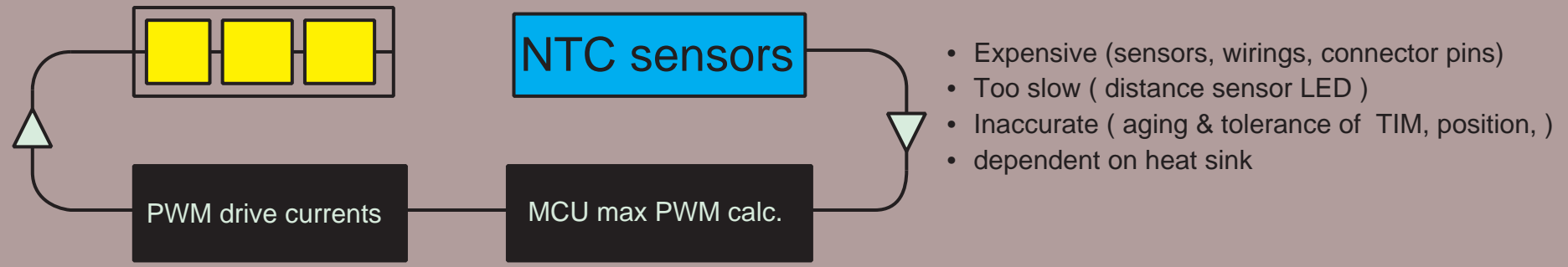


# Sensor-less LED Tj sensing for max lifetime

cost effective real time protection grants LED performance

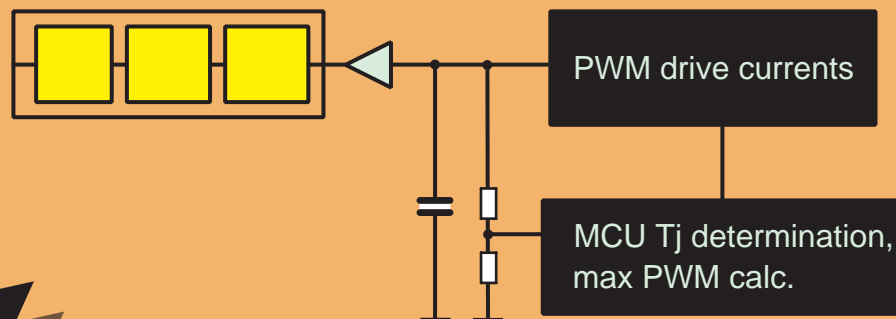
## Conventional method



Smart software uses free mcu resources and calculates Tj at any temperature and age

## nucon method

i.e. NXP ASLx416



- minimum cost (no external sensors)
- fast regulation response and protection
- Accurate (~ 2° K res.)
- independent on heat sink and mounting positions
- LED string monitoring
- no thermal modeling
- self calibration by sensing LED slope rate independent of age and current operating temperature of LED.

GER and US patented <https://www.led-temperature-protection.com>