

Cálculos

Para un retardo de 1 segundo:

$$\text{Prescaler} \geq (1 \text{ s} \times 16,000,000 \text{ Hz}) / 256 = 62,500$$

Con prescaler de 1024, cada overflow toma 16.384 ms. Número de overflows = $1 \text{ s} / 0.016384 \text{ s} = 61.03$

$$\text{TCNT0} = 256 - (16,000,000 \text{ Hz} \times 0.01 \text{ s}) / 1024 = 256 - 156.25 = 99.75 \approx 100$$

PINout

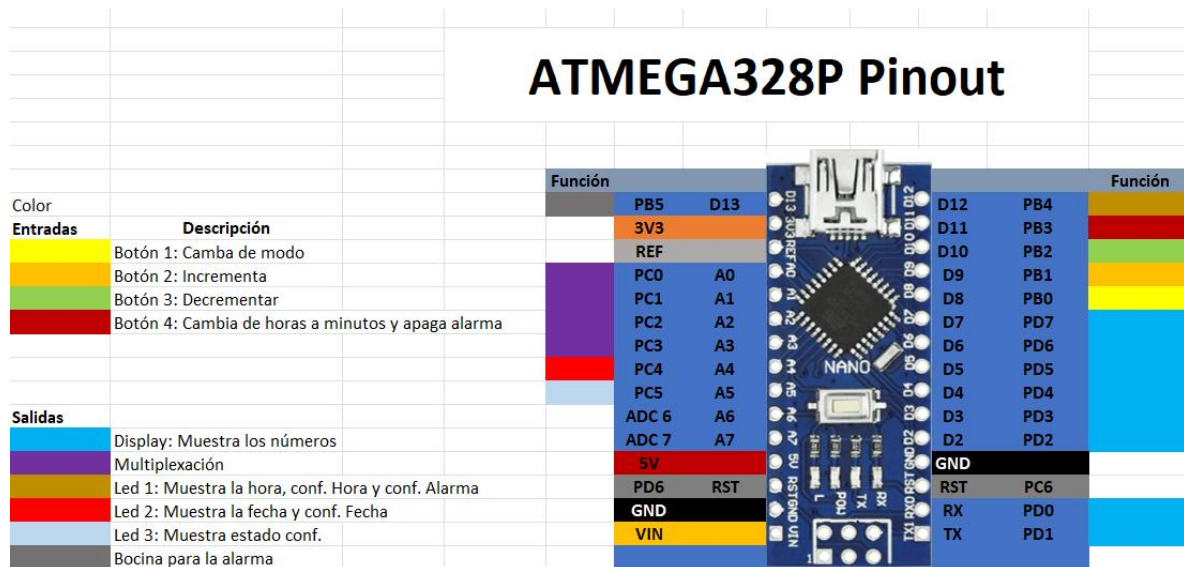


Diagrama de flujo

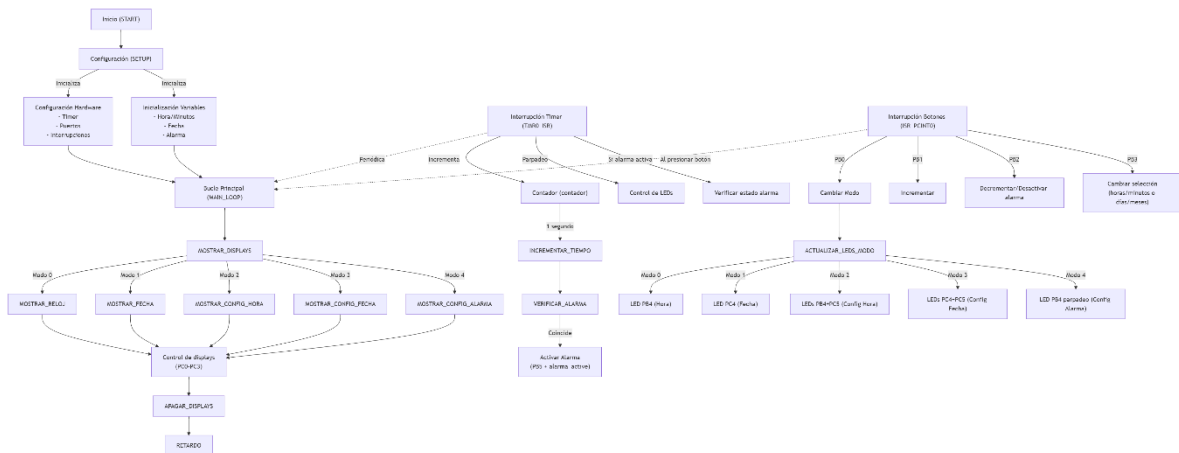


Diagrama de bloques

