P 2mm Angle Dip	53015- 0810		1	EA			MOLEX			
		SUB Total		Main Board Manual Assembly				21							
LACT10- S KeyPad Board Assembly															
Keypad Board SMD Assembly Parts															
		PCB													
		105	** Key Board		PCB AC1000RF V1.5 KeyPad FR4 4L 1.2T GR 131x79.8(163.5x146.9) Gold	PS700KP01 V1.5		1	EA			스카이			
		IC													
		106	U359		IC Micom 8bit RISC TQFP44	ATMEGA32L- 8AU		1	EA			ATMEL			
		107	U357		IC RF Smart Card Controller A	MFRC50001T/0FE		1	EA			Philips			
		108	U358		IC RS232 Transceiver TSSOP16	SP3232EEY- L/ TR MAX3232ECAC		1	EA			SIPEX MAXIM			
		Transistor													
		109	Q352		TR PNP Power Switching Transistor Ic1A SOT89	KTB1260- Y- RTF/P	SOT- 89	1	EA			KEC			

(주)유니온커뮤니티		계 품 명		Parts List				문서번호		URH-PL-LACT10-S-V11					
		모 델 명						날짜		2009. 10. 20.					
		적 용 시 기						Page		Total 10 pages					
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/ Vendor	담당 자/ 연락처	RoHS	비고
		110	Q351		TR NPN Switching Transistor SOT23	KST3904- MTF MMBT3904 2N3904S- RTK- P		1	EA			FAIRCHILD ONSEMI KEC			
		111	FQ351		TR MOSFET P- Channel 0.35ohm 1A SOT23	ZXM61P03FTA		1	EA			ZETEX			
Diode & LED															
		112	LD353~ LD360		CHIP LED WHITE_Yellow (1608)	MSC- W684- Z	1608SMD	8	EA			태승반도체			
		113	LD364,LD365		CHIP LED G (Green)2012	LTST- C170GKT BL- HG035A- AV- TR SML- 210MT	2012SMD	2	EA			LITEON Bright ROHM			
		114	DZ351~ DZ374		Diode Zener 6.2V 500mW LL- 34	ZMM55C6V2 RLZ6.2B TZMC6V2- GS08	MiniMelf (SOD- 80C)	24	EA			DEC ROHM VISHAY			
		115	D353		Diode Switching 150mA MiniMelf(SOD- 80C)	LL4148	MiniMelf (SOD- 80C)	1	EA			DEC/ROHM General semi Vishay			
Chip Ceramic Capacitor															
		116	C390,C391,C436		MLCC 1608 15pF(F) NPO 50V	500R14N150FV4T	1608SMD	3	EA			JOHANSON			
		117	C430,C431		MLCC 1608 22pF (J) NPO	C0603JRNPO9BN220	1608SMD	2	EA			Phycomp			
		118	C388,C389		MLCC 1608 20pF(F) NPO 50V	500R14N200FV4T	1608SMD	2	EA			JOHANSON			
		119	C439,C441~ C443		MLCC 1608 100pF(J) 50V	CL10C101JB8NNNC GRM1880G1H101J 0603N101J500LT	1608SMD	4	EA			SAMSUNG MURATA WALSIN			
		120	C432,C438		MLCC 1608 68pF(F) NPO 50V	500R14N680FV4T	1608SMD	2	EA			JOHANSON			
		121	C428,C429		MLCC 1608 180pF(F) NPO 50V	500R14N181FV4T	1608SMD	2	EA			JOHANSON			
		122	C400,C440,C444		MLCC 1608 0.01uF(K) 50V	CL10B103KB8NNNC GRM188R71H103K 0603B103K500CT	1608SMD	3	EA			SAMSUNG MURATA WALSIN			
		123	DC357,C373,DC380- DC383 _DC386- DC388,DC392,DC3 77~ DC379,DC384,DC385		MLCC 1608 0.1uF(Z) 50V	CL10F104ZB8NNNC GRM188F51H104Z 0603F104Z500CT	1608SMD	15	EA			SAMSUNG MURATA WALSIN			
		124	C363- C366,C368- C372		MLCC 1608 1uF(Z) 16V	CL10F105Z08NNNC GRM188F51C105Z 0603F105Z016LT	1608SMD	9	EA			SAMSUNG MURATA WALSIN			
Tantalum Capacitor															
		125	EC353		TANTAL 1uF/35V A 3216	TAJA105M035RNJ 293D105X0035A2TER TCSCS1V105MAAR	3216SMD	1	EA			AVX VISHAY 삼성전기			
		126	TC357		TANTAL 10uF/16V B 3528	TAJB106M(K)016RNJ 293D106X0016B2TER TCSCS1C106M(K)BAR	3528SMD	1	EA			AVX VISHAY 삼성전기			
		127	TC358,TC359		TANTAL 22uF/16V B 3528	TAJB226M(K)016RNJ 293D226X0016B2TER TCSCS1C226M(K)BAR	3528SMD	2	EA			AVX VISHAY 삼성전기			
Chip Varistor															
		128	SV355,SV356		VARISTER Signal Line 27V	EZJZ1V270GA	1608SMD	2	EA			PANASONIC CERATECH			
Chip Resistor															
		129	R401		Resistor 1608 5% 0Ω	RC1608J000CS MCR03EZPJ000 WR06X000PTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			

(주)유니온커뮤니티		계 품 명		카드인식 출입용기기				문서번호		URH-PL-LACT10-S-V11					
		모 델 명		LACT10-S				날짜		2009. 10. 20.					
		적 용 식 기		즉시 적용				Page		Total 10 pages					
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고
		130	R409,R410		Resistor 1608 5% 330Ω	RC1608J331CS MCR03EZPJ331 WR06X331JTL	1608SMD	2	EA			삼성전기 ROHM WALSIN			
		131	R352,R353,R358~ R362, R369~ R371		Resistor 1608 5% 470Ω	RC1608J471CS MCR03EZPJ471 WR06X471JTL	1608SMD	10	EA			삼성전기 ROHM WALSIN			
		132	R411		Resistor 1608 5% 820Ω	RC1608J821CS MCR03EZPJ821 WR06X821JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			
		133	R351		Resistor 1608 5% 1KΩ	RC1608J102CS MCR03EZPJ102 WR06X102JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			
		134	R412		Resistor 1608 5% 3.6KΩ	RC1608J362CS MCR03EZPJ362 WR06X362JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			
		135	R406		Resistor 1608 5% 4.7KΩ	RC1608J472CS MCR03EZPJ472 WR06X472JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			
		136	R354,R365,R377,R380,R381 ,R393~ R397		Resistor 1608 5% 10KΩ	RC1608J103CS MCR03EZPJ103 WR06X103JTL	1608SMD	10	EA			삼성전기 ROHM WALSIN			
		137	R355		Resistor 1608 5% 47KΩ	RC1608J473CS MCR03EZPJ473 WR06X473JTL	1608SMD	1	EA			삼성전기 ROHM WALSIN			
		138	R367,R368,R407,R408		Resistor 1608 5% 100KΩ	RC1608J104CS MCR03EZPJ104 WR06X104JTL	1608SMD	4	EA			삼성전기 ROHM WALSIN			
		139	LB362,L357,R451,R452		Resistor 2012 5% 0Ω	RC2012J000CS MCR10EZPJ000 WR08X000PTL	2012SMD	4	EA			삼성전기 ROHM WALSIN			
		140	R450		Resistor 3216 5% 0Ω	RC3216J000CS MCR18EZPJ000 WR12X000JTL	3216SMD	1	EA			삼성전기 ROHM WALSIN			
Inductor															
		141	LB370,LB371		Coil Ferrite Bead 1608 30Ω	HB- 1S1608- 300JT CIM10P300NE	1608SMD	2	EA			CERATECH 삼성전기			
		142	LB360,LB361,LB363		Coil Ferrite Bead 2012 300Ω	HH- 1M2012- 301JT CIC21J301NE	2012SMD	3	EA			CERATECH 삼성전기			
		143	L355,L356		Coil Chip Inductor 1.8uH 5% 3225	ELJFA1R8JF NL322522T- 1R8	3225SMD	2	EA			PANASONIC TDK			
Crystal															
		144	X355		Crystal 8MHz SX1	Crystal 8MHz SX1	SX1	1	EA			Sunny			
		145	X356		Crystal 13.56MHz 18pF SBX- 18 5.0x3.2	13.56MHz	SBX- 18	1	EA			SB tron			
Connector															
		146	J351		Con Wafer 28pin 0.5mm pitch (Bottom Connection)	05003HR- 28A01S(G)	SMD	1	EA			연호전자			
		147	J352		Con Wafer 40pin 0.5mm pitch (Top Connection)	05004HR- 40A01S(G)	SMD	1	EA			연호전자			
		148	J358		Con Wafer 6pin 1.25mm pitch Straight SMD	53398- 0671	SMD	1	EA			MOLEX			
		149	J359		Con Wafer 7pin 1.25mm pitch Straight SMD	53398- 0771	SMD	1	EA			MOLEX			
SUB Total		keypad Board SMD Assembly				140 EA									
LACT10- S Total Assembly															
Total Assembly Parts															
LCD															
		150	** LCD		LCD AC- 1000 COG 128*64 White + FSTN	221- 3059- 0677		1	EA			ELEC & TECH			
Speaker															

(주)유니온커뮤니티		계 품 명		Parts List				문서번호		URH-PL-LACT10-S-V11						
		모 델 명						날짜		2009. 10. 20.						
		적 용 식 기						Page		Total 10 pages						
대	종	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고	
		151	** Speaker		Speaker 8Ω 8.3Φ 0.8W	SBD171342P- CW02		1	EA			삼부커뮤니티스				
Cable																
		152	** Lan Cable		Cable 2.0 4P 150mm LAN	CHH20- 04- 150- 01		1	EA			현광테크				
		153	** Power Cable		Cable 2.0 3P 170mm	CHH20- 03- 170- 01		1	EA			현광테크				
		154	** Main to Key Cable		Cable 0.5mm Pitch 40P 150mm _Flat Cable&Shield	CBB05- 40- 150- 02S		1	EA			현광테크				
		155	** Lock Cable		Cable 2.0 8P 170mm	CHH20- 08- 170- 01		1	EA			현광테크				
		156	** Wiegand In Cable		Cable 2.0 3P 200mm	CHC20- 03- 200- 01		1	EA			현광테크				
		157	** Wiegand Out Cable		Cable 2.0 3P 200mm	CHC20- 03- 200- 02		1	EA			현광테크				
		158	** RS485 Cable		Cable 2.0 3P 210mm	CHH20- 03- 210- 01		1	EA			현광테크				
		159	** RS232 Cable		Cable 2.0 4P 200mm	CHC20- 04- 200- 01		1	EA			현광테크				
		160	** Adapter Cable		Cable AC Power Input 220V용 3구(국내향)	KJP- 160 (1.8M) ST3(1.8M)		1	EA			국제통신				
		161	** Power Adapter		Adapter SMPS 12V 2.5A Housing SMH250- 03	JPW128KA1200F03		1	EA			브릿지 파워				
Ring Core																
		162	** Ring Core		Ferrite Ring Core	ZCAT1730- 0730A		1	EA			TDK				
		163	** Ring Core		Ferrite Ring Core	ZCAT3035- 1330		1	EA			TDK				
Packing Parts																
		164	** 포장 (커넥터)		Connector Housing 2.5mm Pitch 8Pin	SMH250- 08		1	EA			연호전자				
		165	** 포장 (커넥터)		Connector Terminal SMH250 Housing Matching	YST025		8	EA			연호전자				
Ferrite Sheet																
		166	** Ferrite Sheet		TAPE AC1000 Ferrite Sheet	14*30.4mm	ID- EC05	1	EA			두성 산업				
SUB Total								24 EA								
Grand Total								558 EA								
LACT10-S Mechanical Parts																
Mold																
		201	RF700290001A		COVER AC1000RF/SA Cover Top	RF700290001A	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		202	RF700290002A-1		COVER AC1000RF/SA Cover Bottom	RF700290002A-1	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		203	RF700260001B		COVER AC1000RF/SA DECO Top White(LG 인쇄)	RF700260001B	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		204	RF700240001A		COVER AC1000RF/SA Window Lcd	RF700240001A (TOP에 부착되어 입고됨)	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		205	RF700270001A		COVER AC1000RF/SA Button Function (Cutting side: Grinding)	RF700270001A	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		206	RF700270002A		COVER AC1000RF/SA Button Ten Key	RF700270002A	DD-09-19-01	1	EA			UV Hong kong	Matthew Zhou			
		207	RF700260002A		COVER AC1000RF/SA Deco Button	RF700260002A	DD-09-19-01	1	EA			국민정밀				
Press																
		208	1000330004A		COVER AC1000RF/SA 보조Bracket (신형)	RF1000330004A (2008년 4월부터)						국민정밀				
Rubber																
		209	RF700420001A		COVER AC1000RF/SA Rubber Function Key	SILICON 투명 / (RF700420001A)		1	EA			유성인택				

(주)유니온커뮤니티			계 품 명	카드인식 출입용기기	Parts List					문서번호	URH-PL-LACT10-S-V11			
			모 델 명	LACT10-S						날짜	2009. 10. 20.			
			적 용 식 기	즉시 적용						Page	Total 10 pages			
대 중	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고
	210	RF700420002A		COVER AC1000RF/SA Rubber Ten Key	SILICON 투명 / (RF700420002A)		1	EA			유성인텍			
	211	RF700520002A		COVER AC1000RF/SA O-RING	SILICON 투명 / (RF700520002A)		1	EA			유성인텍			
	Dome S/W													
	212	RF700510001A		COVER AC1000RF/SA DOME S/W Ten Key	RF700510001A		1	EA			휴먼텍			
	213	RF700510002A		COVER AC1000RF/SA DOME S/W Function Key	RF700510002A		1	EA			휴먼텍			
	214	RF700340001A		TAPE AC1000RF/SA SHEET DECO BUTTON	3M9495LE 137X35.8 / (RF700340001A)		1	EA			일신테크			
	Tape													
	215			TAPE AC1000SA 차폐제	ID-NEF01-0.5T-14-30		1	EA			두성산업			
	Sponge													
	216	** 고정용 Sponge		TAPE V-3000 Sponge Main PCB지자용	EVA 3T (10x10)		1	EA			일신테크			
	Screw													
	217			Screw Pan Head	PHT2 2X5 니켈		8	EA			전자볼트			
	218			Screw Pan Head	PHT2 2X3 니켈		2	EA			전자볼트			
	219			Screw Pan Head	PHM 3X3 니켈		4	EA			전자볼트			
	220			Screw L렌찌 육각 SCREW (SOCKET)	LHM6 3X6 니켈 (접시머리) SOCKET		1	EA			일신금속			
	221			Screw Ground Head	GHT1 4X25 니켈		4	EA			전자볼트			
	222			Screw L렌찌 육각 SCREW (SOCKET)	LHM6 3X6 니켈 (둥근머리) SOCKET		2	EA			일신금속			
	223			Screw L렌찌 육각 L자형	LHM8 3 니켈		1	EA			일신금속			
	Label													
	224			LABEL LACT10 NAME LABEL(국문)	은무지 32*22*1R	구매(프린터)	1	EA			유니온			
	225			LABEL LACT10 NAME LABEL(영문)	은무지 42*40*1R	구매(프린터)	1	EA			유니온			
	226			LABEL VER (FW + PIC + AVR) LABEL	유포지 20*8*2R	구매(프린터)	1	EA			유니온			
	227			LABEL VER (RF/SC) LABEL	유포지 20*8*2R	구매(프린터)	1	EA			유니온			
	228			LABEL AC-1000 GOOD DESIGN STICKER	출로그림(라미네이팅) 115*163	DD-08-008	1	EA			환영인쇄			
LACT10-S Mechanical Parts PACKING														
	Zipper bag													
	229			BAG Zipper Poly bag	70*80*0.1T		2	EA			대원종합상사			
	230			BAG PE LAME BAG	210*280*1T Recycle인쇄		1	EA			대원종합상사			
	Manual													
	231			MAUNAL LACT10 R/S (국문)	Ver 1.02 - KOR (AC-1000 Installation)		1	EA			화인종합인쇄			
	232			MAUNAL LACT10 R/S (영문)	Ver 1.02 - ENG (AC-1000 Installation)		1	EA			화인종합인쇄			
	233			MANUAL 설치매뉴얼 LACT10(국문)	LAFP10(국문)		1	EA			화인종합인쇄			
	234			MANUAL 설치매뉴얼 LACT10(영문)	LAFP10(영문)		1	EA			화인종합인쇄			

(주)유니온커뮤니티			계 품 명		카드인식 출입통계기		Parts List					문서번호		URH-PL-LACT10-S-V11		
			모 델 명		LACT10-S							날짜		2009. 10. 20.		
			적 용 식 기		즉시 적용							Page		Total 10 pages		
대	중	NO	부품번호[Reference Name]	Code No.	품명[Part Name]	규격[Part Number]	Package	수량	단 위	U.Price	Price	Maker/Vendor	담당 자/ 연락처	RoHS	비고	
			Box													
		235			BOX LACT10 R/S Carton	DW		0.1	EA			대일수출포장				
		236			BOX LACT10 R/S Gift	E콜		1	EA			대일수출포장				
		237			BOX LACT10 R/S Pad	E콜		1	EA			대일수출포장				
			CD													
		238			CD (A/S 포함) LACT10 R/S	S/W : Acserver V1.54RF		1	EA			JMN				
Grand Total			기구 Parts						51.1	EA						