Dual LED Driver for LCDs
For High Bright & NVIS Rails

The Dual LED driver is the standard in General Digital’s family of LED controllers. Two channels allow the Dual 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

**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

**Thermal**
- -40° to 85° C Operational
- 2 Thermal Sensor Inputs
  - Automatic Overtemp Cutback
    - Protects LED Rails and LCD from Overheating
    - Programmable Set Points

**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.