

## Bill Of Materials

Line #	Designator	Name	Quantity
1	R15	0 Ohm	1
2	C2, C4, C5, C6, C7, C9, C10	0.1uF / 50V	7
3	C12	0.22uF	1
4	R13, R16	1k	2
5	C8, C13	1uF / 50V	2
6	L1	1uH 800mA	1
7	HDR1	2x20 GPIO F HDR	1
8	R1, R2	2.74k	2
9	MIC1	3.0 Vdc	1
10	D1	3.6V 0.5W	1
11	R3, R4, R6, R11, R14, R17, R18	10k 1%	7
12	C3, C11	10uF 16V	2
13	R10	16R9	1
14	C1	22uF	1
15	R7, R8, R9	56k	3
16	R12	84R5	1
17	R19, R20	100k	2
18	R21, R22, R23	220 Ohm	3
19	C14, C15	220pF	2
20	R5	536R	1
21	U4	ADS1115 16Bit	1
22	D4	BLUE	1
23	U2	BME-280	1
24	U5	CLASS D AMP	1
25	FB1, FB2	Ferrite Bead 1.5k 500mA	2
26	D3	GREEN	1
27	U6	LM358	1
28	U3	MICS-6814	1
29	D2	RED	1
30	JP1	Speaker Jumper	1
31	U1	VCNL-4010	1

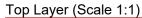
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE		NAA C.	aaut Manitauina at	ς Λ: <sub>**</sub> Ο	ماناه ،
		DIMENSIONS ARE IN MM TOLERANCES: 0.01 MM	DRAWN	C. A.	25/03/2020	<i>'</i>	SIVIAQ -SII	nart Monitoring of	Air Qu	ality
		FRACTIONAL±	CHECKED	C. A.	25/03/2020	TITLE				
		ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ±	ENG APPR.	TEAM 7	26/03/2020	(	SMAO	- BOM and	d L av	or.
			MFG APPR.	TEAM 7	26/03/2020			Stāck	Lay	Ci
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.	TEAM 7	26/03/2020			Stack		
			COMMENTS:							
		MATERIAL FR-4 BOARD				SIZE	DWG. NO.			
NEXT ASSY	USED ON	FINISH  Electroless Tinning				В		BOMLYR-1		
APPLIC	ATION	DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT: N.M.	SHEE	ET 2 OF 5

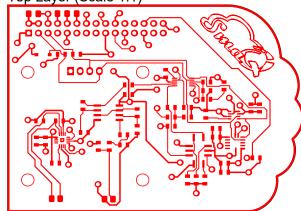
D

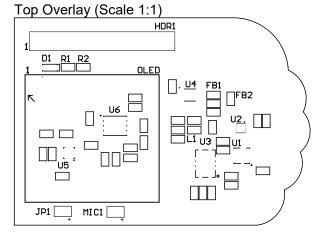
2

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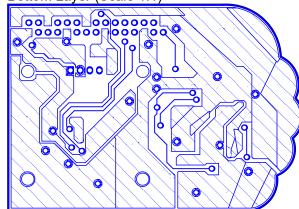




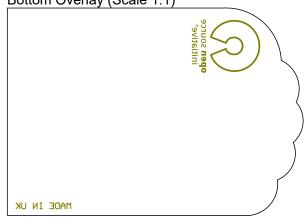


Top Layer (Scale 1:1)

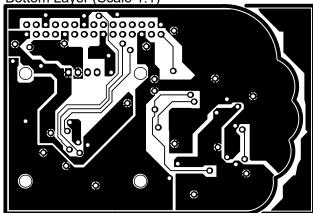
## Bottom Layer (Scale 1:1)



Bottom Overlay (Scale 1:1)

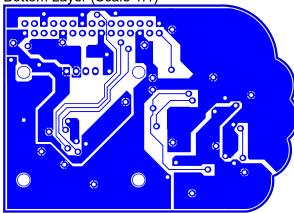


Bottom Layer (Scale 1:1)



Bottom Layer (Scale 1:1)

2



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			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
			DIMENSIONS ARE IN MM TOLERANCES: 0.01 MM	DRAWN	C. A.	25/03/2020	
			FRACTIONAL±	CHECKED	C. A.	25/03/2020	TITLE
			ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ±	ENG APPR.	TEAM 7	26/03/2020	
			THREE PLACE DECIMAL ±	MFG APPR.	TEAM 7	26/03/2020	3
s			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.	TEAM 7	26/03/2020	
				COMMENTS:			
0			MATERIAL FR-4 BOARD				SIZE
	NEVT ACCV	LICED ON	FINISH				В
	NEXT ASSY	USED ON	Flectroless Tinning				

DO NOT SCALE DRAWING

SMAQ -Smart Monitoring of Air Quality

TIE

SMAQ - Fabrication Views

SIZE	DWG. NO.				
В	FBRVW-1				
SCALE:	1:1	WEIGHT: N.M.	SHE	ET 3 OF 5	

Α

В

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APPLICATION

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