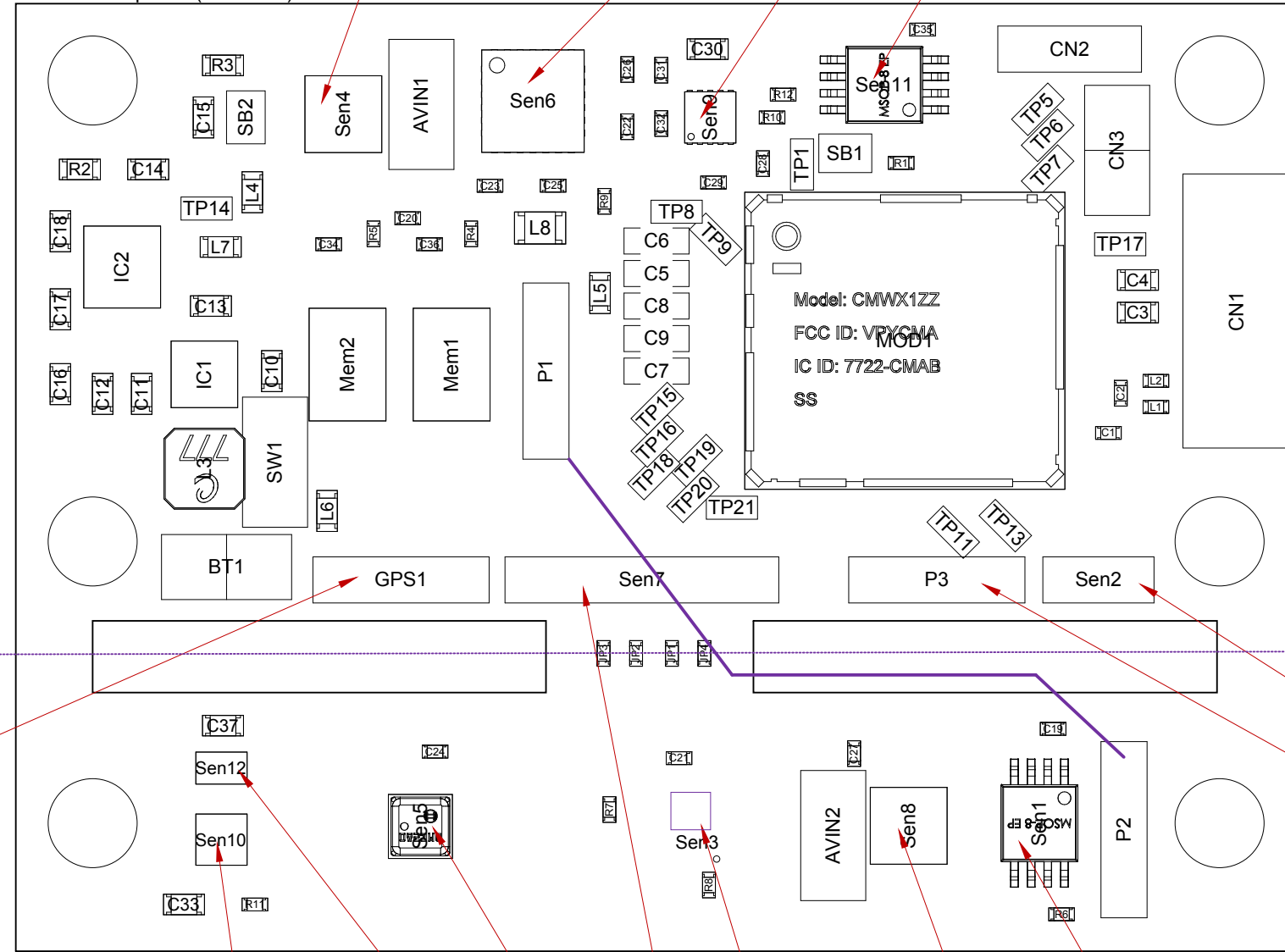


View from Top side (Scale 4:1)



UART for GNSS module

Cut here to separate

UART2/ADC

I2C

Ambient light UV

rH, T, p

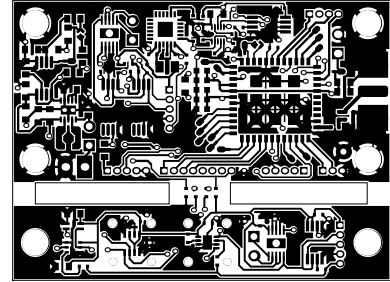
SPI, Timer, DAC, ADC

rH, T

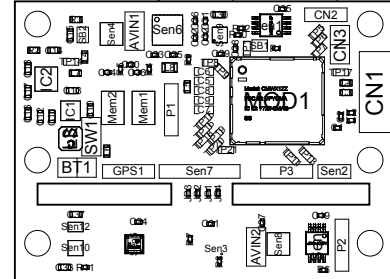
rH, T

Temperature

Top Layer (Scale 1:1)



View from Top side (Scale 1:1)



Bill Of Materials

Line #	Designator	Comment	Quantity
1	AVIN1, AVIN2, SW1	Header 2	3
2	BT1	Battery	1
3	C1, C2		2
4	C3, C5, C7	10µF	3
5	C4, C6, C9	100nF	3
6	C8	1µF	1
7	C10, C11, C12	cap	3
8	C13	cap	1
9	C14	C0603	1
10	C15, C16	C0603	2
11	C17, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C31, C32, C34, C35, C36	C0603	17
12	C18	C0603	1
13	C30	C0603	1
14	C33, C37	C0603	2
15	CN1	SMA	1
16	CN2	Header 4	1
17	CN3	External 3V3	1
18	GPS1, P1, P2, P3	Header 5	4
19	IC1	TPS63031DSKT	1
20	IC2	TPS7A4901DGNT	1
21	JP1, JP2, JP3, JP4	Res2	4
22	L1, L2		2
23	L3	Inductor	1
24	L4, L5, L6, L7	BLM...	4
25	L8	Res2	1
26	Mem1, Mem2	M24M0x	2
27	MOD1	LRA Module Murata	1
28	R1	Res2	1
29	R2	Res2	1
30	R3	Res2	1
31	R4, R5, R6, R7, R8, R9, R10, R11, R12	Res2	9
32	SB1, SB2	Circuit Breaker	2
33	Sen1, Sen11	TMP75BIDGKT	2
34	Sen2	Header 3	1
35	Sen3	SHT31-DIS-B	1
36	Sen4, Sen8	SI7013-A20	2
37	Sen5	BME280	1
38	Sen6	MPU-6050	1
39	Sen7	MHDR1X8	1
40	Sen9	MAG3110FCR1	1
41	Sen10	VEML6030-GS15	1
42	Sen12	VEML6075	1
43	TP1	TCXO	1
44	TP5, TP6, TP7, TP8, TP9, TP11, TP13, TP15, TP16, TP18, TP19, TP20, TP21		13
45	TP14	2V9	1
46	TP17	3V3	1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE		
		DIMENSIONS ARE IN INCHES		DRAWN	19.4.2018		
		TOLERANCES:		CHECKED		TITLE	
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.
		MATERIAL					
NEXT ASSY	USED ON	FINISH					
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:
							SHEET 1 OF 1