

Application part		NAC-2500LM	NAC-2500LR	NAC-2500L	Model NAC - 2500L			Unit	mm			
					drawing name NAC - 2500L terminal			Scale	N/S			
					drawing No.			General Tolerance	±0.1			
NO	D	C	B	A	Part No	Symbol & Reference	part name	spec			Maker	
1		1	1	1	EA1-0050A		NAC-2500N MAIN ASS'Y	V0.5			PB-FREE	
4	2	1	1	1	EA1-0051A		NAC-2500N RELAY ASS'Y	V1.0			PB-FREE	
4		1	1	1				V1.1				
1	3	1	1	1	EA1-0052A		NAC-2500N NETWORK ASS'Y	V1.0 V1.2			PB-FREE PB-FREE	
	4	1	1	1	EA1-0043A		NAC-2500 KEYPAD ASS'Y	V1.0			PB-FREE	
	5	1			EA1-0056A		NAC-2500N ANT PCB ASS'Y	81 x 40 (V1.1)			PB-FREE	
	6	1	1	1	EA1-0045B		NAC-2500N LCD ASS'Y	GM123210SFSYBG-R2		DATA IMAGE	PB-FREE	
5	7	1	1	1	EA1-0046B		AUTO-ON SENSOR (P/F)	ADM07W		TOUCH-ON	PB-FREE	
5		1	1	1	EA1-0046C		AUTO-ON SENSOR (P/F)	ADM04N-W100N		TOUCH-ON	PB-FREE	
	8	1	1	1	EA2-0014C		OPTIC MODULE ASS'Y	OPP03N			PB-FREE	
7	9	1			EA3-0045A		MIFARE RF CABLE	3PIN 70mm			PB-FREE	
	10	1	1	1	EA3-0046A		OPP03 CABLE	OPTIC<->FIM			PB-FREE	
	11		1		EA5-0020A		RF CARD MODULE	NAC-2500		KEICO	PB-FREE	
	12		1		EA5-0010F		RF COIL	43 x 70 (NAC-2500)			PB-FREE	
	13	1			EA5-0020B		MIFARE RF CARD MODULE	NAC-2500		KEICO	PB-FREE	
	14	5	6	6	MS4-0003A		TAPPING SCREW	STEEL 2.3 x 8, (+)			PB-FREE	
	15	4	4	4	MS4-0005B		TAPPING SCREW	STEEL 3 x 10, (+)			PB-FREE	
	16	6	6	6	MS4-0007A		TAPPING SCREW	STEEL 2 x 6, (+)			PB-FREE	
	17	1			MS4-0008A		TAPPING SCREW	STEEL 2.5 x 12, (+)			PB-FREE	
	18	1	1	1	MS7-0039A		NAC-2500 FRONT CASE	ABS			PB-FREE	
	19	1	1	1	MS7-0040A		NAC-2500 MIDDLE CASE	ABS			PB-FREE	
	20	1	1	1	MS7-0041A		NAC-2500 REAR CASE	PC			PB-FREE	
	21	1	1	1	MS7-0042A		NAC-2500 KEYPAD	SILICONE RUBBER			PB-FREE	
	22	1	1	1	MS7-0043A		NAC-2500 FRONT WINDOW	82.77 x 33.27 ACRYLIC			PB-FREE	
	23	1	1	1	MS7-0044A		NAC-2500 LED WINDOW	9 x 58 ACRYLIC			PB-FREE	
	24	1	1	1	MS7-0045A		NAC-2500 LCD COVER	74 x 38.5 ACRYLIC			PB-FREE	
	25	4	4	4	MS7-0046B		NAC-2500 PCB SPACER	9 x 8T			PB-FREE	
	26	1			MS7-0047A		NAC-2500 PCB SPACER	6 x 4T ACRYLIC			PB-FREE	
	27			1	MSB-0023A		NAC-2500 LABEL	29 x 68		NITGEN	PB-FREE	
2	28		1		MSB-0023B		NAC-2500R LABEL	29 x 68		NITGEN	PB-FREE	
2	29	1			MSB-0023C		NAC-2500M LABEL	29 x 68		NITGEN	PB-FREE	
	30	1	1	1	MSB-0025A		NAC-2500 ESD	110 x 100			PB-FREE	
8	31	1	1	1	MSB-0026A		NAC-2500 ESD 방지태완	35 x 20		두람하이테크	PB-FREE	
	32	1	1	1	MSB-0027A		NAC-2500	60 x 14		NITGEN	PB-FREE	
	33	2	2	2	MSB-0028B		NAC-2500 LCD	30 x 10 x 3			PB-FREE	
	34	1	1	1	SU2-0002B		NAC-2500N SPEAKER (P/F)	SR4020PS13D		S4 DESIGN	PB-FREE	
3	35		1		MS9-0043A		식별 스틱카	9.1X25.5 (NAC-2500R)		모린기획		
6			1		MSB-0035A			9.1X25.5 (NAC-2500R)				
3	36	1			MS9-0043B		식별 스틱카	9.1X25.5 (NAC-2500M)		모린기획		
6		1			MSB-0035B			9.1X25.5 (NAC-2500M)				

Application part	FLASH 8M	4	Model	NAC -2500L		Unit	mm			
				Main PCB ASS'Y	Scale		N/S			
EA1-0050 (2/3)		General Tolerance		±0.1						
No	B	Part No	Symbol & Reference					Maker		
1	1	EB1-0019B		NAC -2500N MAIN PCB	179x79.7x1.7t , 6L (V0.5)				P/F	
2	55	EC1-0001D	BC1~BC51,C15,C49,C51~52	CERAMIC CAPACITOR	0.1uF,16V,±10%,S1608			WALSIN	PB-FREE	
3	7	EC1-0002A	C17,C20~C23,C25,C28	CERAMIC CAPACITOR	10U/10V,+80~-20%,S1608			WALSIN	PB-FREE	
4	4	EC1-0004E	C35,C38,C43,C48	CERAMIC CAPACITOR	22pF,50V,±5%,S1608			WALSIN	PB-FREE	
5	2	EC1-0013A	C44,C45	CERAMIC CAPACITOR	33pF,50V,±5%,S1608			WALSIN	PB-FREE	
6	→	EC3-0018A	C39	ELECTRO-CAPACITOR	SCDM3R3224R			Korechip	PB-FREE	
7	3	EC3-0001E	C37,C46,C47	TANTAL CAPACITOR	4.7uF,16V±10%,S3216			VISHAY	PB-FREE	
		EC3-0001F			4.7uF,20V,±20%,S3216			NICHICON	PB-FREE	
		EC3-0003D			4.7uF,16V,±20%,S3216			NICHICON	PB-FREE	
		EC3-0003H						VISHAY	PB-FREE	
8	3	EC3-0002A	C19,C27,C50	TANTAL CAPACITOR	47uF,16V,±20,S7343			VISHAY	PB-FREE	
9	3	EC3-0003A	C18,C24,C26	TANTAL CAPACITOR	10uF,16V±20%,S3216			VISHAY	PB-FREE	
10	4	EC3-0003D	C14,C29,C30,C31	TANTAL CAPACITOR	4.7uF,20V,±20%,S3216			VISHAY	PB-FREE	
11	2	EC3-0007A	C1,C2	ELECTRO CAPACITOR	22uF,50V±20%SD6.3				PB-FREE	
12		ED1-0001A	D3,D5~D16	DIODE	LL4148,CHIP3415			DEC,ROHM	PB-FREE	
	9	ED1-0001A	D3,D5,D6,D11~D16	DIODE	LL4148,CHIP3415			DEC,ROHM	PB-FREE	
13	2	ED1-0002B	D1,D2	DIODE	5S2210			DEC	PB-FREE	
14	34	EE4-0003A	BL1~BL34	FERRITE BEAD	MPZ2012-S221A			TDK	PB-FREE	
15	1	EH2-0004A	D4	LED	LED GREEN,1.8V,CHI1608			AUK	PB-FREE	
16	1	EN2-0001H	J4	CONNECTOR-MOLEX	53047-0910(1.25mm)			MOLEX	PB-FREE	
17	1	EN2-0004B	JP1	JUMPER	A2-2PA-2.54DSA			DAEWON	PB-FREE	
18	1	EN2-0030A	J10	CONNECTOR	53398-0371			MOLEX	PB-FREE	
19	1	EN2-0030B	J2	CONNECTOR	5267-06AX			MOLEX	PB-FREE	
20	1	EN2-0030C	J1	CONNECTOR	5267-03AX			MOLEX	PB-FREE	
21	2	EN2-0030D	J5,J9	CONNECTOR	5267-04AX			MOLEX	PB-FREE	
22	2	EN2-0030E	J6,J8	CONNECTOR	52559-2072			MOLEX	PB-FREE	
		EN2-0030H			52559-2070			MOLEX	PB-FREE	
23	1	EN2-0030F	J7	CONNECTOR	52207-1885			MOLEX	PB-FREE	
24	2	EN2-0028A	J12,J15	CONNECTOR	DSS-200-20P			DAEWON	PB-FREE	
25	2	EN2-0029A	J13,J14	CONNECTOR	DSS-200-16P			DAEWON	PB-FREE	
26	→	EQ1-0002B	Q1~Q4,Q4,Q5	TR	MMBT4401LT1G			AUK	PB-FREE	
	3		Q1,Q4,Q5							
27	1	EQ1-0007A	Q3	TR	BC338-25ZL1			On-Semi	PB-FREE	
		EQ1-0007B			BC337-25ZL1					
28	3	ER2-0001A	R29,R33,R54	RESISTOR	0Ω,±5%,S1608			WALSIN	PB-FREE	
29	1	ER2-0001A	R32	RESISTOR	0Ω,±5%,S1608			WALSIN	PB-FREE	
30	1	ER2-0001D	R42	RESISTOR	100Ω,±5%,S1608			WALSIN	PB-FREE	
31	2	ER2-0001F	R34,R40	RESISTOR	330Ω,±5%,S1608			WALSIN	PB-FREE	
32	1	ER2-0001G	R57	RESISTOR	470Ω,±5%,S1608			WALSIN	PB-FREE	
33	1	ER2-0001K	R50	RESISTOR	560Ω,±5%,S1608			WALSIN	PB-FREE	
34	4	ER2-0001M	R6,R37,R38,R43	RESISTOR	1KΩ,±5%,S1608			WALSIN	PB-FREE	
35	2	ER2-0001N	R12,R13	RESISTOR	1.5KΩ,±5%,S1608			WALSIN	PB-FREE	
36	3	ER2-0001Q	R41,R67,R68	RESISTOR	3KΩ,±5%,S1608			WALSIN	PB-FREE	
37	20	ER2-0001R	R1~2,R4~5,R10~11,R36,R44~49,R55,R59,R62,R64,R69,R70~71	RESISTOR	4.7KΩ,±5%,S1608			WALSIN	PB-FREE	
38	8	ER2-0001S	R3,R14~16,R20~22,R35	RESISTOR	10KΩ,±5%,S1608			WALSIN	PB-FREE	
39	→	ER2-0001T	R24,R25,R60,R61	RESISTOR	100KΩ,±5%,S1608			WALSIN	PB-FREE	
	4		R24,R25,R60,R61							
40	1	ER2-0001U	R23	RESISTOR	1MΩ,±5%,S1608			WALSIN	PB-FREE	
41	1	ER2-0001V	R9	RESISTOR	20KΩ,±5%,S1608			WALSIN	PB-FREE	
42	3	ER2-0002B	R26,R27,R28	RESISTOR	24Ω,±5%,S1608			WALSIN	PB-FREE	
43	2	ER2-0002H	R30,R31	RESISTOR	22Ω,±5%,S1608			WALSIN	PB-FREE	
44	1	ER2-0002U	R8	RESISTOR	2KΩ,±5%,S1608			WALSIN	PB-FREE	
45	→	ER2-0004H	R51	RESISTOR	22KΩ,±1%,S1608			WALSIN	PB-FREE	
46	1	ER2-0011A	R53	RESISTOR	91K,±5%,S1608			WALSIN	PB-FREE	
47	1	ER2-0012A	R63	RESISTOR	120Ω,±5%,S1608			WALSIN	PB-FREE	
48	3	ER3-0002C	RA5,RA6,RA7	ARRAY RESISTOR	22Ω,±5%,MNR14			WALSIN	PB-FREE	
49	3	ER3-0002F	RA2,RA3,RA8	ARRAY RESISTOR	1KΩ,±5%,MNR14			WALSIN	PB-FREE	
50	2	ER3-0002K	RA1,RA4	ARRAY RESISTOR	10KΩ,±5%,MNR14			WALSIN	PB-FREE	
51	1	ER5-0001A	R7	VR RESISTOR	RG06P-10K			TOCOS	PB-FREE	
52	14	ER5-0002A	C3~C13,C16,C34,C36	VARISTOR	SF10603-050E220NP			SFI	PB-FREE	
53	1	ES3-0003B	U14	IC SOCKET- P/F	24PIN DIP			Y.J.Elec	PB-FREE	
54	1	EU1-0005D	U6	CPU	LUPXA255AOC200,200MH			Intel	PB-FREE	
55	1	EU1-0006B	U10	FPGA	XC2S30-5VQG100			Xilinx	PB-FREE	
56	1	EU8-0027A	U1	V.REGULATOR	NCP1086ST-33T3G			On-Semi	PB-FREE	
57	1	EU8-0028A	U3	POWER SWITCH	FD63231			Fairchild	PB-FREE	
58	1	EU8-0029A	U2	V.REGULATOR	XC6210B252MR			Torex	PB-FREE	
59	1	EU8-0030A	U5	V.REGULATOR	NCP1729SN35T1G			On-Semi	PB-FREE	
60	1	EU8-0031A	U4	V.REGULATOR	SC42115TRT			Semtech	PB-FREE	
61	1	EU1-0016A	U14-1	Voice IC	AP89341			APLUS	PB-FREE	
62	→	EU9-0007B	U8	SDRAM	K4S643232H-TC60			SAMSUNG	PB-FREE	
		EU3-0011B	U8	SDRAM	K4S643232H-UC60			SAMSUNG	PB-FREE	
		EU3-0011C		SDRAM	IS42S32200C1-6TL			ISSI	PB-FREE	
63		EU3-0013B	U9	FLASH MEMORY	SST39VF3201-70-4C-EKE			SST	PB-FREE	
64	1	EU3-0013C	U9	FLASH MEMORY	SST39VF6401B70-4C-EKE			SST	PB-FREE	
65	1	EU4-0007A	U11	CMOS IC	SN74HC08PWR-TSSOP			TI	PB-FREE	
66	1	EU5-0004A	U12	RTC	DS1302Z			Dallas	PB-FREE	
		EU5-0004B		RTC	DS1302Z+			Dallas	PB-FREE	
67	1	EU8-0024B	U16	RESET IC	EM6323LXSP5B-2.9+			EM	PB-FREE	
68	1	EU9-0005A	U15	RS-485 TRANSCEIVERS	SP3494EN-L			SIPEX	PB-FREE	
69	1	EX1-0001C	U7	X-TAL	3.6864MHz (Small)			SUNNY	PB-FREE	
70	1	EX1-0002A	U13	X-TAL	CH308,32.768KHz,±50			CITIZEN	PB-FREE	
		EX1-0002B			CH308,32.768KHz,±50			SUNNY	PB-FREE	
71	1	EN2-0013D	C39	CONNECTOR	53261-0271			MOLEX	PB-FREE	
72	1	EP2-0005A	C39-2	BATTERY ASS Y	CR2032+2P CABLE				PB-FREE	

Application part					Model NAC - 2500L			Unit	mm			
					NETWORK PCB ASS'Y			Scale	N/S			
					EA1-0052 (2/2)			General Tolerance	±0.1			
No	D	C	B	A	Part No	Symbol & Reference				Maker		
1				1	EB1-0021B		NAC-2500N NETWORK PCB	81 X 49, V1.2			P/F	
2				12	EC1-0001D	BC2~BC7, BC9~12, C1, C3	CERAMIC CAPACITOR	0.1uF,16V±10%,S1608		WALSIN	PB-FREE	
3				2	EC1-0002A	BC1, BC8	CERAMIC CAPACITOR	1uF,10V,+80-20,S1608		WALSIN	PB-FREE	
4				1	ED1-0001A	D3	DIODE-DEC	LL4148, CHIP3415		DEC	PB-FREE	
5				11	EE4-0003A	BL1~4,BL10, BL12~17	FERRITE BEAD	MPZ2012-S221A		TDK	PB-FREE	
6				2	EH2-0004A	D1,D2	LED	SM-1316T, GREEN, S1608		AUK	PB-FREE	
7				1	EN1-0006B	J3	CONNECTOR (P/F)	PCB-824A (RJ45)		BESTSUN	PB-FREE	
8				2	EN2-0028B	J1,J2	CONNECTOR	DH2002(D)-115-20P			PB-FREE	
9				3	ER2-0001D	R2,R3,R5	RESISTOR	100Ω,±5%,S1608		WALSIN	PB-FREE	
10				1	ER2-0001R	R11	RESISTOR	4.7KΩ,±5%,S1608		WALSIN	PB-FREE	
11				1	ER2-0001S	R61	RESISTOR	10KΩ,±5%,S1608		WALSIN	PB-FREE	
12				2	ER2-0002F	R6,R7	RESISTOR	10Ω,±5%,S1608		WALSIN	PB-FREE	
13				2	ER2-0002M	R8,R9	RESISTOR	39Ω,±5%,S1608		WALSIN	PB-FREE	
14				1	ER2-0002R	R10	RESISTOR	68Ω,±5%,S1608		WALSIN	PB-FREE	
15				1	ER2-0004H	R4	RESISTOR	22KΩ,±1%,S1608		WALSIN	PB-FREE	
16				1	ER2-0007A	R1	RESISTOR	0Ω,±5%,CHIP2012		WALSIN	PB-FREE	
17				1	ER5-0002A	C2	VARISTOR	SFI0603-050E220NP		SFI	PB-FREE	
18				1	EU2-0002B	U1	LAN	LAN91C96MU		SMSC	PB-FREE	
19				1	EU2-0004A	U2	PHY	FB2022 LF		BOTH HAND	PB-FREE	
1				1	EU3-0009A	U4	EEPROM	AT93C46-10SI-2.7		ATMEL	PB-FREE	
				1	EU3-0009B	U4	EEPROM	AT93C46-10SU-2.7		ATMEL	PB-FREE	
21				1	EX1-0004A	U3	OSC	SCO-103,20MHz		SUNNY	PB-FREE	

Application part		Model			Unit	mm			
		NAC-2500L							
		RELAY PCB ASS'Y			Scale	N/S			
		EA1-0051 (2/2)			General Tolerance	±0.1			
NO	A	Part No	Symbol & Reference				Maker		
1	-1	EB1-0020B		NAC-2500N-RELAY-PCB	81 X 40 (V 1.0)		태라닉스	P.F 금도금	
	1	EB1-0020C		NAC-2500N RELAY PCB	81 X 40 (V 1.1)			P.F	
2	1	EC1-0007E	C1	CERAMIC CAPACITOR	22nF,50V,±10%,S1608		WALSIN	PB-FREE	
3	4	EC1-0015A	C2, C8, C14~15	CERAMIC CAPACITOR	0.1μF,50V, S1608		WALSIN	PB-FREE	
4	2	EC1-0016A	C3, C4	CERAMIC CAPACITOR	4.7μF,50V, -20/+80,S3225		WALSIN	PB-FREE	
5	1	EC1-0016B	C9	CERAMIC CAPACITOR	2.7nF/50V,±10,S1608		WALSIN	PB-FREE	
6	1	EC3-0002A	C6	Tantal Capacitor	47μF,16V,±20,S7343		VISHAY	PB-FREE	
7	2	EC3-0007A	C11,C12	ELECTRO CAPACITOR	22μF,50V±20%SΦ6.3			PB-FREE	
8	1	EC3-0008A	C5	ELECTRO CAPACITOR	0.1μF,50V,±20,SΦ4			PB-FREE	
2	-1	EC3-0017A	C13	TANTAL CAPACITOR	4.7F,50V,±20%,S7343		KEMET	PB-FREE	
10	1	ED1-0001A	D2	DIODE	LL4148, CHIP3415		DEC,ROHM	PB-FREE	
11	1	ED1-0002B	D1	DIODE	SS210		DEC	PB-FREE	
12	1	EE1-0014A	L1	INDUCTOR	PLF10140-150M2R1 15uH, 2.5A		TDK	PB-FREE	
13	5	EE4-0003A	BL1~5	FERRITE BEAD	MPZ2012-S221A		TDK	PB-FREE	
14	1	EL5-0003A	K1	RELAY	DS1E-M-DC5V		NAIS	PB-FREE	
15	1	EN2-0004B	JP1	JUMPER	A2-2PA-2.54DSA		DAEWON	PB-FREE	
16	1	EN2-0030G	J4	CONNECTOR	53259-0229		MOLEX	PB-FREE	
17	2	EN2-0029B	J2,J3	CONNECTOR	DH2002(D)-125-16P		DAEWON	PB-FREE	
18	1	EQ1-0005A	Q1	SWITCHING TR	KRC106S		KEC	PB-FREE	
19	2	ER2-0001K	R10,R11	RESISTOR	560Ω,±5%,S1608		WALSIN	PB-FREE	
2	2	ER2-0001M	R1 ,R12~13	RESISTOR	1KΩ,±5%,S1608		WALSIN	PB-FREE	
2	1	ER2-0003F	R1	RESISTOR	1KΩ,±5%,S2012		WALSIN	PB-FREE	
22	2	ER2-0001R	R7,R8	RESISTOR	4.7KΩ,±5%,S1608		WALSIN	PB-FREE	
23	1	ER2-0001S	R9	RESISTOR	10KΩ,±5%,S1608		WALSIN	PB-FREE	
24	2	ER2-0001U	R14~15	RESISTOR	1MΩ,±5%,S1608		WALSIN	PB-FREE	
25	1	ER2-0002X	R16	RESISTOR	3.3KΩ,±5%,S1608		WALSIN	PB-FREE	
26	1	ER2-0003E	R5	RESISTOR	7.5KΩ,±5%,S1608		WALSIN	PB-FREE	
27	1	ER2-0004D	R2	RESISTOR	30.9KΩ,±1%,S1608		WALSIN	PB-FREE	
28	1	ER2-0004G	R3	RESISTOR	10KΩ,±1%,S1608		WALSIN	PB-FREE	
29	1	ER5-0002A	C10	VARISTOR	SFI0603-050E220NP		SFI	PB-FREE	
30	2	EU8-0018A	U2,U3	PHOTO COUPLER	SPC-817M		AUK	PB-FREE	
31	1	EU8-0032A	U1	POWER IC	MP1591-DS-Z		MPS	PB-FREE	
1	32	EN3-0007A	JP1-2	SHORT PIN-HIROSE	HIF3GA-2.54SP		HIROSE	PB-FREE	
2	33	EE1-0005A	L2	INDUCTOR	SHP1260P-330A		TCE	PB-FREE	

Application part	NAC-2500 KEYPAD	Model NAC-2500L			Unit	mm			
		KEYPAD PCB ASS'Y			Scale	N/S			
		EA1-0043 (2/2)			General Tolerance	±0.1			
NO	A	Part No	Symbol & Reference				Maker		
1	1	EB1-0022A		NAC-2500 KEYPAD PCB	155 X 78 (V 1.0)			P.F	
2	1	EC1-0001D	C1	CERAMIC CAPACITOR	0.1uF,16V±10%,S1608		WALSIN	PB-FREE	
3	20	ED1-0001B	D1~20	DIODE	1N4148,S3415		DEC	PB-FREE	
4	3	EH2-0001A	D21,D23~24	LED	RED,1.8V,S3216		EVERIGHT	PB-FREE	
5	3	EH2-0001C	D22,D25~26	LED	GREEN,1.8V,S3216		EVERIGHT	PB-FREE	
6	1	EN2-0009D	J2	CONNECTOR	53398-0271		MOLEX	PB-FREE	
7	1	EN2-0030E EN2-0030H	J1	CONNECTOR	52559-2072 52559-2070		MOLEX	PB-FREE PB-FREE	
8	3	EQ1-0002B EQ1-0004B	Q1~3	SWITCHING TR	MMBT2369LT1G		MOTOROLA	PB-FREE	
9	3	ER2-0001D	R8,R15,R18	CERAMIC RESISTOR	100Ω,±5%,S1608		WALSIN	PB-FREE	
10	10	ER2-0001E	R1~7,R9~11	CERAMIC RESISTOR	220Ω,±5%,S1608		WALSIN	PB-FREE	
11	3	ER2-0001M	R12,R13,R14	CERAMIC RESISTOR	1KΩ,±5%,S1608		WALSIN	PB-FREE	
12	2	ER2-0013C	R16~17	CERAMIC RESISTOR	49.9Ω,±5%,S1608		WALSIN	PB-FREE	

Revised: Thursday, November 08, 2007
Revision: 0.1

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Item	Quantity	Reference	Part
1	1	C1	1uF/10V
2	1	D1	SSC-UHPT801 (EXTERIOR LED)
3	4	D2,D3,D4,D5	SSC-UR102
4	1	J1	MOLEX 4P 2.5MM (35022-4A)
5	2	Q1,Q2	MMBT4401L
6	1	R1	50 S2012 %1
7	1	R2	220 S1608 1%
8	1	R3	220S1608 1%
9	1	R4	33 S2012 %1
10	2	R5,R6	1K
11	1	VARISTOR1	N.C. (2012 size)

No. :	OPP03 LFD PARTS LIST
Date : 2007. 10. 18	

OPP03 LFD Parts List							
N0	Code	Part Number	Part Name	Specification	Qu1	ECO	
1			OPP03 LFD PCB	V 1.2	1		
2	EE4-0005A	BA1,BA2	Ferrite Bead Array	CBA3216GA601N4E	2		
3	EC1-0010A	BC2,BC3,BC4,C7,C8	CERAMIC CAPACITOR	0.1uF,16V,+80 ~ -20%,S1005	5		
4	EC1-0011A	C1	CERAMIC CAPACITOR	0.33uF,10V,+80 ~ -20%,S1005	1		
5	EC1-0001L	C2,C4	CERAMIC CAPACITOR	1uF,16V±10%,S1608	2		
6	EN2-0021B	J1	Connector	52746-2090	1		
7	EN2-0022A	J2	Connector	DSS-200-5P(-3)	1		
8	EE4-0004A	L1,L2	Ferrite Bead	CB1608GA102T	2		
9	EQ1-0002A	Q1	SWITCHING TR	MMBT4401LT1	1		
10	ER2-0009B	R1,R2,R3,R4,R5	RESISTOR	4.7KΩ,±5%,S1005	5		
11	ER2-0007C	R6	RESISTOR	33Ω,±1%,S2012	1		
12	ER2-0009A	R7	RESISTOR	330Ω,±5%,S1005	1		
13	EU8-0025A	U1	V.REGULATOR	XC6213B252NR	1		
14	EUA-0005A	U3	CMOS IMAGE SENSOR	PAS302BCW	1		
15	EH2-0005A		LED	KA-1114/2EC-CC-L5	1		

	HID MODULE	PARTLIST		NO								
PAGE :												

NO	LEVEL				part name		PART NAME	spec	MAKER	
	0									
	1									
		2			Ceramic Capacitor	1	B1	104 /J 1608-TYPE		SMD
		2			Ceramic Capacitor	1	C1	390pF/J 1608-TYPE		SMD
		2			Ceramic Capacitor	1	C2	2200pF/J 1608-TYPE		SMD
		2			Connector	1	CN2	5268 2.5_2P Angle(M)	MOLEX	DIP
		2			Shottky Diode	2	D1,D2	1N4148		SMD
		2			Capacitor	1	EC1	10uF/16V - (5.5*5.5)		SMD
		2			Transistor	2	Q1,2	NPN (KTC4375)_SOT89	KEC_Semi	SMD
		2			registor	1	R1	8.2K 1608-TYPE 5%		SMD
		2			registor	1	R2	0.1K 1608-TYPE 5%		SMD
		2			registor	2	R3,7	0.01K 1608-TYPE 5%		SMD
		2			registor	4	R4,6,8,10	1K 1608-TYPE 5%		SMD
		2			registor	2	R5,9	4.7K 1608-TYPE 5%		SMD
		2			registor	1	R11	100K 1608-TYPE 5%		SMD
		2			Card Reader Chip	1	U1	MCM(4025)	HID	SMD
		2			Zener Diode	3	ZD1,ZD2,ZD3	1N4734A		DIP