Voltage sense circuit

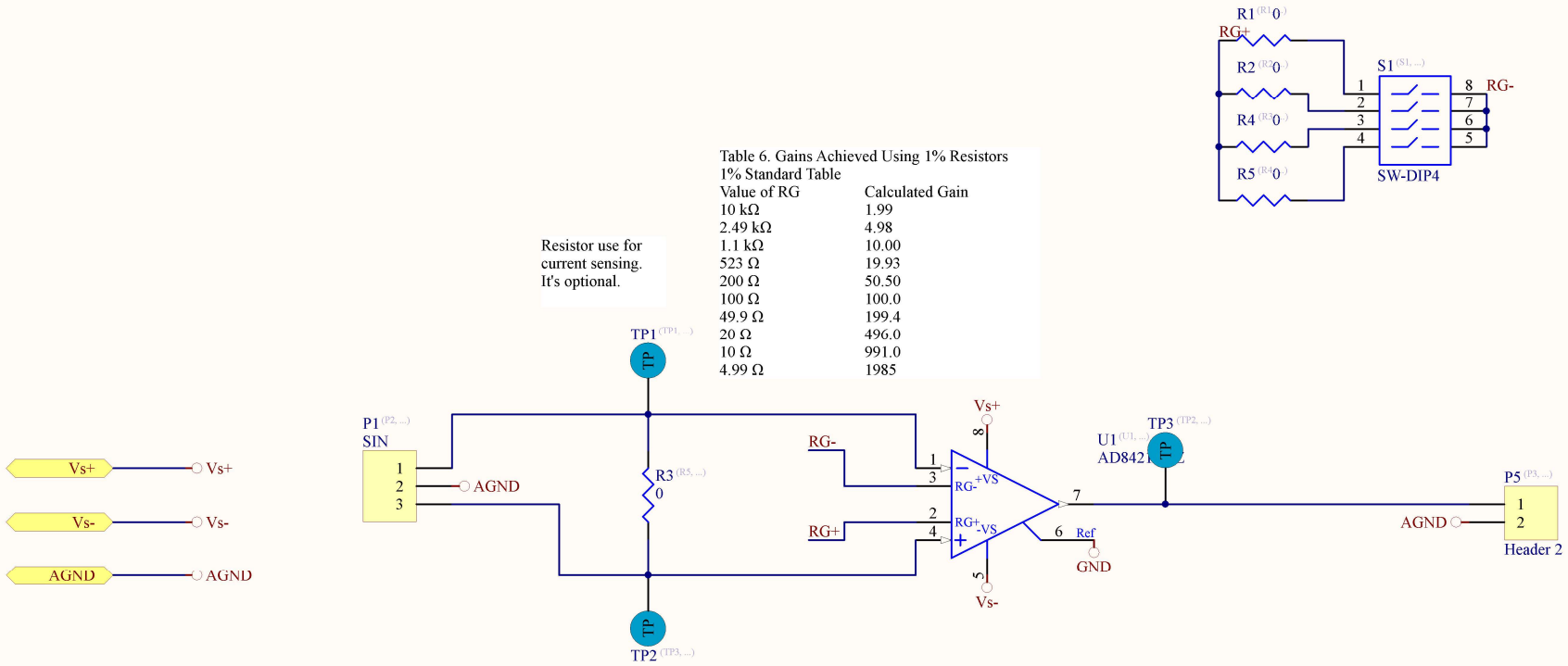
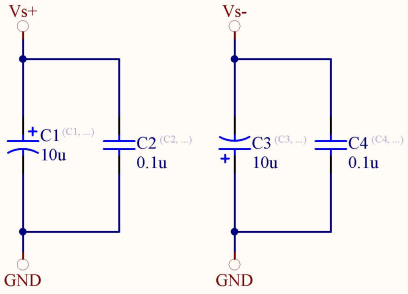


Table 6. Gains Achieved Using 1% Resistors

1% Standard Table

Value of RG	Calculated Gain
10 kΩ	1.99
2.49 kΩ	4.98
1.1 kΩ	10.00
523 Ω	19.93
200 Ω	50.50
100 Ω	100.0
49.9 Ω	199.4
20 Ω	496.0
10 Ω	991.0
4.99 Ω	1985



Place a 0.1 µF capacitor as close as possible to each supply pin. ecause the length of the bypass capacitor leads is critical at high frequency, surface-mount capacitors are recommended. Any parasitic inductance in the bypass ground trace works against the low impedance that is created by the bypass capacitor. As shown in Figure 64, a 10 µF capacitor can be used farther away from the device

Title Voltage sense circuit		Research Centre for Biomedical Engineering Northampton Square EC1V 0HB London United Kingdom
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