



AN02036: Making an LED glow using Pulse Density Modulation (README)

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vendor

XMOS

version

1.1.0

scope

Example

description

Making a LED glow using various algorithms

category

General purpose

keywords

IO

hardware

XK-EVK-XU316

1 Summary

This application note describes how to build a Pulse Density Modulator, or PDM, to glow a led. It shows the principles of PDM, and three methods to implement PDM using just ports, timers and ports, and clocked ports.

2 Features

- Pulse Density Modulator

3 Known issues

- None

4 Required tools

- XMOS XTC Tools: 15.3.1



5 Required libraries (dependencies)

- ▶ None

6 Related application notes

- ▶ AN03000: xcore Input and Output
- ▶ AN03001: xcore Clocked Input and Output
- ▶ AN03002: xcore Port Buffering
- ▶ AN03003: xcore Port Serialisation and Strobing
- ▶ AN03007: xcore Ports



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