

SENSOR		CIRCUIT					
Gas	Sensitivity (nA/ppm)	Range (ppm)	Bias			TIA Gain	
			BIAS +/-**	Setpoint (mV)	R2 (Ω)	Setpoint (kV/A)	R6 (Ω)*
CO	4.75 ± 2.75	1000	+	3	2 k	100	100 k
H2S	200 ± 100	50	+	3	2 k	49.9	49.9 k
NO2	-30 ± 5	20	-	25	16.2 k	499	499 k
SO2	30 ± 5	20	+	200	143 k	100	100 k
O3	-20 ± 10	20	-	25	16.2 k	499	499 k
ETOH	14 ± 5	1000	+	100	69.8 k	249	249 k
IAQ			+	150	105 k	100	100 k
RESP			-	200	143 k	499	499 k

* If using potentiometer (R7), the gain of the transimpedance amplifier is (R6 + R7) V/A

** Populate the BIAS area with 0603 0.0 Ω jumpers according to the images below:

