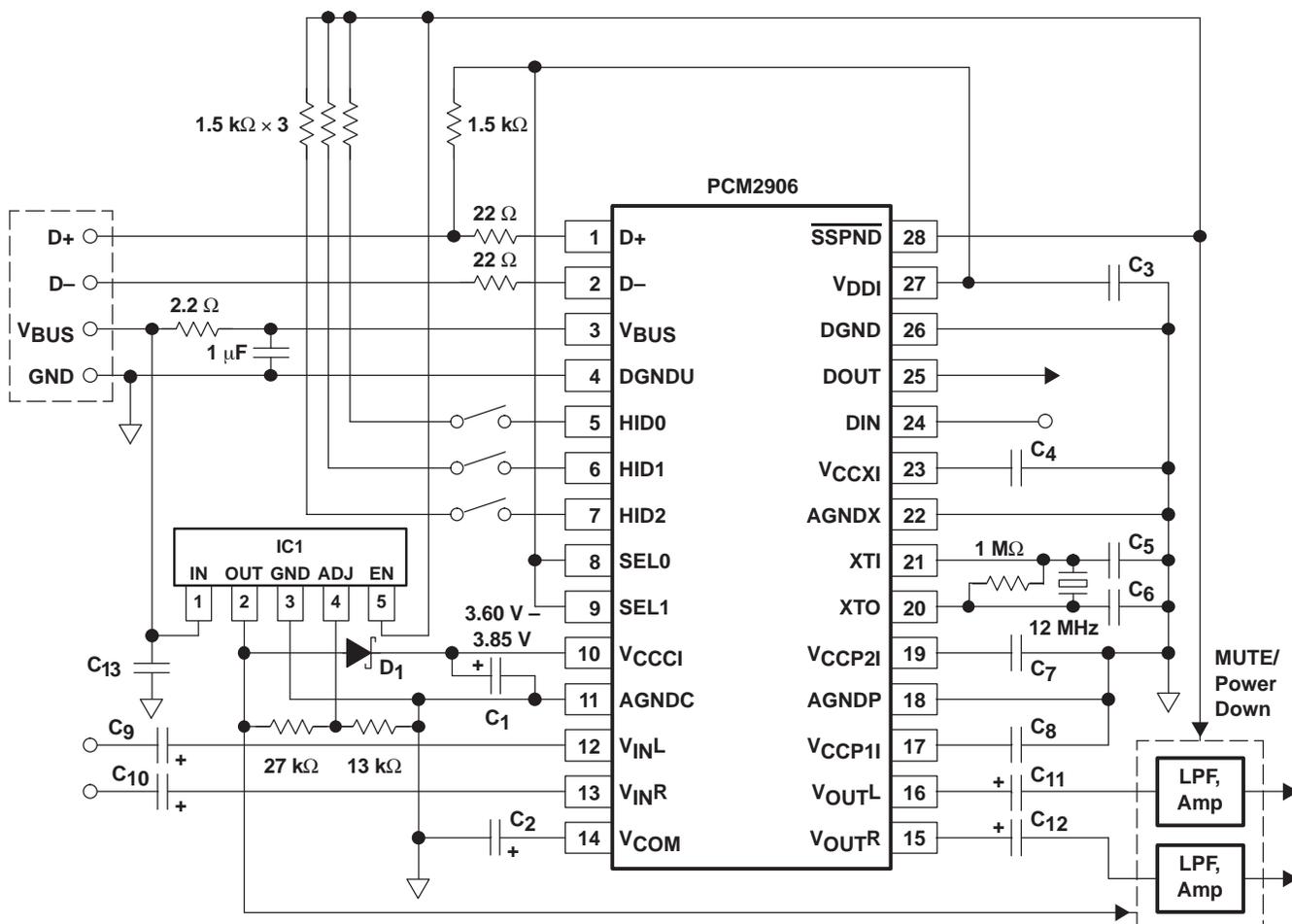


PCM2906 TYPICAL CIRCUIT CONNECTION 1

Figure 37 illustrates a typical circuit connection for a simple application. The circuit illustrated is for information only. The whole board design should be considered to meet the USB specification as a USB compliant product.



NOTE: C₁, C₂: 10 μF
 C₃, C₄, C₇, C₈, C₁₃: 1 μF (These capacitors must be less than 2 μF)
 C₅, C₆: 10 pF to 33 pF (depending on crystal resonator)
 C₉, C₁₀, C₁₁, C₁₂: The capacitance may vary depending on design.
 IC1: REG103xA–A (TI) or equivalent. Analog performance may vary depending on IC1.
 D₁: Schottky barrier diode (V_F ≤ 350 mV at 10 mA, I_R ≤ 2 μA at 4 V)

Figure 37. Bus-Powered Configuration for High-Performance PCM2906 Application