

# Parts List

Electrical  Mechanical  Packaging

HIS-R&D Dept.

Model No:		SA8072		<input checked="" type="checkbox"/> Preliminary		DOC No:		
Customer:		Woojer main board		<input type="checkbox"/> Mass Production		Ver : 0.1		
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						Date: 2019/8/29		
em N	Parts Name	Customer PN	Part Number(ERP)	Specification	Q'TY	ew pa	Location	Remark
1	TYPE-C		820-02310-00A	USB Type-C ,8.64*7.85*2.52,UB227DH-0166110P ,JXT,SA8072	1	△	USB1	SMT
2	Switch		820-00748-00A	SW,4.5*2.3*1.7,TA703501S02,SMD,4.5*2.3*1.7,SK6860	2		S1,S6	SMT
3	Switch		820-02105-00A	SW,SKSFABE010,Alpes,SA8071	4		S2,S3,S4,S5	SMT
4	Resistor		818-70222-A5A	CHIP RES 1/16W +-1% 2.2K 0402 SMD TA-I,RM04FT2201	3	*	R10, R53, R55	SMT
5	Resistor		818-70203-95B	RES,20K,+/-1%,1/16W,0402 SA8071,SA8071	4		R13, R14, R18, R19	SMT
6	Resistor		818-70103-A3A	RES,10K,1/16W,+/-5%,0402,SK3370	14		C00,C01,R15, R16,	SMT
			818-70103-A3C	RES,10K,1/16W,+/-5%,0402,WALSIN,SK3370			R20, R21, R22, R23,	SMT
7	Resistor		818-70104-A3A	RES,100K,1/16W,+/-5%,0402,SM7005	2		R24, R28, R64, R44	SMT
8	Resistor		818-70204-A5A	CHIP RES 200000ohm 0.0025W +/-1% Thick Film 50V 0402 TAPING Pb	1		R17, R30	SMT
9	Resistor		818-76812-A5A	RES,68.1KOhm,1%,0402,1/16W,RM04FT6812	1	*	R46	SMT
10	Resistor		818-70000-93A	RES,0,1/16W,+/-5%,0402,SM2065,GP	2		R51	SMT
			818-70000-A3A	RES,0,1/16W,+/-5%,0402,SM2065,GP			R52, R54	SMT
			818-70000-A3C	RES,0,1/16W,+/-5%,0402,WALSIN,SK3370				SMT
11	Resistor		818-71623-A5A	RES,162KOhm,1%,0402,1/16W,RM04FT1623	1	*	R29	SMT
12	Resistor		818-70105-A5A	RES,1M,1/16W,+/-1%,0402,SM2065,GP	1	*	R31	SMT
13	Resistor		818-78662-A5A	RES,86.6KOhm,1%,0402,1/16W,RM04FT8662	1	*	R45	SMT
14	Resistor		818-77152-A5B	RES,71.5KOhm,1%,0402,1/16W,TA-I,RM04FT7152	1		R34	SMT
15	Resistor		818-70101-A3A	RES,100,1/16W,+/-5%,0402,GP,SK6190	5		R56, R57, R58, R59,	SMT
			818-70101-A3B	RES,100,1/16W,+/-5%,0402,WALSIN,SK3370			R60, R62	SMT
16	Resistor		818-60000-93A	RES,0,1/10W,+/-5%,0603,SM6520	1		R5	SMT
17	Resistor		818-71822-A5A	RES,18.2KOhm,1%,0402,1/16W,RM04FT1822	1	*	R7	SMT
18	Resistor		818-70153-A3A	RES,15K,1/16W,+/-5%,0402,SK5225	2		R6, R9	SMT
19	Resistor		818-70471-A5A	RES,470,1/16W,+/-1%,0402,SM8121	2		R2, R3	SMT
20	Resistor		818-74992-95A	RES,49.9K,1/16W,+/-1%,0402 SA8071	1		R39	SMT
21	Resistor		818-70180-A3A	RES,18,1/16W,+/-5%,0402,SK3360	2		R1, R8	SMT
22	Resistor		818-70102-A3A	RES,1K,1/16W,+/-5%,0402,GP,GP	13		R25, R26, R27, R29,	SMT
			818-70102-A3D	RES,1K,1/16W,+/-5%,0402,WALSIN,SK3370			R32, R33, R36, R37,	SMT
23	Resistor		818-70821-A3A	Res,820,1/16W,+/-5%,0402,SM7005	1		R38, R42, R43, R47	SMT
			818-70821-A3B	Res,820,1/16W,+/-5%,0402,WALSIN,SK3370			R40	SMT
24	Resistor		818-70201-A5A	RES,200,1/16W,+/-1%,0402,GP,SK3882	1		R35	SMT

备注: (1)新材料“\*”为ENG 承认; (2)新材料“△”为RD 承认;(3)

Approval: Jason Wang

Check: Wells Yang

Prepare: Meggie Zhang

■ Electrical    □ Mechanical    □ Packagi

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Item N°	Parts Name	Customer PN	Part Number(ERP)	Specification	QTY	new part	Location	Remark
25	Resistor		818-70333-A3A	RES,33K,1/16W,+/-5%,0402,sa8071	1		R41	SMT
26	Resistor		818-70512-A3A	CHIP-RES 5100ohm 0.0625W +/-5% Thin Film 5V 0402 TAPING Pb Free	1		R63	SMT
27	Resistor		818-70474-A3A	RES,470K,1/16W,+/-5%,0402,SMD,SK7361	1		R65	SMT
28	Resistor		818-60105-A3A	RES,1M,1/10W,+/-5%,0603 ,GP,SK8815	1		R66	SMT
29	Phonejack		820-02104-00A	CONN,PJ2U-3142A-3B1B-1,Chi-ban,SA8071	2		J1,J2	SMT
30	MOSFET		819-00357-00A	mosfet,P-CH,SOT-23,BC3401,SMD,SA8072	2		Q1, Q3	SMT
30	MOSFET	Z19-00356-00A		Mosfet,P-CH,CJK3401A,SOT23,SMD,SA8072	4	△	Q3	SMT
31	Transistor		819-00034-00A	Transistor,NPN,200MA,2N3904,PMBT3904,SINGLE,LF,SK3880	2		Q2,Q4	SMT
			819-00336-00A	Transistor, NPN,150mA,50V,SOT23,TMBT3904,SK8163		SMT		
32	LED		816-00192-00A	LED LTST-S270TBKT Blue SMD 5V 0.02A LITEON Single 180mc	1		D1(blue)	SMT
33	LED		816-00439-00A	LED,right angle,RG,SMD,LTST-S326KGJRKT,SA8072	1	△	D2(RG)	SMT
34	Inductor		822-00308-00A	Inductor,LQP15MN15NG02D (RoHS),15NH,0402,+/-2%,MURATA	1		L4	SMT
35	Inductor		822-00400-00A	FERRITE BEAD,0805,600Ohm@100MHz,&#8805;5,SM6320	3		L1, L3,L11	SMT
36	Inductor		822-00307-00A	Inductor,2.2UH,SMD,+/-20%,AMPI0630ED2R2MT,SK8071	1		L8	SMT
37	Inductor		822-00007-00A	Ferrite Beads 600+/-25%@100MHZ +-25% 2A 1206 Array BLM31PG601SN1L MURATA Pb Free	6	△	L2, L7,L5,L6,L9,L10	SMT
38	IC		825-00315-00A	IC,LDO,18 Vin, 3.3Vout,250mA,SOT23,ME6209A33M3G,SA8072	1	△	U5	SMT
39	IC		825-00312-00A	Switch IC, SC70-6 ,4.5ohm Low Voltage ,SgMicro,SGM3157,SA8072	2	△	U7,U10	SMT
40	IC	Z25-00313-00A	825-00313-00A	dual operational amplifiers , 8P,SO-8,LMV358SG-13,SA8072	1	△	U3	SMT
41	IC	Z25-00313-00A	826-00397-00A	IC,LM4811MM,VSSOP-10,SA8071, same that for SA8071	1	△	U4	SMT
42	IC	Z26-00786-00A	826-00786-00A	IC, 20V Synchronous Boost Converter,QFN13,TPS611781RNWR,SA8072	1	△	U9	SMT
43	IC	Z25-00314-00A	825-00314-00A	IC,Digital Audio Power Amplifier ,QFP48,TAS5731MPHPR,TI,SA8072	1	△	U1	SMT
44	IC	Z25-00227-00A	825-00227-00A	IC,BQ24060DRCR,DRC,SA8071	1		U6	SMT
45	ESD		816-00430-00A	TVS diode,5V,SOD523,D5V0L1B2T-7,SA8072	8	△	D3,D6, D7, D8, D9, D10, D11, D12	SMT
46	ESD		821-11580-00A	USB filter,ON Semi,STF202-22T1G,TSOP-6,SA8072	1	△	U8	SMT
47	Diode		816-00351-00A	SCHOTTKY DIODE SOT-23 3P H=1.1 SMD DII,BAT54A-7-F 1024000	1		D4	SMT
48	Diode			B5817WS,SOD-323	1	△	D5	SMT
49	Connector		820-02324-00A	CONN,3pin,pitch2.5,DIP180°,GWF-250352-103351J,SA8072	1	△	J3	DIP
50	Capacitor		815-61150-89A	C/C,15pf,50v,+/-2%,npo,0402,SM2065	1		C20	SMT
51	Capacitor		815-34107-25A	C/C,100UF,6.3V,+/-20%,1206,X5R,SA8071	2		C37, C39	SMT
52	Capacitor		815-54106-35C	C/C,10uF,10V,+/-20%,0603,X5R,SA8071	4		C45, C56,C77,C78	SMT

53	Capacitor		818-70000-93A	'RES,0,1/16W,+/-5%,0402,SM2065,GP	1		C15	SMT
54	Capacitor		815-64105-35A	C/C,1uF,10.0V,20%,X5R 0402	14		C22, C33, C34, C35, C36, C38, C40, C42, C43, C44, C47, C62, C63, C64	SMT

备注:(1)新材料“\*”为ENG承认;(2)新材料“△”为RD承认;(3)add 819-00357-00A ,changing Z25-00313-00A from U3 to U4

Approval: Jason Wang

Check: Wells Yang

Prepare: Meggie Zhang

LITEON® SILITEK ELECTRONICS(DONGGUAN)CO.,LTD

Parts List

SPH-R&D-1002C-05B

■ Electrical □ Mechanical □ Packagi

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Item N	Parts Name	Customer PN	Part Number(ERP)	Specification	Q'TY	ew pa	Location	Remark
55	Capacitor		815-64105-66B	MLCC,1u,25V,+/-10%,0402,X5R,CL05A105KA5NQNC,Samsun	1	*	C25	SMT
56	Capacitor		815-54105-46D	/C 0603 1UF 16V X5R +/-10%,SAMSUNG,CL10A105KO8NNN	1		C48	SMT
57	Capacitor		815-64225-36D	C/C,2.2uF,10V,+/-10%,X5R,0402 Samsung,SA1230	1		C66	SMT
58	Capacitor		815-62821-46A	MLCC,820PF,10%,16V,0402,X7R,0402B821K160CT	1	*	C58	SMT
59	Capacitor		815-51475-35A	C/C,4.7uF,10V,X5R,+/-20%,0603,SK6120	1		C52	SMT
60	Capacitor		815-Q4106-66A	MLCC,10U,25V,10%,1210,X5R,CL32A106KAJLNNE,SA8072	1	*	C55	SMT
64	Capacitor		815-Q4226-66A	MLCC,22U,25V,10%,1210,X5R,CL32A226KAJNNNE,SA8072	13	*	C5, C7, C30, C57, C23, C31, C53, C55, C59, C67, C73, C75, C76	SMT
60	Capacitor		815-34226-66A	MLCC,22U,25V,10%,1206,X5R,CL31A226KAHNNNE,Samsung,SA8072	13	*	C57, C23, C31, C53, C55, C59, C67, C73, C75, C76	SMT
62	Capacitor		815-34106-66A	MLCC,10U,25V,10%,1206,X5R,CL31A106KAHNNNE	1	*	C53	SMT
61	Capacitor		815-60223-86A	C/C,22n,50V,+/-10%,0402,SM8190	1		C54	SMT
62	Capacitor		815-44106-36A	MLCC 0805 10uF/10V 10% X5R SMD MURATA,GRM21BR61A106KE19L 106G01061KJD	2		C11,C91	SMT
63	Capacitor		815-64475-25A	C/C,4.7uF,6.3V,+/-20%,X5R,0402,SD9082	1		C14	SMT
			815-64475-36G	C,4.7u,0402,10v,10%,X5R,SAMSUNG,CL05A475KP5NRNC,SK33	1			SMT
64	Capacitor		815-64104-46A	C/C,0.1uF,16V,+10%,X5R,0402,SM3005	17		C12, C16, C18, C27, C32, C35, C50,	SMT
			815-62104-46C	C/C, 0.1uF,16V,10%,X7R,0402,GRM155R71C10,MURATA,SA3380				SMT
65	Capacitor		815-62104-66B	C/C 0402 100NF 25V X7R +/-10%,WALSIN,0402B104K250CT	1		C24	SMT
66	Capacitor		815-62472-46A	C/C,4.7n,16V,+/-10%,X7R,0402,SK7361	2		C2, C3	SMT
67	Capacitor		815-62470-46A	C/C,47nF,16V,+/-10%,X7R,0402,SM3370	2		C8, C9	SMT
68	Capacitor		815-62222-46A	C/C,2.2n,16V,+/-10%,X7R,0402,SD3881	1		C4	SMT
69	Capacitor		815-62222-86A	C/C,2.2n,50V,+/-10%,X7R,0402,SK7235				SMT
70	Capacitor		815-62331-86A	C/C,330PF,50V,+/-10%,0402,X7R,SA8071	2		C10, C17	SMT

71	Capacitor		815-62033-46A	C/C,0.033u,16V,+/-10%,X7R,0402,LF,SM6860	2		C1,C26	SMT
			815-62333-46A	C/C,33n,16V,+/-10%,X7R,0402,SK7235			SMT	
72	Capacitor		815-52333-66A	MLCC,33NF,25V,0402 X7R 10% 0402B333K250CT walsin SA8072	2	*	C13,C19	SMT
73	Capacitor		815-52104-86A	C/C,100n,50V,+/-10%,X7R,0603,SK7285	2		C6, C29	SMT
74	Capacitor		815-40226-35C	C/C,22uF,10V,+/-20%,X5R,0805,WALSIN,SK3370	3		C41, C51,C46	SMT
			815-40226-35E	C/C,22uF,10V,+/-20%,X5R,0805,LMK212BJ226MG-T,SK3886,TA			SMT	
备注:(1)新材料“*”为ENG承认;(2)新材料“△”为RD承认;(3)delete 815-Q4106-66A/815-Q4226-66A/815-34106-66A/815-64475-25A,add 815-34226-66A								

**Approval: Jason Wang**

**Check: Wells Yang**

**Prepare: Meggie Zhang**