

## ELECTRONIC PARTS LIST

작성자      김 인 규

ONIA\_Mini\_Main Board V1

작성일      : 2016. 6.

No	Part Name	Type	Description	Location No.	Q'ty	Manufacturer	Vendor	Remark
1	REV : 1.0 / 2016. 6. /		P.C.B	ONIA_Mini_Main Board V10	1			
2	53047-0210	Connecttor	1.25mm Pitch PicoBlade	J1-2	2	Molex		
3	53047-0610	Connecttor	1.25mm Pitch Vertical	J4 J10	2	Molex		
4	53047-0710	Connecttor	1.25mm Pitch Vertical	J3	1	Molex		
5	HEADER-SOCKET_2X6_1.27_DIP	Connecttor	Boxheader 2 X 6 1.27mm DIP	J8	1			
6	MUZF-051-4BH81	Connecttor	MICRO USB AB TYPE, RIGHT ANGLE, SMT TYPE	J5	1			
7	RN4020	BLE Module	Bluetooth® Low Energy Module	J7	1	MICROCHIP		
8	1005(0402),0.1uF	SMD 1005	Capacitor	C4 C15 C18-22 C29	8			
9	1005(0402),1uF	SMD 1005	Capacitor	C3 C6-14 C17 C24 C37	13			
10	2012(0805),10uF_10V	SMD 2012	Capacitor	C1-2 C5 C27 C38-39	6			
11	0_5%	SMD 1005	Resistor	R26 R59 R65	3			
12	1.5K_1%	SMD 1005	Resistor	R62-63	2			
13	100K_1%	SMD 1005	Resistor	R61	1			
14	10K_1%	SMD 1005	Resistor	R4 R27-28 R52 R71	5			
15	10ohm_1%	SMD 1005	Resistor	R14 R17 R20 R32 R35 R40 R43 R46	8			
16	1K_1%	SMD 1005	Resistor	R24 R38 R67 R69	4			
17	2.2K_5%	SMD 1005	Resistor	R23	1			
18	200K_5%	SMD 1005	Resistor	R48 R54	2			
19	20ohm_1%	SMD 1005	Resistor	R13 R16 R19 R31 R34 R37 R42 R45	8			
20	2K_1%	SMD 1005	Resistor	R1	1			
21	2M_1%	SMD 1005	Resistor	R25	1			
22	300K_5%	SMD 1005	Resistor	R5 R47	2			
23	330_5%	SMD 1005	Resistor	R30	1			
24	33_5%	SMD 1005	Resistor	R49 R64	2			
25	4.7K_5%	SMD 1005	Resistor	R2 R8 R10 R22 R39 R53 R55-58 R60 R68 R70	13			
26	49.9K_5%	SMD 1005	Resistor	R12	1			
27	620_5%	SMD 1005	Resistor	R50-51	2			
28	62ohm_1%	SMD 1005	Resistor	R11 R15 R18 R21 R33 R36 R41 R44	8			
29	82K_1%	SMD 1005	Resistor	R66	1			
30	DNI	SMD 1005	Resistor	R3 R6-7 R9 R29	5			미삽입
31	6.2_5%	SMD 1608	Resistor	R72	1			
32	HB-1M1608-102JT	SMD 1608	Inductor	L2 L4	2			
33	PMEG3010ER	SMD	Diode	D1	1			

34	LMV321AP5X	SMD SC70-5	OP AMP	U9	1			
35	MCP73831T-2/OT	SOT23	IC	U7	1			
36	PIC10F200T-I/OT	SOT23	MCU	U1	1			
37	SN74LVC1G175DCKR	SMD SC70-6	Buffer	U8	1			
38	STM32F100C8	LQFP48	MCU	U2	1			
39	17-223BHR7C-C303C	SMD	IC	D2 D12	2			
40	ETL-F2F1300-C	SMD5450	LED	D3-10	8			
41	LED	SMD_0603	LED	LED4	1			
42	DMP2160UW	SOT323	Diode	U3	1			
43	MMBT2222ALT1	SOT23	TR	U4-6	3			
44	MCP1726-3302E	SOIC08	LDO Regulator	U21	1			
45	Mic 6Pi	DIP	Mic	MIC1	1			

## ELECTRONIC PARTS LIST

작성자            김 인 규

ONIA\_MiniLUP Board V1

작성일            : 2016. 6.

No	Part Name	Type	Description	Location No.	Q'ty	Manufacturer	Vendor	Remark
1	REV : 1.0 / 2016. 6. /		P.C.B	ONIA_MiniLUP Board V10	1			
2	53047-0710	Connecrtor	DIP 1.25mm Pitch 7Pin	J3	1			
3	1uF	SMD 1005	Capacitor	C3 C6-13	9			
4	0ohm	SMD 1005	Registor	R26	1			
5	10K_1%	SMD 1005	Registor	R27-28 R52	3			
6	10ohm_5%	SMD 1005	Registor	R14 R17 R20 R32 R35 R40 R43 R46	8			
7	1K_1%	SMD 1005	Registor	R24 R38 R67 R69	4			
8	2.2K_1%	SMD 1005	Registor	R23	1			
9	20ohm_5%	SMD 1005	Registor	R13 R16 R19 R31 R34 R37 R42 R45	8			
10	2M_1%	SMD 1005	Registor	R25	1			
11	4.7K_5%	SMD 1005	Registor	R39 R68 R70	3			
12	62ohm_1%	SMD 1005	Registor	R11 R15 R18 R21 R33 R36 R41 R44	8			
13	LMV321AP5X	SMD SC70-5	OP AMP	U9	1			
14	SN74LVC1G175DCKR	SMD SC70-6	Buffer	U8	1			
15	ETL-F2F1300-C	SMD5450	LED	D3-10	8			
16	MMBT2222ALT1	SOT23	TR	U4-6	3			
17	Mic 6Pi	DIP	Mic	MIC1	1			

## ELECTRONIC PARTS LIST

작성자            김 인 규

ONIA\_MiniTouch Board V1

작성일            : 2016. 6.

No	Part Name	Type	Description	Location No.	Q'ty	Manufacturer	Vendor	Remark
1	REV : 1.0 / 2016. 6. /		P.C.B	ONIA_Mini_UP Board V10	1			
2	53261-0671	SMD06	1.25mm Pitch PicoBlade Surface Mount	J3	1			
3	DNI		DIP 1.25mm Pitch 5Pin	J2	0			미삽입
4	0.1uF	SMD 1005	Capacitor	C1	1			
5	1uF	SMD 1005	Capacitor	C2 C4 C6	3			
6	2.2uF_16V	SMD 1005	Capacitor	C5	1			
7	10uF	SMD 2012	Capacitor	C3	1			
8	33ohm_5%	SMD 1005	Registor	R1 R7-9	4			
9	560ohm_5%	SMD 1005	Registor	R2-3 R5-6	4			
10	TOUCHCORE350-ML16IP	16MLP	MCU	U1	1			