Figure 3

Q₁
2N3906

1N4148

V_{CC}

R_2
10k

R_1
10k

100k

L_{AUX}

D_1
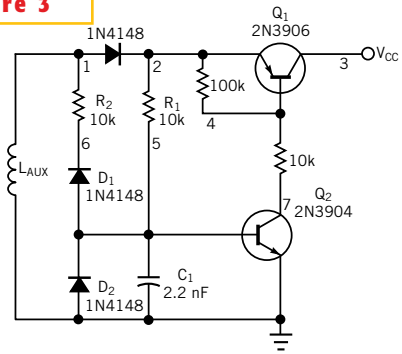1N4148

10k

Q₂
2N3904

D_2
1N4148

C_1
2.2 nF

This component arrangement creates a discrete sample-and-hold system.