



## NCV786XXAR10GEVK:EVK PWR LED DRV NCV786XX

### Evaluation Board Description

The plug-and-play NCV786xx DEMO KIT contains all the necessary hardware and PC connection capability to control the NCV78663 LED DRIVER for Front Lighting. The user-friendly Graphical User Interface for Software Application support (SWAS GUI) allows easy operation with the device. Even with a basic knowledge of the product datasheet, all the SPI commands can be straightforwardly issued and allows a fast preliminary evaluation of the product. The GUI will be of valid reference as the practice with the product grows and the user starts to build his or her own application. The hardware is very flexible and allows to plug-in different daughterboards with specific user-defined power-on register values by means of the One Time Programmed resident memory (OTP) for effective stand-alone applications. In addition, the possibility is foreseen to connect a microcontroller board by simple direct insertion to the available connectors.



Led modules with individual heat sinks are included in the full DEMO KIT package, allowing exercise with high current up to 1A. When not needed, a package without LEDs can be ordered for a reduced price (order code NCV786XXAR20GEVK). Additional daughterboards can be sold separately as well (order code NV786630R1DAGEVB). Please contact the local Sales Office or refer to [www.onsemi.com](http://www.onsemi.com)

### Evaluation Board Information

Evaluation Board	Status	Pb-free	Short Description	Parts Used	Action
<a href="#">NCV786XXAR10GEVK</a>	Active		EVK PWR LED DRV NCV786XX	NCV78663DQ0G	 <a href="#">Contact Local Sales Office</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCV786XXAR10GEVK Bill of Materials ROHS Compliant	<a href="#">NCV786XXAR10GEVK_BOM_ROHS.PDF</a> - 77.0 KB	0
Eval Board: Gerber	NCV786XXAR10GEVK Gerber Layout Files (Zip Format)	<a href="#">NCV786XXAR10GEVK_GERBER.ZIP</a> - 162.0 KB	0
Eval Board: Schematic	NCV786XXAR10GEVK Schematic	<a href="#">NCV786XXAR10GEVK_SCHEMATIC.PDF</a> - 338.0 KB	0
Eval Board: Test Procedure	NCV786XXAR10GEVK Test Procedure	<a href="#">NCV786XXAR10GEVK_TEST_PROCEDURE.PDF</a> - 336.0 KB	0
Software	NCV786XXAR10GEVK Software	<a href="#">NCV786XXAR10GEVK_SOFTWARE.ZIP</a> - 954.0 KB	1