



PCA9958 24-Bit 63 mA Current LED Driver with SPI

PCA9958HN NEW

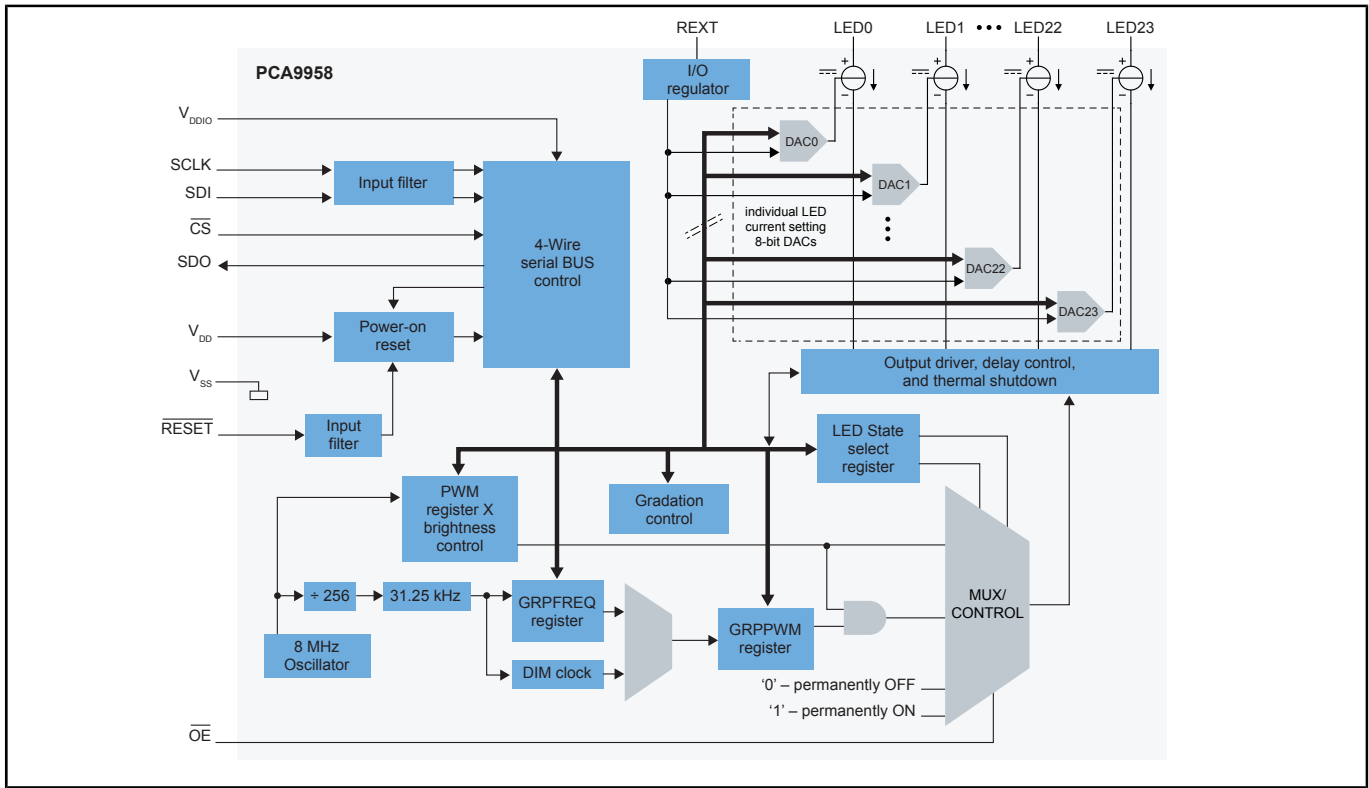
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The PCA9958 is a 24-channel SPI serial bus 63 mA LED driver with a supply voltage range of 2.7 V to 5.5 V. This device is optimized for dimming and blinking RGBA LEDs.

Each LED has its own 8-bit resolution fixed frequency operating at 31.25 kHz with an adjustable duty cycle 0% - 100% for brightness control. Additional PWM controller has a fixed frequency of 122 Hz and adjustable frequency of 15 Hz duty cycle from 0% - 99.6% for dimming and blinking control.

Output peak current is adjustable with an 8-bit linear DAC from 250 μ A to 63.75 mA. The PCA9958 has open and short detection circuitry and thermal shutdown protection. This device has a 4-wire SPI bandwidth of 10 MHz to communicate with the local micro.

PCA9958 Block Diagram



View additional information for [PCA9958 24-Bit 63 mA Current LED Driver with SPI](#).

Note: The information on this document is subject to change without notice.

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