

Bill of Material

Model					Document No.		A	Version
Item	level	component No.	Name	Spec	unit		location	manufacture
A_01	0	Z00-H1101A006	main unit	BH-1301A-BE main unit	1			
B_01	1	D01-0H1110A01	PCBA	BH-1301A semi-finished product	1			
C_001	2	D01-000SP1002	PCBA	SP-10A Bluetooth module	1		U2	
C_001	3	D02-080175001	PCB	17.5x14.5x0.8mm FR4	1			
C_002	3	D10-287A05UCH	IC	BC57F687A05U QFN	1		U1	
C_003	3	D10-224C32ACH	IC	L24C32A 1.8V TSS0-8	1		U2	
C_004	3	D10-2A18S3MCH	IC	CL9901A18S3M SOT-23	1		Q1	
C_005	3	D13-0RFBPB001	Filter	RFBPB 2012	1		U3	
C_006	3	D12-016090001	SMD crystal	16M 9PF ±10PPM 3225	1		Y1	
C_007	3	D05-79668B001	SMD Capacitor	6.8PF/50V ±0.5PF 0402	1		C14	
C_008	3	D05-796015001	SMD Capacitor	10PF/50V ±0.5PF 0402	1		C17	
C_009	3	D05-73615A001	SMD Capacitor	15pF/50V 0402 ±5%	1		C8	
C_010	3	D05-73618A002	SMD Capacitor	18PF/50V 0402 ±5% NPO	1		C16	
C_011	3	D05-746227001	SMD Capacitor	223P/50V 0402 ±10%	1		C15	
C_012	3	D05-746477001	SMD Capacitor	473P/50V 0402 ±10%	1		C10	
C_013	3	D05-746019002	SMD Capacitor	104P/50V 0402 ±10%	1		C13	
C_014	3	D05-746229002	SMD Capacitor	2.2UF/50V 0402 ±10%	2		C4 C18	
C_015	3	D05-746479001	SMD Capacitor	4.7uF/50V 0603 ±10% NPO	1		C2	
C_016	3	D04-956229001	SMD resistor	2.2Ω 0402 ±5%	1		R2	
C_017	3	D04-956222001	SMD resistor	2.2K 0402 ±5%	3		R16 R17 R18	
C_018	3	D06-515400001	SMD inductor	15NH 0402 ±5%	1		L2	
D_01	2	D02-032103402	PCB	32.1x34.7 x1.0 mm BH-1301A_V 1.0 FR4	1			
D_02	2	D04-916000001	SMD resistor	0Ω 0402	1		C10	
D_03	2	D04-950000001	SMD resistor	0Ω 0603	2		L1, L2	
D_04	2	D04-953249001	SMD resistor	2.4Ω 1206 ±5%	1		R1	
D_05	2	D04-950011001	SMD resistor	10Ω 0603 ±5%	1		R4	
D_06	2	D04-950470001	SMD resistor	47Ω 0603 ±5%	2		R6, R7	
D_07	2	D04-950201001	SMD resistor	200Ω 0603 ±5%	1		R10	
D_08	2	D04-950331001	SMD resistor	330Ω 0603 ±5%	1		R2	
D_09	2	D04-950013001	SMD resistor	1K 0603 ±5%	1		R15	
D_10	2	D04-950222001	SMD resistor	2.2K 0603 ±5%	1		R12	
D_11	2	D04-910472002	SMD resistor	4.7K 0603 ±1%	1		R5	
D_12	2	D04-950473001	SMD resistor	47K 0603 ±5%	1		R3	
D_13	2	D04-950015001	SMD resistor	100K 0603 ±5%	2		R14, R8	
D_14	2	D05-756019001	SMD Capacitor	104P/50V 0603 ±20% Y5V	8		C1, C5 ,C11 ,C12 ,C15 ,C2 ,C18 ,C19	
D_15	2	D05-742105001	SMD Capacitor	105P/50V 0603 ±10% X7R	2		C7, C8	
D_16	2	D05-752011002	SMD Capacitor	10uF/10V 0805 ±20%	3		C3, C4 ,C16	
D_17	2	D05-754220002	SMD Capacitor	22uF/25V 1206 ±20%	1		C6	

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D_18	2	D06-515400002	SMD inductor	15NH 0603 ±10% I=200mA Q>25	1		R11	
D_19	2	D07-200560005	Voltage-regulator	5.6V 1/2W 2% LL-34	1		ZD1	
D_20	2	D07-100000023	LED	LED 1206 Red	1		LED2	
D_21	2	D07-100000024	LED	LED 1206, blue	1		LED6	
D_22	2	D08-3BT390401	triode	MMBT3904 SOT-23 NPN β=100~300 IC=200MA	1		Q1	
D_23	2	D10-2RT9161CH	IC	RT9161 3.3V SOT-23	1		Q2	
D_24	2	D10-2AM8302CH	IC	amplifier IC PAM8302 MSOP-8	1		U3	
D_25	2	D10-1CT4054CH	IC	CHARGE LTC4054 SOT-25(800mA)	1		U1	
D_27	2	D23-1928AY001	Lithium-polymer	3.7V/330mAh P801928AY+PCM	1		BT1	
D_28	2	D20-A04060001	wire	6pin 80MM long	1			
D_01	2	D02-032103402	PCB	Doubel board, BH-1301A-2_V 1.0 FR4	1			
D_01	2	D02-032103404	swithc	TD-10UAC :6mm	3		S1 S2 S3	
D_01	2	D02-032103405	LED	Red and blue two color 3.3V	4		LED1 LED2 LED3 LED4	

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note