ON Semiconductor®

STR-4LED-SOL-EVAL-EVK: LED Evaluation Board with Buck, Boost, PWM and Linear Solutions

LED eval board offering buck, boost, PWM, and linear solutions using CAV4201, LV52204, CAT9532, and LM358 respectively. Enabled with Strata software for full control and telemetry.

The LED Power Solutions Evaluation Board uses four different LED control methodologies to provide interactive LED control via Strata. CAT9532?s (PULSE) provide two strings of dynamic RGB color mixing via I2C interface for quick color changes and over 16 million color options. Linear solution (LINEAR) uses simple analog components to drive a constant current through the LEDs. The CAV4201 (BUCK) offers a step down SMPS solution with high efficiency and high current output that is fully automotive qualified. The LV52204 (BOOST) provides a step up SMPS solution for low current backlighting yielding high efficiency and high output voltage. In addition to these four complete solutions, the LED Power Solutions Eval board has multiple external connection points to use your own LED hardware. See the Strata webpage at www.onsemi.com/strata for more details!

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used
STR-4LED-SOL-EVAL-EVK	Active	Pb-free	LED Evaluation Board with Buck, Boost, PWM and Linear Solutions	CAT9532HV6I-GT2 , CAV4201TD-GT3 , LV52204MTTBG , NCV890430MW33TXG