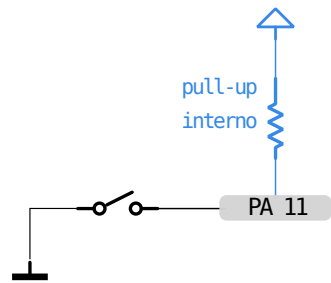
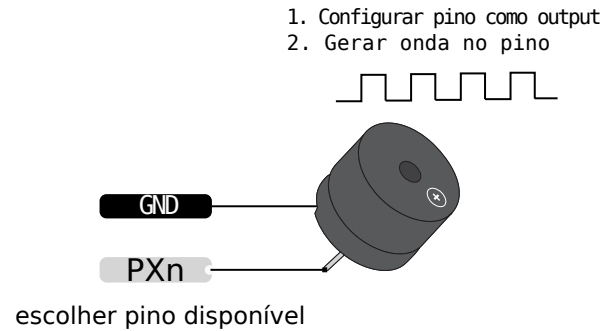


## Botão do Kit (igual para externo)



1. Configurar pino como input
2. Ativar o pull-up
3. Ler o valor do pino:
  0. Pressionado
  1. Solto

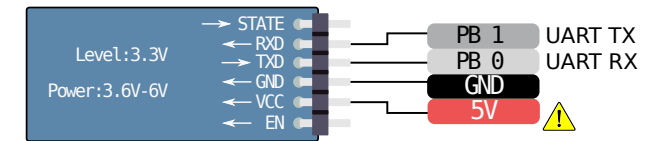
## Buzzer(sem oscilador)



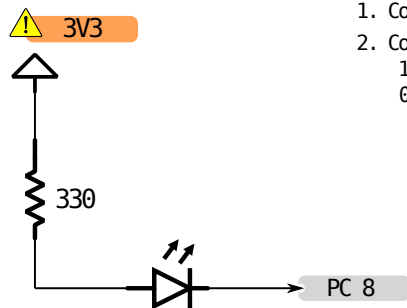
1. Configurar pino como output
2. Gerar onda no pino

## Módulo Bluetooth (HC-06)

1. Configurar pinos para serem comandados pela UART
2. Configurar periférico UART
3. Escrever e Ler no periférico UART

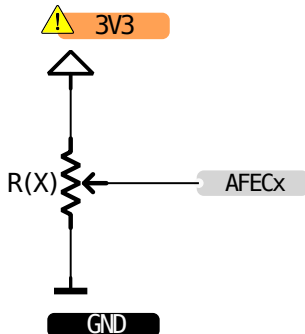


## LED do Kit (igual para externo)



1. Configurar pino como output
2. Controlar o pino
  - 1 : apaga
  - 0 : acende

## Potenciômetro



1. Inicializar AFEC
2. Selecionar mux correto
3. Ativar conversão
4. Ler valor digital (n)
 
$$4095 = R_{max}$$

$$n = R_x$$

Figure 4-1 SAM E70 Block Diagram

