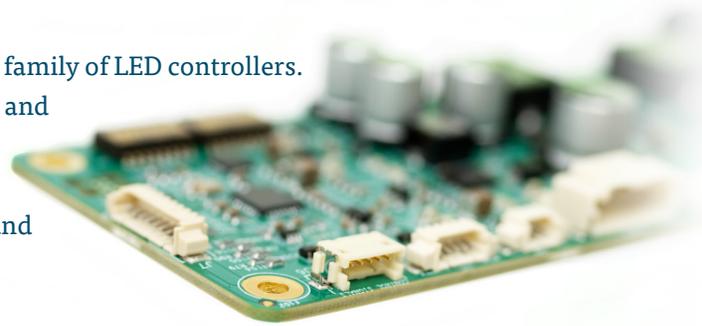


DUAL LED DRIVER FOR LCDs

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
- ▶ Two thermal sensor inputs
 - ▶ Automatic overtemp cutback
 - Protects LED rails and LCD from overheating
 - Programmable set points

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

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



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999-0902-002r3