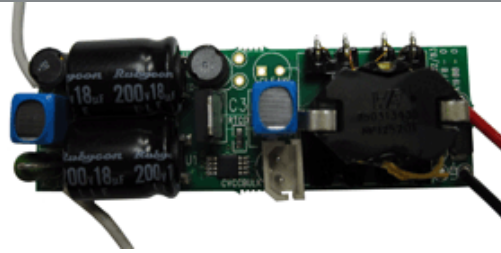




## NCL30082FLYGEVB: Flyback 10 W / 500 mA Current Mode Controller Evaluation Board

### Evaluation Board Description

The NCL30082 is a PWM current mode controller targeting isolated flyback and non-isolated constant current topologies. The controller operates in a quasi-resonant mode to provide high efficiency. Thanks to a novel control method, the device is able to precisely regulate a constant LED current from the primary side. This removes the need for secondary side feedback circuitry, biasing and an optocoupler. The device is highly integrated with a minimum number of external components. A robust suite of safety protection is built in to simplify the design. The device supports analog/digital dimming and thermal foldback. While the NCL30082 has integrated fixed overvoltage protection, the designer has the option to program a lower OVP level.



### Design Support

- » Technical Documentation
- » Design Resources
- » Technical Support
- » Sales Support

### Evaluation Board Information

Evaluation Board	Status	Pb-free	Short Description	Parts Used	Action
<a href="#">NCL30082FLYGEVB</a>	Active		Flyback 10 W / 500 mA Current Mode Controller Evaluation Board	<a href="#">NCL30082ADMR2G</a> , <a href="#">NCL30082BDMR2G</a>	

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCL30082FLYGEVB Bill of Materials ROHS Compliant	<a href="#">NCL30082FLYGEVB_BOM_ROHS.PDF</a> - 127.0 KB	9
Eval Board: Gerber	NCL30082FLYGEVB Gerber Layout Files	<a href="#">NCL30082FLYGEVB_GERBER.ZIP</a> - 117.0 KB	4
Eval Board: Schematic	NCL30082FLYGEVB Schematic	<a href="#">NCL30082FLYGEVB_SCHEMATIC.PDF</a> - 273.0 KB	0
Eval Board: Test Procedure	NCL30082FLYGEVB Test Procedure	<a href="#">NCL30082FLYGEVB_TEST_PROCEDURE.PDF</a> - 79.0 KB	0
Eval Board: Manual	NCL30083xxxGEVB Evaluation Boards User's Manual	<a href="#">EVBUM2179/D</a> - 1951.0 KB	1

