

Bill of Materials					
Bill of Materials for Schematic Document [pathfinder_sch.SchDoc]					
Source Data From: pathfinder_sch.SchDoc					
Project: Pathfinder_pcb.PrjPcb					
Variant: None					
Creation Date: 2022/3/13 14:04					
Print Date: 13-Mar-22 2:05:01 PM					
Footprint	Comment	LibRef	Designator	Description	Quantity
BUZ-	GSC9045YB-	GSC9045YB-	B1	无源蜂鸣器	1
0603-JLC	0.01uF		C1	C0603	1
SMD.6.3x5.3	220uF/16V	SMD_ECAP	C2	6.3*5.3mm铝电解电容	1
SMD.6.3x5.8	220uF/25V	CAP铝钎	C3	贴片铝电解电容SMD.6.3x5.8mm	1
SMD.6.3x5.3	100uF/16V	SMD_ECAP	C4, C6, C9, C15	6.3*5.3mm铝电解电容	4
0603-JLC	104	Cap, C_Dup3,	C5, C8, C11, C12, C13, C16, C18, C19,	C0603	46
0603-JLC	1uF	Cap	C7, C10, C14, C17, C42, C44, C49	C0603	7
0603-JLC	20pF	Cap	C46, C47, C48, C50, C53, C62	C0603	6
HDR1X6	VL53L0X	VL53L0X	CN1, CN2, CN3, CN4, CN5, CN6, CN7,	带针单排母座2.54mm 6P	9
CONN-	BAT_2P	XT60PW-M	CN10	板面卧式 XT60PW-M	1
CONN-	BAT_4P	Header 4	CN11	卧式XH2.54 4P	1
CONN-	Charge	Header 4	CN12	卧式XH2.54 4P	1
CONN-	Motor1	Motor	CN13	卧式XH2.54 6P	1
HDR1X10	MPU9250	MPU6050	CN14	直针单排母座 10P	1
CONN-	Motor2	Motor	CN15	卧式XH2.54 6P	1
HDR1X4	Bluetooth	Header 4	CN16, CN19	直针单排母座 4P	2
TYPE-C-	TYPE-C	TYPE-C	CN17, CN20	立式Type-C母座14pin	2
HDR1X4	OLED	Header 4	CN18	直针单排母座 4P	1
SMA(DO-	SMAJ15A	DIODE ZENER	D1	单向TVS管	1
SMA(DO-	SS34	DIODE	D2, D3, D5, D6, D7, D8, D10	肖特基二极管	7
SMA(DO-	SMAJ15CA	TVS	D4, D9	双向TVS管	2
LED	RGB5050	RGB5050	D11	5050X1珠	1
0603LED	LED	LED3	D12, D14, D15, D16, D17	0603白色LED	5
1206	1N4148	DIODE	D13	Diode	1
SW-6/6	KEY_POWER	SW DPST	K1	贴片轻触开关	1
SW-6/6	KEY_RST	SW DPST	K2	贴片轻触开关	1
SW-6/6	KEY_RESET	SW DPST	K3	贴片轻触开关	1
SW-6/6	KEY_MODE	SW DPST	K4	贴片轻触开关	1
IND-	15uH	L	L1	一体成型功率电感	1
HDR1X4	ST_SWD	Header 4	P1	Header, 4-Pin	1
HDR1X6	PICK13	Header 6	P2	Header, 6-Pin	1
TO-252-3L	RU3560L	IRFR1205	Q1, Q2, Q3, Q4, Q6, Q7, Q8, Q9	NMOSFET	8
TO-252-	IPD034N06N3 G	IRFR1205	Q5	NMOSFET	1
0603-JLC	1K	Res2	R1, R3, R5, R8, R10, R13, R15, R17,	R0603	11
0603-JLC	10K	Res2, RES	R2, R4, R6, R7, R9, R11, R14, R16, R18,	R0603	29
0603-JLC	3.24k	RES	R12	R0603	1
0603-JLC	33R	Res2	R20, R21, R24, R25, R29, R30, R34, R35	R0603	8
0603-JLC	50R	Res2	R26	R0603	1
0603-JLC	10K/NC	Res2	R28, R55	R0603	2
0603-JLC	2K	Res2	R37, R38, R39	R0603	3
0603-JLC	1.5K	Res2	R41, R48	R0603	2
0603-JLC	0R/NC	Res2	R42	R0603	1
0603-JLC	200R	Res2	R43, R46, R49	R0603	3
0603-JLC	470R	Res2	R44	R0603	1
0603-JLC	1.5K/NC	Res2	R45	R0603	1
0603-JLC	22R	Res2	R50, R51	R0603	2
0603-JLC	51R	Res2	R52	R0603	1
0603-JLC	100R	Res2	R58, R59, R60, R61, R62, R63, R64, R66,	R0603	9
0603-JLC	1MΩ	Res2	R67, R77	R0603	2
0603-JLC	220R	Res2	R68, R69, R70	R0603	3
SOT-23	SS8050	2N3904	T1, T3	PNP三极管	2
SOT-23	SS8550	PNP	T2	PNP三极管	1
SOP_8	OPA2350	OPA2350	U1, U3	两路运放芯片	2
SOIC-8, L5.0	TPS5430DDAR	TPS5430DDAR	U2	DCDC降压芯片	1
EQFP144_L	EP4ACE6E22C8	EP4ACE6E22C8	U4	FPGA	1
SOT223	1117-1.2	1117-3.3	U5	线性稳压1.2V	1
SOT223	1117-3.3	1117-3.3	U6, U8	线性稳压3.3V	2
HIP4082b	HIP4082	HIP4082	U7, U11	H桥驱动芯片	2
SOT-23-	EC190707	EC190707	U9	电子开关芯片	1
SOIC-	M25P16	M25P16	U10	FLASH存储芯片	1
SOT223	1117-2.5	1117-3.3	U12	线性稳压2.5V	1
LQFP-	GD32F450VIT6	GD32F450VIT6	U13	单片机	1
ME6212C3	ME6212C3M5	ME6212C3M5	U14	线性稳压3.3V	1
SSOP-	PIC18F14K50-	PIC18F14K50-	U15	单片机	1
STM32F103C	STM32F103C8T	STM32F103C8T	U16	单片机	1
SMD-	50MHz	50MHz有源晶振	X1	贴片有源晶振	1
HC-	12MHz	12Mhz	Y1	贴片无源晶振	1
3225	8MHz	XTAL	Y2	贴片无源晶振	1
3225	8M	XTAL	Y3	贴片无源晶振	1
Approved					223
Notes					