

SPL06气压计

AK8975磁力计

ICM20602陀螺仪

陀螺仪恒温

SD卡

USB

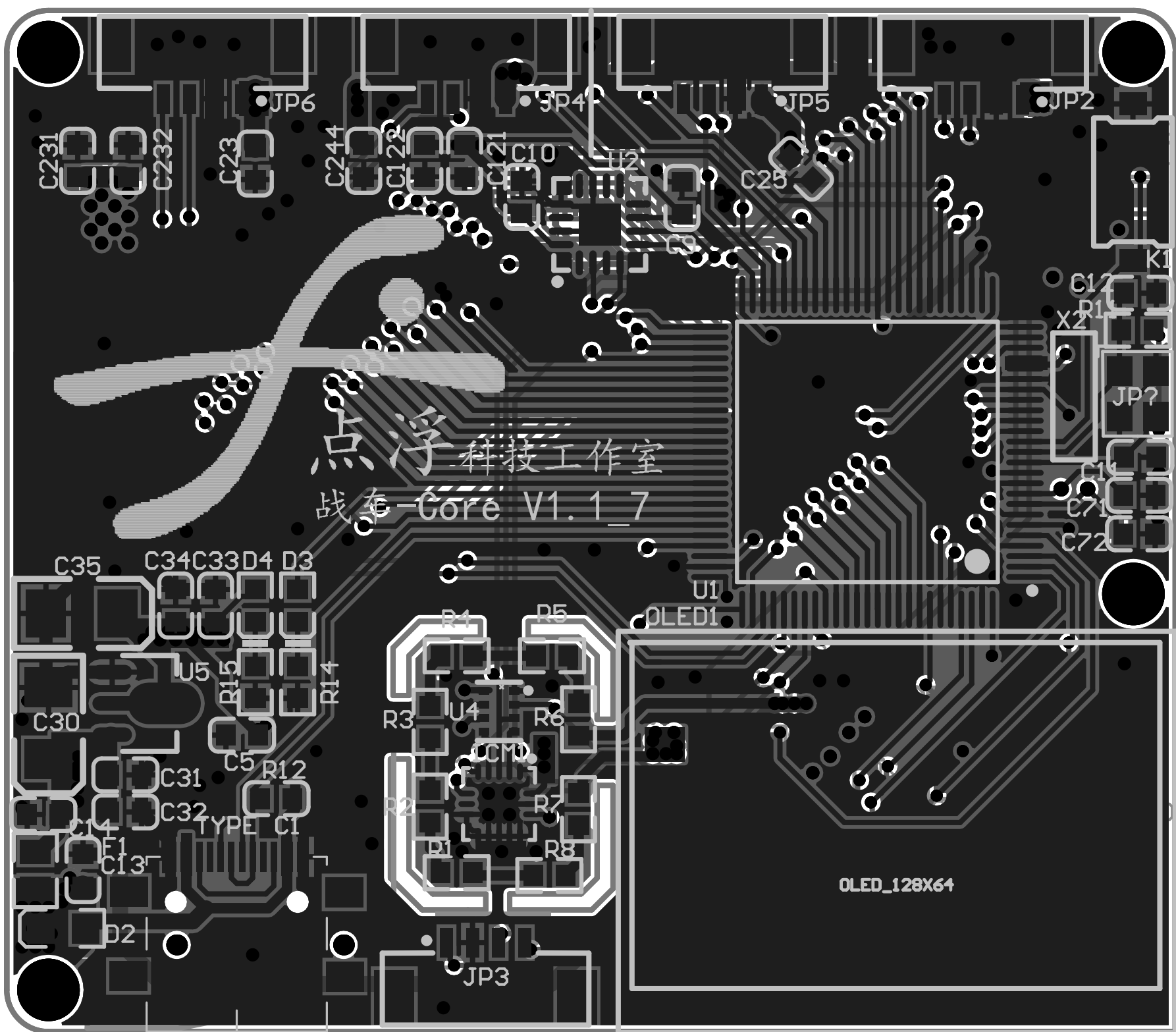
SWD

OLED

USART/IIC

fpc

Title		
Rev	Number	Revision
A1	1	
File	P:\PCB\MainBoard\MainBoard.kicad_pcb	Drawn By



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	Capacitor	C1, C4, C24, C31, C33, C36, C37, C41, C42	LC-0603_C	Cap	9
0.1uF	Capacitor	C2, C3, C5, C6, C7, C8, C9, C10, C15, C16, C17, C18, C19, C20, C21, C32, C34, C211, C215, C216, C217, C218	LC-0603_C	Cap	22
22pf	Capacitor	C11	LC-0603_C	Cap	1
22P	Capacitor	C12	LC-0603_C	Cap	1
104	Capacitor	C13, C14, C22, C23, C25, C121, C122, C231, C232, C244	LC-0603_C	CAP	10
10V100UF	Capacitor	C30	3528	CAPACITOR POL	1
6.3V 220uF	Capacitor	C35	3528	CAPACITOR POL	1
2.2uf	[NoValue], Capacitor	C38, C40, C.1, C.2	LC-0603_C	2.2uf, Cap	4
1uf		C39	LC-0603_C	1uf	1
15PF		C71, C72	LC-0603_C	CAP	2
S4	Diode	D2	C0805	DIODE	1
LED		D3, D4	LC-0603_LED_S1	LED	2
1.1A 6V	Fuse	F1	LC-0805_R	FUSE1	1
ICM20602		ICM1	LC-LGA-16_3x3mm	Component_1	1
CON24	Connector	J1	FPC0.5-24	CON24	1
CON40	Connector	J?	FPC0.5-40	CON40	1
HEADER 4		JP2, JP3, JP4, JP5, JP6	GH1.25 - 4Pin	HEADER 4	5
HEADER 2X2		JP?	3225-4P	HEADER 2X2	1
SW-PB	Switch	K1	KEY-3*6	SW-PB	1
QG-2864KLBEG01		OLED1	OLED-0.96	QG-2864KLBEG01	1
SI2306		Q1	SOT-23	MOSFET N	1
10K	Resistor	R0, R10, R13	LC-0603_R	Res2	3
4.7R		R1, R2, R3, R4, R5, R6, R7, R8	LC-0603_R	RES2	8
100R		R9	LC-0603_R	RES2	1
1M	Resistor	R11	LC-0603_R	Res2	1
10k		R12	LC-0603_C	R	1
5.1K		R14, R15	LC-0603_R	R	2
0		R17	LC-0603_R	0	1
1K	Resistor	R18, R20	LC-0603_R	Res2	2
560K		R19	LC-0603_R	560K	1
4.7K		R21, R22	LC-0603_R	4.7K	2
4.7uh	Resistor	R111	LC-0603_R	Res2	1
USB		TYPE C1	TYPE C-16P -TP	16PIN	1
STM32F407VET6		U1	LC-LQFP-100_14x14x05P	STM32F407VET6	1
AK8975		U2	LC-QFN-16_4x4x065P	AK8975	1
MICRO SD卡座		U3	micro SD	MICRO SD卡座	1
SPL06-007		U4	SENSOR-SMD SPL06-007	SPL06-007	1
AMS1117_3.3		U5	LC-SOT-89(SOT-89-3)	AMS1117	1
32.768K	Crystal Oscillator	X2	2*6圆柱直插1	XTAL_SMD	1