

## Revision History

NO. 序号	BOM Version 版本	Prepared by 拟制人	Content of Change 变更内容	Submit Date 提交日期	SCH Ver. 适用原理图版本
1	V1.0.0	杨康泉	首次创建	2020/7/27	V1.0.0
2	V1.0.1	杨康泉	增加U4和U5部分电路	2020/12/15	V1.0.1
3	V1.0.3	杨康泉	部分电容改NC	2021/6/30	V1.0.3
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## BOM OF EVB\_CBDM\_AK3760E\_V1.0.3 PCBA

序号 NO.	类别 Catalog	料号 Part Number	规格描述 Description	位号 Designator	数量 Quantity	备注 Remark
1	陶瓷电容	CC0301040XX	C/C,100nF,25V,+/-5%,0603	C1, C10, C12, C22, C24, C32, C43, C47, C52, C62, C64, C66, C70	13	
2	陶瓷电容	CC0304751XX	C/C,4.7uF,16V,+/-10%,0603	C2, C8, C42, C50, C53, C65	6	
3	陶瓷电容	CC0204751XX	C/C,4.7uF,10V,+/-10%,0402	C3, C6, C28, C49, C54, C57, C77	7	
4	陶瓷电容	CC0201040XX	C/C,100nF,25V,+/-5%,0402	C4, C7, C25, C31, C33, C38, C39, C41, C44, C55, C58, C61, C71, C72, C74, C78, C80, C81	18	
5	陶瓷电容	CC0204751XX	C/C,4.7uF,10V,+/-10%,0402	C5	0	
6	陶瓷电容	CC0301055XX	C/C,1uF,16V,+/-10%,0603	C9, C16, C19	3	
7	陶瓷电容	CC0301061XX	C/C,10uF,25V,+/-20%,0603	C11, C15, C17, C36, C46, C82	6	
8	陶瓷电容	CC0301010XX	C/C,100pF,25V,+/-5%,0603	C13, C14, C18	3	
9	陶瓷电容	CC0301000XX	C/C,10pF,25V,+/-5%,0603	C20	1	
10	陶瓷电容	CC0303300XX	C/C,33pF,25V,+/-5%,0603	C21	1	
11	陶瓷电容	CC0301040XX	C/C,100nF,25V,+/-5%,0603	C23, C29, C37	0	
12	陶瓷电容	CC0301032XX	C/C,10nF,50V,+/-10%,0603	C26	0	
13	陶瓷电容	CC0301020XX	C/C,1nF,25V,+/-5%,0603	C27	0	
14	陶瓷电容	CC0201040XX	C/C,100nF,25V,+/-5%,0402	C30, C73, C79	0	
15	陶瓷电容	CC0201020XX	C/C,1nF,25V,+/-5%,0402	C34	0	
16	陶瓷电容	CC0303300XX	C/C,33pF,25V,+/-5%,0603	C35	0	
17	陶瓷电容	CC0301061XX	C/C,10uF,25V,+/-20%,0603	C40	0	
18	陶瓷电容	CC0301064XX	C/C,10uF,6.3V,+/-20%,0603	C45, C75	2	
19	陶瓷电容	CC0201010XX	C/C,100pF,25V,+/-5%,0402	C48, C76	2	

20	陶瓷电容	CC0304751XX	C/C,4.7uF,16V,+/-10%,0603	C51, C56, C59, C60	0	
21	陶瓷电容	CC02012R0XX	C/C,12pF,25V,+/-5%,0402	C63, C67	0	
22	陶瓷电容	CC0302200XX	C/C,22pF,25V,+/-5%,0603	C68, C69	2	
23	Connector	CNBBM4000XX	0.5mm , BTB2*20Pin , SMT , 公座 , H3.0 , DF12#(3.0)-40DS-0.5	CON1, CON4	2	
24	Connector	CNBBM5000XX	0.5mm , BTB2*25Pin , SMT , 公座 , H3.0 , DF12#(3.0)-50DS-0.5	CON2, CON3	2	
25	二极管	DD32SCH04XX	1N5819_SOD123_1MM7X3MM85	D1	1	
26	ESD Protectors	ED0314000XX	PESD1608H140CR15GPT,0603	E1, E2	0	
27	贴片磁珠	BE0306011XX	BLM18BD601SN1, 600R@100MHz	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9	9	
28	贴片电感	WL1C04R70XX	4.7uH,SWPA3012S4R7MT	L1, L2, L3	3	
29	Microphone	MP4030941XX	MIC, PDM digital output, MSM261D4030H1CPM ,4mm×3mm×1mm	M1, M2	2	
30	Microphone	MP6015380XX	Panasonic MICROPHONE,φ6mm,H=2.7MM,38dB±2dB,2pin直插件	MIC1	1	
31	贴片电阻	CR0304720XX	Res,4.7K,1/10W,+/-5%,0603	R1, R2, R3, R19	4	
32	贴片电阻	CR0301010XX	Res,100R,1/10W,+/-5%,0603	R4	1	
33	贴片电阻	CR0301020XX	Res,1K,1/10W,+/-5%,0603	R5, R8	2	
34	贴片电阻	CR0312010XX	Res,1.2K,1/10W,+/-1%,0603	R6, R7	2	
35	贴片电阻	CR0333R00XX	Res,33R,1/10W,+/-1%,0603	R9, R15	2	
36	贴片电阻	CR0500000XX	Res,0R,1/8W,+/-5%,0805	R11, R12, R13, R43	4	
37	贴片电阻	CR0310020XX	Res,10K,1/10W,+/-1%,0603	R14, R16	2	
38	贴片电阻	CR0301020XX	Res,1K,1/10W,+/-5%,0603	R17	0	
39	贴片电阻	CR0300000XX	Res,0R,1/10W,+/-5%,0603	R18, R20, R21, R23, R25, R28, R30, R32, R33, R35	10	
40	贴片电阻	CR0300000XX	Res,0R,1/10W,+/-5%,0603	R22, R24, R26, R27, R29, R31, R34, R36, R38	0	
41	贴片电阻	CR0303030XX	Res,30K,1/10W,+/-5%,0603	R37	1	
42	贴片电阻	CR0500000XX	Res,0R,1/8W,+/-5%,0805	R39	0	
43	贴片电阻	CR0210030XX	Res,100K,1/16W,+/-1%,0402	R40, R44, R46	3	
44	贴片电阻	CR0201240XX	Res,120K,1/16W,+/-1%,0402	R41	1	
45	贴片电阻	CR0201140XX	贴片电阻 通用 res , 110k , 1/16W,+/-1%,0402 ;	R42	1	
46	贴片电阻	CR0220030XX	Res,200K,1/16W,+/-1%,0402	R45	1	

47	AK芯片		AK376xE_LQFP128_0MM4_16X16MM	U1	1	
48	集成电路	JCSOPAP03XX	IC : NOR Flash, Glga Device, GD25Q64ESIG, SOP8, 8MB, 3.3V	U2	1	
49	集成电路	JCDFNMC19XX	SPI-NAND FLASH,GigaDevice,GD5F1GQ5UEYIG,1Gbit SLC NAND Flash,2.7~3.6V,WS0N8.	U3	1	
50	集成电路	JCSXTPW60XX	PowerIC,PAM,PAM2312AABADJ,SOT23,5pin	U4, U5	2	
51	晶振	XR32K77S2XX	32.768K,CL=12.5pF,20ppm,MC146	X1	1	
52	晶振	XR24M00S4XX	24M,CL=10PF,+/-10ppm,3225	X2	1	
53	PCB	PBA37E6B2XX	PCB:EVB_CBDM_AK3760E_V1.0.1,4层, FR-4,1.6mm,沉金.		1	
54	PCBA	PAA37E6B41X	PCBA:EVB_CBDM_AK3760E_V1.0.3,4层,1.6mm.		0	
55	物料编号	11-02-1115	EVB_CBDM_AK3760E_V1.0.1 B版		0	
End						

说明：

- 1、数量一栏填写为0表示此行所指位号的器件不贴片
- 2、对于研发开发板（非产品板）中插件或者组装的不需要工厂生产的，备注栏统一标注“安凯自行组装”
- 3、有替代料或者需要裁减物料在对应备注栏注明料号和规格
- 4、特殊工艺要求在备注栏中说明，如焊盘不能上锡等
- 5、硬件工程师在向仓库申请PCBA板料号的同时需申请其对应编号，并将PCBA板的编号和料号体现在BOM表中
- 6、原则上BOM表和PCB文件任意一个文件有改动，则编号、PCBA板料号及PCBA板名称必须同时更新