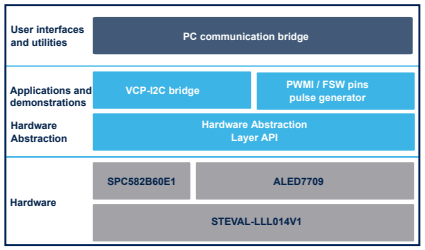
STSW-LLL014FW

Data brief

Firmware for STEVAL-LLL014V1 evaluation kit for ALED7709 configuration



Features

- Running on SPC582B60 MCU
- I²C bridge between ALED7709 and the PC SW
- SW controlled PWM generator for PWMI and FSW pins

Description

The STSW-LLL014FW firmware implementation is based on the 32-bit SPC582B60E1 microcontroller, allowing the configuration and control of the ALED7709 LED drivers over the I2C interface.

The firmware has been designed for the STEVAL-LLL014V1 evaluation kit to demonstrate the ALED7709 features as controller for lighting and backlighting.

The STSW-LLL014FW implements the bridge feature between the ALED7709 device and the STSW-LLL014GUI SW, running on a PC.

Product summary	
Software for STEVAL-LLL014V1 evaluation kit	STSW-LLL014FW
Automotive LED driver 4-channel evaluation kit based on ALED7709A	STEVAL-LLL014V1
GUI for STEVAL-LLL014V1 evaluation kit	STSW-LLL014GUI
Automotive LED driver 4-channel 200 mA with a DC-DC converter controller	ALED7709ATR
32-bit Power Architecture MCU for Automotive General Purpose Applications - Chorus family	SPC582B60E1MH00Y
Applications	Led Lighting System

Revision history

Table 1. **Document revision history**

Date	Revision	Changes
19-May-2023	1	Initial release.