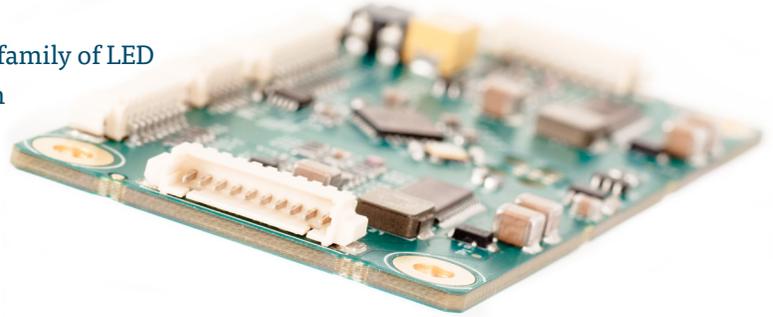


DUAL MINI LED DRIVER FOR LCDs

Controls high brightness and NVIS rails

The Dual Mini LED driver is the smallest in General Digital's family of LED controllers. Two channels allow the Dual Mini to drive a high bright and NVIS-compatible backlight with independent parameters. A low profile, high efficiency, and wide operating temperature range make this field-programmable driver ideal for military and industrial applications.



HIGH QUALITY LED DRIVERS

- ▶ Efficiency to 88%
- ▶ Dual LED Drivers
 - ▷ **Can operate independently for dual mode displays**
 - ▷ **Can be synchronized and combined for higher output single sunlight readable displays**
- ▶ Independent, accurate LED string regulation for excellent LED uniformity
- ▶ **Spread Spectrum frequency modulation available**
- ▶ Open and short circuit protection; thermal overload protection
- ▶ **High dimming ratio of up to 5000:1**

THERMAL

- ▶ -40° to 85°C operational
- ▶ Two thermal sensor inputs
 - ▷ Automatic overtemp cutback
 - Protects LED rails and LCD from overheating
 - Programmable set points

Note: **Bold print** indicates specially-designed features unavailable on standard backlight controllers.



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MICROCONTROLLER CONTROLLED

- ▶ **Adjustable brightness parameters**
 - ▷ **Dimming frequency**
 - **Minimum**
 - **Maximum**
 - **Custom brightness curves**
- ▶ **Ability to support a wide variety of displays**
- ▶ **Each of the two channels can be set independently**
- ▶ **16 current values (20 mA to 100 mA per string) using an 8-pin DIP switch**
- ▶ **Any custom features can be programmed—even in the field!**
- ▶ **Analog or PWM dimming, DIP switch selectable**

POWER INPUT

- ▶ +9 to +16 Vdc Input

LOW PROFILE DESIGN

- ▶ 3.00" x 1.50"
- ▶ Less than 0.25" height

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