

Template_Revision: V1.0.1 密级：秘密级

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	1.0.0	杨康泉	首次创建	2020/7/27	1.0.0
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BOM OF EVB_MBD_AK376xE_V1.0.0 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	Connector	CNBAF0000XX	CR1220-2, SMD 3V纽扣电池座子, 棕色	BT1	1	
2	陶瓷电容	CC0301040XX	C/C,100nF,25V,+/-5%,0603	C1, C3, C10, C17, C23, C27, C29, C30, C32, C33, C34, C37, C38, C40, C41, C42, C43, C45, C46, C47, C49, C55, C70, C77, C79, C81, C84	27	
3	钽电容	TC2802271XX	T/C,220uF,6.3V,+/-5%,3528	C2, C5, C11, C16, C18, C87	6	
4	陶瓷电容	CC0304750XX	C/C,4.7uF,25V,+/-5%,0603	C4, C9, C15, C22, C26, C31, C58, C60, C62, C64, C68, C71, C72, C82, C83, C85	16	
5	陶瓷电容	CC0301000XX	C/C,10pF,25V,+/-5%,0603	C6, C12, C19	3	
6	陶瓷电容	CC0301060XX	C/C,10uF,25V,+/-5%,0603	C7, C13, C20, C24, C28, C36, C39, C44, C50, C56, C59, C61, C63, C65, C69, C73, C88	17	
7	陶瓷电容	CC0301040XX	C/C,100nF,25V,+/-5%,0603	C8, C14, C21, C25, C35	0	
8	陶瓷电容	CC0301055XX	C/C,1uF,16V,+/-10%,0603	C48, C89	2	
9	陶瓷电容	CC0301800XX	C/C,18pF,25V,+/-5%,0603	C51, C54	2	
10	陶瓷电容	CC0301020XX	C/C,1nF,25V,+/-5%,0603	C52, C53	2	
11	陶瓷电容	CC1004760XX	C/C,47uF,10V,+/-10%,1210	C57, C76, C78, C80	4	
12	陶瓷电容	CC0601021XX	C/C,1nF,2KV,+/-10%,1206	C66, C67, C74, C75	4	
13	陶瓷电容	CC0304750XX	C/C,4.7uF,25V,+/-5%,0603	C86	0	
14	Connector	CNBBF4000XX	Connector 0.5mm, BTB2*20Pin, SMT, 母座, H3.0, DF12#(3.0)-40DP-0.5;	CON1, CON4, CON12, CON13, CON17	5	
15	Connector	CNBBF5000XX	Connector: 0.5mm, BTB2*25Pin, SMT, 母座, H3.0, DF12#(3.0)-50DP-0.5;	CON2, CON3	2	

16	Connector	CNDCF0302XX	小DC电源插座座,DS-002,电源插座3.5-1.3mm , 3PIN	CON5	1	
17	Connector	CNUSM0500XX	Micro USB, B type 5Pin/F SMT	CON6, CON10	2	
18	Connector	CNUSF0502XX	USB-1400-DIP,90 degrees	CON7	1	
19	Connector	CNRSF0900XX	RS232-DB9 CONNECTOR,Female,90 degrees	CON8	1	
20	Connector	CNCJF1300XX	TF CARD Connector,13PADS,外焊型 CKT01-009DM	CON9	1	
21	Connector	CNWAM0202XX	WaferConnector,Male,leyconn,605-0P-S130-02P,1.25mm,2pin	CON11	1	
22	Connector	CNXXF1200XX	NetConnector,06-05-10-05-02,6.5mmX16.5mm,2-LED,12pin	CON14, CON18	2	
23	Connector	CNBBF2000XX	Connector 0.5mm , BTB2*10Pin , SMT , 母座 , H3.0 , DF12#(3.0)-20DP-0.5;	CON15, CON16, CON19, CON20, CON21	5	
24	Connector	CNFPF3201XX	FPC连接器 , 32P , 0.5mm , 翻盖式 , 下接 , H=2mm	CON22	1	
25	Connector	CNFPF5001XX	连接器 FPC连接器 , 50P , 0.5mm , 翻盖式 , H=2mm	CON23	1	
26	Connector	CNHEF2001XX	Header,Female,CON10X2,2.0mm,20pin,排母	CON24	0	
27	Connector	CNHEM2000XX	Header,2X10pin,2.54mm,Male,排针	CON25	0	
28	Connector	CNHEM0600XX	Header,Male,CON1X6,2.54mm,6pin , 排针	CON26	0	
29	Connector	CNHEM0400XX	Header,1X4pin,2.54mm,Male , 排针	CON27, CON28, CON31	0	
30	Connector	CNHEF4601XX	CON2*20&2X1X3,2.54mm,Female , 排母	CON29	1	
31	Connector	CNHEF0300XX	Header,1X3pin,2.54mm,Female , 排母	CON30	0	
32	二极管	LE03RXX00XX	REDLED,0603	D1, D4	2	
33	稳压管	DD33ZEN68XX	Zener Diode,UDZS6.8B,6.8V,S0D-323	D2	1	
34	二极管	DD32SCH00XX	Schottky barrier,RB160M-40,SOD-123	D3	1	
35	二极管	LE03YXX00XX	YELLOW,LED0603	D5	1	
36	二极管	LE03GXX00XX	GREENLED,0603	D6	1	
37	二极管	LE03BXX00XX	BULELED,0603	D7	1	
38	ESD Protectors	ED0314000XX	PESD1608H140CR15GPT,0603	E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16, E19, E20, E25	0	
39	保险丝	SNSMDTS05XX	保险丝 , Littelfuse , 0437001.WRA , 1A ,1206	F1	1	
40	贴片磁珠	BE0503010XX	BEAD,PZ2012U301-1R5TF,300R,100MHz,0805	FB1, FB2, FB3, FB4, FB5, FB6, FB8, FB15, FB16, FB18, FB19, FB20, FB22, FB23, FB28	15	

41	贴片磁珠	BE0306011XX	BLM18BD601SN1, 600R@100MHz	FB7, FB9, FB10, FB11, FB12, FB25, FB26, FB27, FB13, FB14, FB17, FB21	12	
42	Connector	CNHEM0300XX	Header,1X3pin,2.54mm,Male , 排针	JP1, JP2, JP3, JP4, JP5	5	
43	按键	SWKS04001XX	KEY_4P_SMD_6X6MM	K1, K2, K3, K4, K5, K6, K7, K8, K9	9	
44	贴片电感	WL1C04R70XX	4.7uH,SWPA3012S4R7MT	L1, L2, L3	3	
45	MOS	MS052SW02XX	AO3415-sot23,E-P-CH,GP	Q1, Q2, Q3, Q7, Q8	5	
46	三极管	TR05NGN00XX	2N3904/PMBT3904,SOT-23,NPN,GP	Q4, Q6	2	
47	MOS	JCSXTPW62XX	NMOS,20V,±8V,6.5A,<34mΩ,VGS(th)>1V,SOT-23,AO3416.	Q5	1	
48	贴片电阻	CR0304720XX	Res,4.7K,1/10W,+/-5%,0603	R1, R5, R12	3	
49	贴片电阻	CR0350030XX	Res,500K,1/10W,+/-1%,0603	R2	1	
50	贴片电阻	CR0310030XX	Res,100K,1/10W,+/-1%,0603	R3, R8, R23, R122, R140	5	
51	贴片电阻	CR0201020XX	Res,1K,1/16W,+/-5%,0402	R4	1	
52	贴片电阻	CR0354930XX	Res,549K,1/10W,+/-1%,0603	R6, R9	2	
53	贴片电阻	CR0312030XX	Res,120K,1/10W,+/-1%,0603	R7, R11	2	
54	贴片电阻	CR0305110XX	Res,510R,1/10W,+/-5%,0603	R10	1	
55	贴片电阻	CR0310020XX	Res,10K,1/10W,+/-1%,0603	R29, R108, R124, R142	4	
56	贴片电阻			R13, R14, R15, R16, R17, R141 R18, R19, R87, R88, R89, R90, R106, R107	0	
57	贴片电阻	CR0302200XX	Res,22R,1/10W,+/-5%,0603	R20, R21, R22, R24, R25, R26, R28, R91, R93, R95, R97, R100, R102	13	
58	贴片电阻	CR0301020XX	Res,1K,1/10W,+/-5%,0603	R27, R31, R33, R34, R35, R86, R141	7	
59	贴片电阻	CR0333R00XX	Res,33R,1/10W,+/-1%,0603	R30	1	
60	贴片电阻	CR0312020XX	Res,12K,1/10W,+/-1%,0603	R32	1	

61	贴片电阻	CR0300000XX	Res,0R,1/10W,+/-5%,0603	R36, R37, R46, R47, R48, R49, R51, R52, R59, R60, R61, R62, R63, R64, R65, R68, R69, R70, R71, R74, R75, R77, R78, R79, R80, R92, R94, R96, R98, R99, R101, R103, R104, R105, R111, R112, R113, R117, R118, R119, R129	41	
62	贴片电阻			R125, R126, R127, R128, R130, R131, R132, R133, R134	0	

63	贴片电阻	CR0302211XX	Res,220R,1/10W,+/-1%,0603	R50, R58, R76, R81, R85	5	
64	贴片电阻	CR0307500XX	Res,75R,1/10W,+/-5%,0603	R66, R67, R83, R84	4	
65	贴片电阻	CR0304R70XX	Res,4.7R,1/10W,+/-5%,0603	R116	1	
66	贴片电阻	CR0310040XX	Res,1M,1/10W,+/-1%,0603	R123	1	
67	贴片电阻	CR0302221XX	Res,2.2K,1/10W,+/-1%,0603	R135	1	
68	贴片电阻	CR0333010XX	Res,3.3K,1/10W,+/-1%,0603	R136	1	
69	贴片电阻	CR0347010XX	Res,4.7K,1/10W,+/-1%,0603	R137	1	
70	贴片电阻	CR0308221XX	Res,8.2K,1/10W,+/-1%,0603	R138	1	
71	贴片电阻	CR0320020XX	Res,20K,1/10W,+/-1%,0603	R139	1	
72	开关	SWPB06000XX	PSB-2201,6pin,Lockable	SW1	1	
73	集成电路	JCSXTPW60XX	PowerIC,PAM,PAM2312AABADJ,SOT23,5pin	U1, U2, U3	3	
74	集成电路	JCSXTPW61XX	PowerIC,Leadchip,LC1463CB5,ATR18,SOT23,5pin	U4	1	
75	集成电路	JCSXPIX01XX	3.0V to 5.5V,RS232 TX,RX,IC MAX3232CSE,SOP16	U5	1	
76	集成电路	JCQFPIX00XX	InterfaceIC,FTDI Chip,FT232HL,48pin,LQFP	U6	1	
77	集成电路	JCSXPAP01XX	Power Amp,TCS,TCS7191E_SOP8_0MM65_3X5MM	U7	1	
78	晶振	XR0012MS1XX	QR3O12M0000S2012RO,12.000MHz, 12pF,20ppm,3.2mm*2.5mm	Y1	1	
79	PCB	PBEVBD0A1XX	PCB: EVB_MBD_AK376xE_V1.0.0,4层,FR-4,2.0mm,沉金.		1	
80	PCBA	PAEVBD0A11X	PCBA,EVB_MBD_AK376xE_V1.0.0,4层,2.0mm.		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