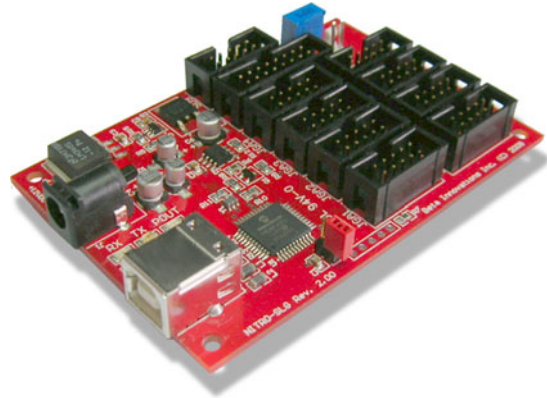
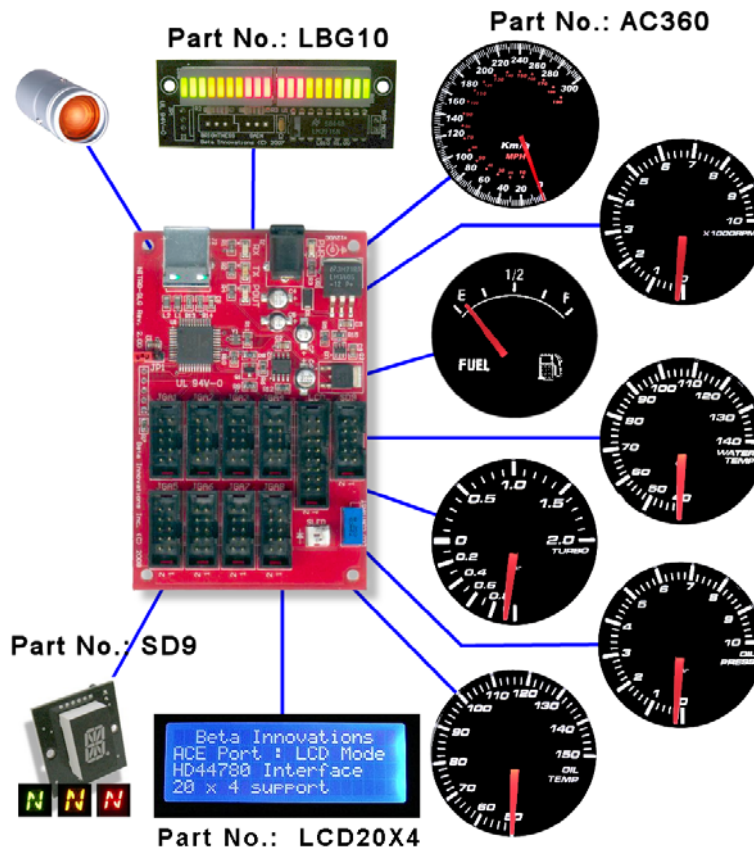


The Nitro-SLG USB Module is designed to provide digital outputs for controlling up to 8, 10-bit gauges, Shift Light, Gear Indicator Display & LCD.



### Features:

- 8 individually controlled SPI (Serial Peripheral Interface) output channels compatible with LBG10-DG LED bar graph or industry standard 10-bit air-core movement drivers.
- User defined damping algorithm for smooth gauge pointer movement.
- Shift Light output. 25mA source/sink 5V output.
- Gear Indicator Display port compatible with SD9 and standard 7-Segment displays.
- 20 x 4 character HD44780 compatible LCD support.
- Short circuit and over current protection.
- Incorporates a Flash Loader for easy firmware updates via USB.



## Application:

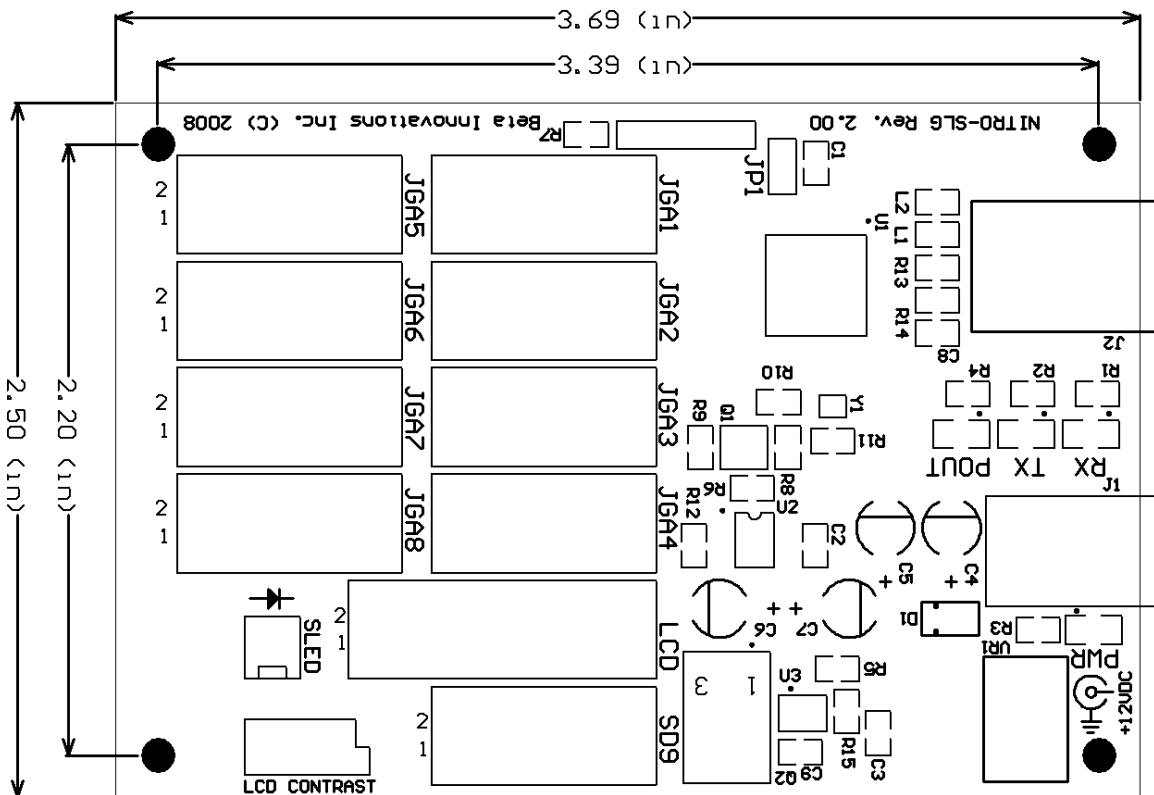
The Nitro-SLG output module is ideally suited for controlling up to 8 Air-Core Movement based gauges and an LBG10-DG LED bar graph RPM indicator. Damping can be defined for each output port as required for realistic gauge pointer movement emulation.

The Shift Light output can be connected to any 5V indicator or LED through a current limiting resistor. Shift Light trigger is controlled via software.

The Gear Indicator Display provides a standard BCD (Binary Coded Decimal) output that can be used with industry standard decoders such as the 7447/7449 or the SD9 for alphanumeric display output.

All HD44780 compatible 20x4 LCDs are supported with backlight brightness under software control.

## Mechanical Specifications:



Visit [www.betainnovations.com](http://www.betainnovations.com) for the availability of expansion modules and accessories.