

DATE	REV	ENGINEER	COMMENT
23 APR 2020	1.0	E. CHIU	INITIAL RELEASE
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1. FINISH: HASL
2. SOLDERMASK: BLUE
3. SILKSCREEN: WHITE
4. 6MIL TRACE/6MIL SPACE
5. MINIMUM DRILL 12MIL
6. ELECTRICAL TEST

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.79mil	3.5	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	7.24mil	4.2	
5	Internal Plane 1	Copper	1.40mil		
6	Dielectric 3		38.98mil	4.2	
7	Internal Plane 2	Copper	1.40mil		
8	Dielectric 4	FR-4	7.24mil	4.2	
9	Bottom Layer	Copper	1.40mil		
10	Bottom Solder	Solder Resist	0.79mil	3.5	
11	Bottom Overlay				

1. LEAD-FREE SOLDER
2. IPC-A-610 CLASS 2 ASSEMBLY
3. COMPONENTS ON TOP SIDE ONLY

Symbol	Count	Hole Size	Hole Length	Routed Path Length	Plated	Hole Type
■	3	39.37mil (1.000mm)	-	-	PTH	Round
●	3	64.96mil (1.650mm)	-	-	PTH	Round
⊛	3	39.37mil (1.000mm)	62.99mil (1.600mm)	23.62mil (0.600mm)	PTH	Slat
⊙	3	118.11mil (3.000mm)	-	-	PTH	Round
▽	4	108.27mil (2.750mm)	-	-	PTH	Round
□	4	160.00mil (3.810mm)	-	-	PTH	Round
◇	7	43.31mil (1.100mm)	-	-	NPTH	Round
⊗	29	35.43mil (0.900mm)	-	-	PTH	Round
○	116	35.43mil (0.900mm)	-	-	PTH	Round
⊗	166	12.00mil (0.305mm)	-	-	PTH	Round
336 Total						

Box definitions - Routed Path Length = calculated from top start center position to top end center position.  
Hole Length = Routed Path Length + Tool Size + Slot length as defined in the PCB layout.

RespiraWorks Address 1	ENGINEER: E. CHIU	TITLE:  PCB TITLE	
	PCB DESIGNER: E. CHIU		
	DATE: 4/23/2020	PART NO.: PCB PN	REV: *
	FILE NAME: RespiraWorks Ventilator Rev	DWG NO.: 1_PcbDoc	SCALE:

