a) LED

```
        i = 1        i = 2        i = 3        i = ...        i = 10
       ┌────┐       ┌────┐       ┌────┐       ┌────┐        ┌────┐
───────┘    └───────┘    └───────┘    └───────┘    └────────┘    └──────────────
          i = 1        i = 2        i = 3        i = ...        i = 10
```

BIT = 1: LED ON

BIT = 0: LED OFF

b) ACD/DAC

```
                                              k = 0        k = 1        k = 2        k = ...        k = 255
                                             ┌────┐       ┌────┐       ┌────┐       ┌────┐        ┌────┐
─────────────────────────────────────────────┘    └───────┘    └───────┘    └───────┘    └────────┘    └──────
                                                k = 0        k = 1        k = 2        k = ...        k = 255
```

BIT = 1: Envia k al PIN DAC

BIT = 0: El PIN ADC lee el voltaje