



6 Channel LED Backlight Driver with Power Supply

MC34845

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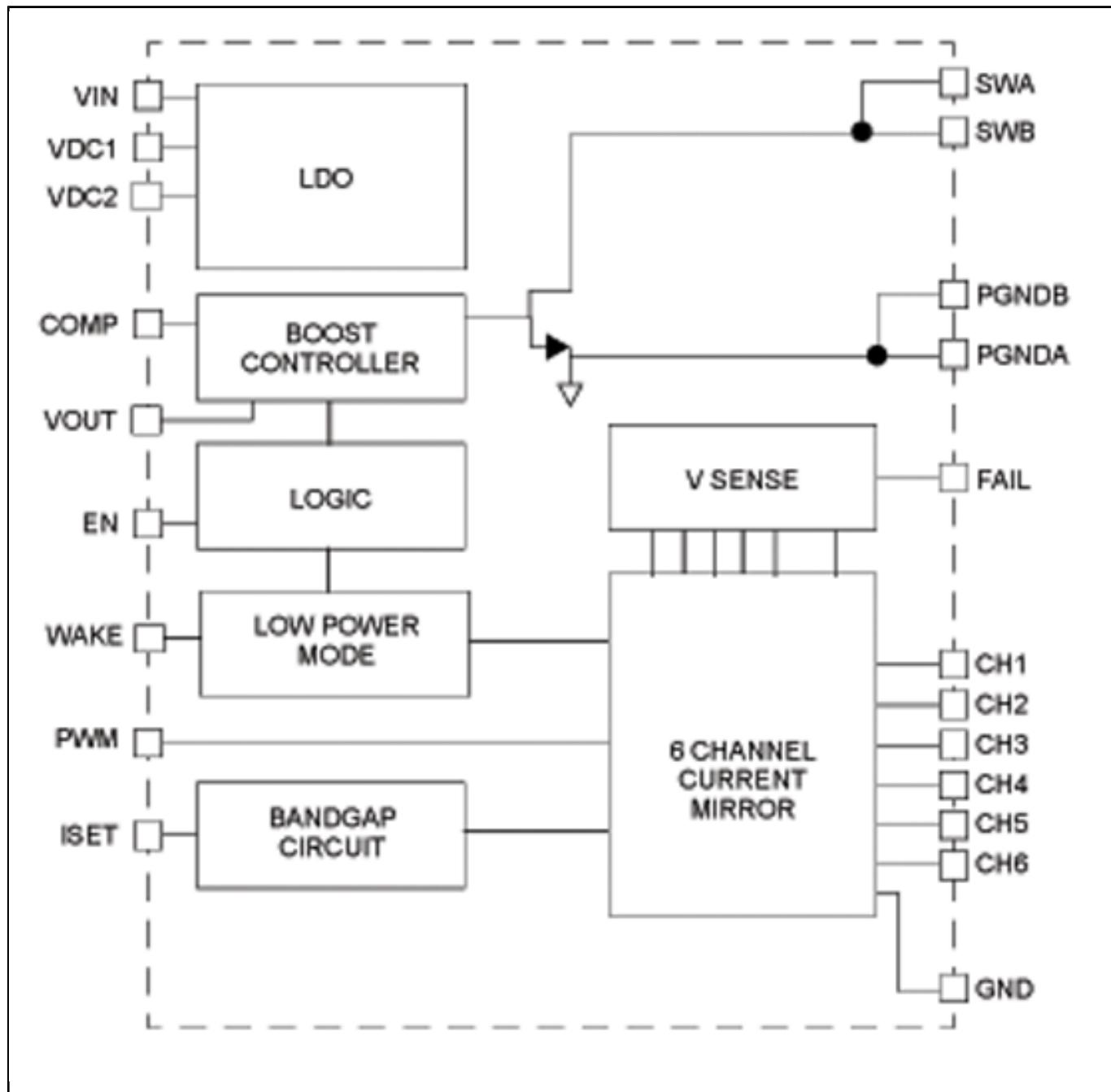
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The NXP® MC34845 is a high efficiency, LED driver for use in backlighting LCD displays from 10" to 17"+.

- 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



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