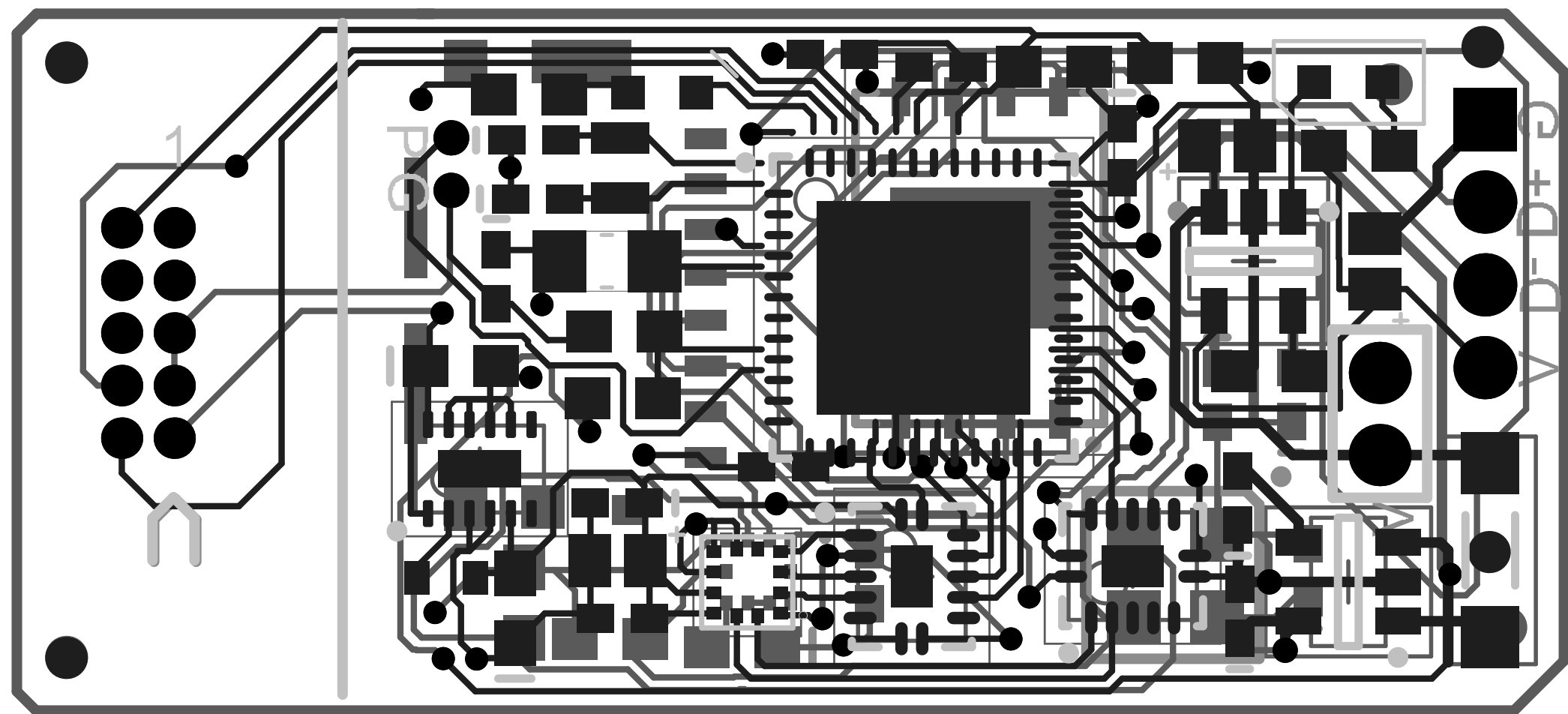


Title			
TTFT2			
Size	Number	Revision	
A3	Loggerhead Instruments	0.1	
Date:	12/10/2022	Sheet of 2	
File:	C:\w\TTFT2\TTFT2\TTFT2.SchDoc	Drawn By: D Mamm	



Comment	Description	Designator	Footprint	LibRef	Quantity
XTAL_ABS06		*1	XTAL-ABS06	XTAL_ABS06	1
Reed_MK24		*2	Reed MK24-B-3	Reed_MK24	1
22.5pF	Ceramic Chip Capacitor - Standard	C1, C2	0402	C0402	2
1.0uF	Ceramic Chip Capacitor - Standard	C3, C10, C11	0402	C0402	3
10nF	Ceramic Chip Capacitor - Standard	C4, C12	0402	C0402	2
0.1uF	Ceramic Chip Capacitor - Standard	C5, C6, C7, C20	0402	C0402	4
0.1 uF	Ceramic Chip Capacitor - Standard	C8, C9	0402	C0402	2
C0603	Ceramic Chip Capacitor - Standard	C13, C16, C21	0603	C0603	3
1uF		C14, C15	Tant0805	Tant0805	2
100nF	Ceramic Chip Capacitor - Standard	C17, C19	0402	C0402	2
10uF		C18	Tant0805	Tant0805	1
LED_0603		D3, D4	Diode0603	LED_0603	2
3000hm	Ferrite 25mOhm@DC, 60 Ohm@100MHz	L1	0805 (M2125) Ferrite	Ferrite 0805(M2125) 3A	1
2.2uH		L5	Inductor KLZ1608AHR	Inductor KLZ1608	1
microSD		P1	Molex microSD	microSD Molex tiny	1
1x2 1.27mm		P2	Header1x2 1.27mm	Header 1x2 1.27mm	1
Cortex Debug		P4	Header_2x5_50mil	CortexDebug	1
HDR_4x1_2mm		P5	Hdr_4x1_2mm	HDR_4x1_2mm	1
HDR_2x1_2mm		P6	HDR_2x1_2mm	HDR_2x1_2mm	1
10K	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R1	3-0603	ERJ3RK	1
100k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R2, R3	3-0603	ERJ3RK	2
Do not place	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R4	3-0603	ERJ3RK	1
2k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R5	3-0603	ERJ3RK	1
330X	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R6, R7	3-0603	ERJ3RK	2
4.7k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R8, R9	3-0603	ERJ3RK	2
ATSAMD21GA-MUT		U1	QFN127P600-8N	ATSAMD21G18	1
LP3985IM5-3.3	Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator, 5-pin SOT-23	U2, U4	MF05A_N	LP3985IM5-3.3	2
W25Q256JVEIQ_TR	Ic Flash 256mbit 104mhz 8wson	U3	*SON127P800X600X8 0-9N	W25Q256JVEIQ_TR	1
TPS62740		U5	TPS6274x	TPS6274x	1
MCP73831T-2DCI/OT	Miniature Single-Cell, Fully Integrated Li-Ion, Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel	U6	SOT-23-OT5_N	MCP73831T-2DCI/OT	1
LIS2DS12		U7	LGA-12	LIS2DS12	1
Level Shifter	Voltage level translator	U8, U9	DHVQFN14	NTB0104	2
MS5837	Pressure/Temp	U10	MS5837	MS5837	1
MMC33160MT		U11	MMC33160MT	MMC33160MT	1