

GENERAL DESCRIPTION

The AS6503/ AS6504 are White/Blue LED Driver for Li-Ion Battery Application. No external component is required. Especially good for use Li-ion battery powered LCD display's backlight white LEDs. The special circuit design provides over 90% efficiency in low noise. The AS6503/AS6504 is Integrated with 16-step programmable output sink current for LEDs brightness control.

Target end applications are color LCD display, such as mobile phone with color display, smart phone, PDA, etc.

Device Name	Initial LED Sink Current	Max. LED Sink Current	LED Number
AS6503	20mA	20mA	3
AS6504	20mA	20mA	4

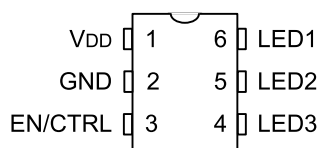
FEATURES

- * No external component required.
- * Programmable output current control, programming range 25% to 100% in 16 steps for LED brightness control.
- * Initial LED sink current 20 mA
- * 3 channels (SOT-26), 4 channels (MSOP-8) ,available.
- * 90% efficiency
- * Supply voltage range 2.7 V ~ 6 V
- * 0.1uA standby current

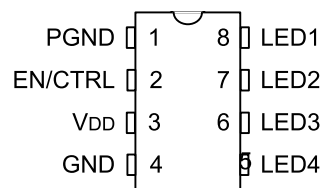
GENERAL APPLICATIONS

- * Small Size Color LCD Backlights
- * Mobile Phone, Smart Phone Keypad Backlights.

PIN ASSIGNMENTS



AS6503
SOT-26



AS6504
MSOP-8