



# 6 Channel LED Backlight Driver with Power Supply

## MC34845

### Archived

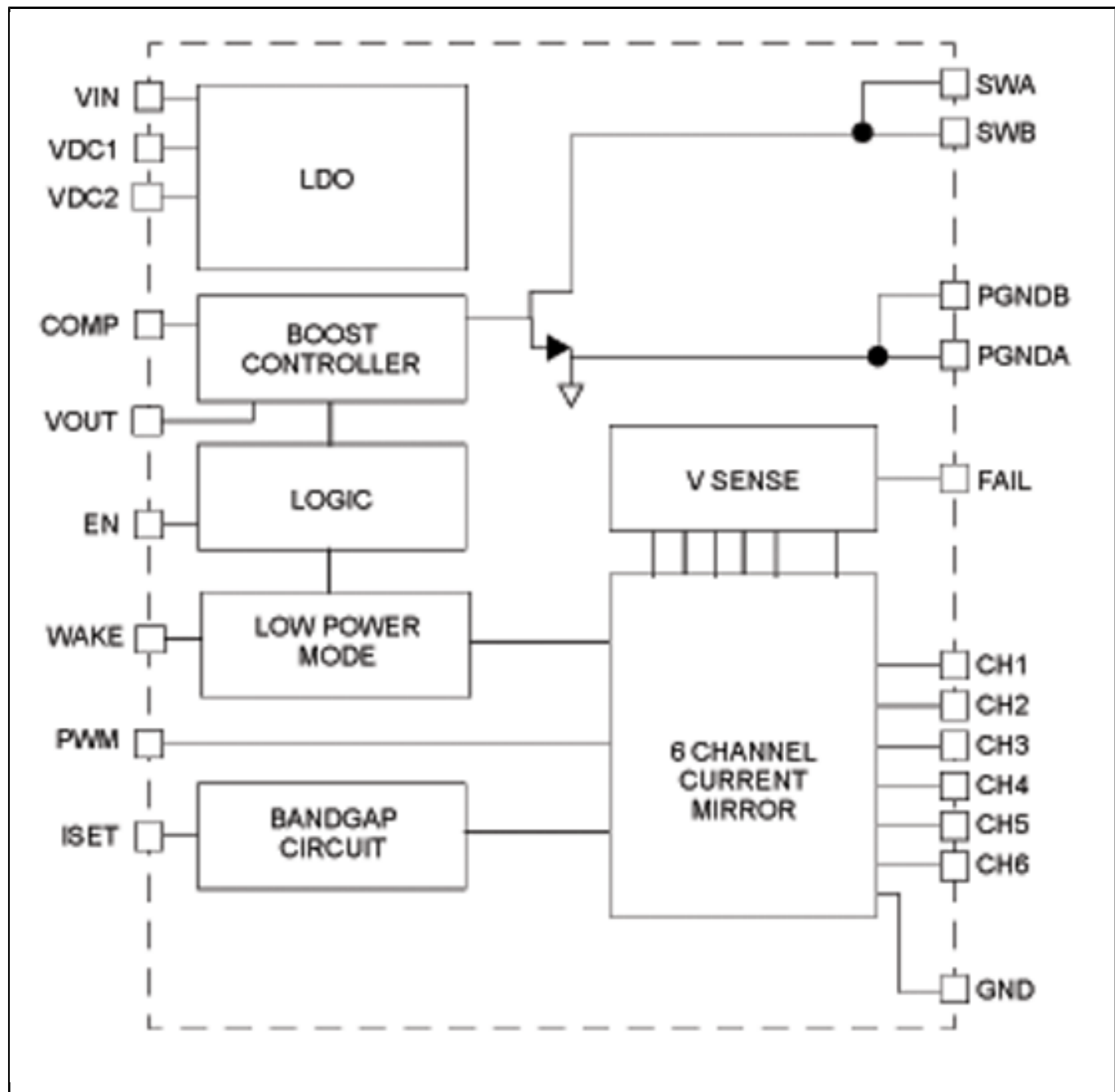
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Last Updated: Jul 24, 2023

The NXP® MC34845 is a high efficiency, LED driver for use in backlighting LCD displays from 10" to 17"+.

- Capable of driving up to 16 LEDs in series in each of 6 strings
- PWM dimming is performed by applying a PWM input signal to the PWM pin which modulates the LED channels directly
- The integrated boost converter uses dynamic headroom control to automatically set the output voltage
- Three device versions for boost frequency: the 34845 and 34845C are 600 kHz, the 34845 A is 1.2 MHz and the 34845B and 34845D are 300 kHz
- Includes fault protection modes for LED short and open, over temperature, over current and over voltage errors. The OVP level can be set by using an external resistor divider.

## Freescale MC34845 LED Driver Block Diagram Block Diagram



View additional information for [6 Channel LED Backlight Driver with Power Supply](#).

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

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