



Title		
Size	Number	Revision
A2		
Date:	2018/4/4	Sheet: 01
File:	E:\开发板原理图\OpenAim\Imi_SchDoc	Drawn By:

Bill of Materials

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Source Data From: OpenArm3in1.PrjPCB
Project: OpenArm3in1.PrjPCB
Variant: None

Creation Date: 2018/4/4 10:22:43
Print Date: 43194 43194.43251

Footprint	Comment	LibRef	Designator	Description	Quantity
HDR1X3	Header 3	Header 3	1, 2, 3, 4, 5, 6	Header, 3-Pin	6
0603C-1	103	CAP	C1	Capacitor	1
0603C-1	104	CAP	C2, C3, C4, C5, C6, C9, C10, C13, C16, C17, C18, C19, C20, C21, C22	Capacitor	15
0603C-1	106	CAP	C7, C11	Capacitor	2
CE1_SMT	220uF	CAPACITOR	C8, C12	Capacitor Capacitor16V耐压	2
0603C-1	22P	POL	C14, C15	Capacitor	2
7227D	Diode	Diode	D1, D2	SS34	2
1206R	Fuse 1	Fuse 1	F1, F2, F3, F4, F5, F6	Fuse 1.5A	6
SMT_LED0603	LED	LED	LED1, LED2, LED3, LED4	红色, 蓝色, 红色, 红色	4
ME-020-50802	Power	Header 2	P1	蓝色电源座	1
HDR1X3	MP3_fix	Header 3	P2	Header, 3-Pin	1
HDR2X3_CEN	MP3_fix	Header 3X2A	P3	Header, 3-Pin, Dual row	1
HDR1X20	Header 20	Header 20	P4, P6, P14, P15, P16, P17	Header, 20-Pin	6
HDR2X3_CEN	Header 3X2A	Header 3X2A	P8, P20	Header, 3-Pin, Dual row	2
HDR-2921613	Header 3	Header 3	P9, P12	Header, 3-Pin	2
HDR-5264	Header 3	Header 3	P10, P13	Header, 3-Pin	2
PS2-2	PS2	Header 9	P11	Header, 9-Pin	1
HDR1X2	Header 2	Header 2	P18, P19	Header, 2-Pin	2
HDR1X4	Header 4	Header 4	P21	Header, 4-Pin	1
sot-23	8050	NPN	Q1	NPN Transistor	1
0603R-1	1K	RES2	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R17, R19, R20		18
0603R-1	10K	RES2	R16		1
0603R-1	10R	RES2	R18		1
SW-7	SW-PB	SW-PB	S1, S3, S4	白色按键	3
SS-22F06	SW DPDT	SW DPDT	S2	双刀双掷开关	1
SOP-16	CH340C	CH340G	U1		1
SPEAKER	BUZZER	BUZZER	U2	Buzzer	1
SOIC-8	W25Q64	W25X16	U3	W25X16;SST25VF016;MX25L1605	1
SOT-223	AMS1117-3.3	AMS1117	U4		1
SOT-223	AMS1117-5.0	AMS1117	U5		1
SOP-14	74HC126D	74HC126D	U6		1
LQFP-64	STM32F103RBT6	STM32F103RDT6	U7	ST High-density performance line ARM-based 32-bit MCU with 256 to 512KB Flash, 64KB SRAM, 2 UARTs, 2 I2C, 1 USB, CAN, 11 timers, 3 ADCs, 13 communication interfaces	1
LQFP32	STC15W4K16S4_LQFP32	STC15W4K60S4_LQFP32	U8		1
USB/SM0.8-6H5	USB	USB	USB1		1
CRY7	8M	CRYSTAL_3	Y1	Crystal 4 X 2.5 mm 3-pin	1

Approved	Notes