

DUAL LED DRIVER FOR LCDs

Controls high brightness and NVIS rails

The 21-406 Dual LED driver is the standard in General Digital's family of LED controllers. Two channels allow the dual control PCB 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

- » 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 3000:1**

THERMAL

- » -40° to 85°C operational
- » 2 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.



60 Prestige Park Road

East Hartford, Connecticut 06108

Phone 860.282.2900 | Toll-Free 800.952.2535

E-mail gdc_info@generaldigital.com



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

- » 5.00" x 2.00"
- » Less than 0.256" height

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