



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## NCP1937BADAPGEVB:90 W Adapter PFC+ QR 10 MW Evaluation Board

### Evaluation Board Description

This combination IC integrates power factor correction (PFC) and quasi-resonant flyback functionality necessary to implement a compact and highly efficient Switched Mode Power Supply for an adapter application.

The PFC stage exhibits near-unity power factor while operating in a Critical Conduction Mode (CrM) with a maximum frequency clamp. The circuit incorporates all the features necessary for building a robust and compact PFC stage while minimizing the number of external components.

The quasi-resonant current-mode flyback stage features a proprietary valley-lockout circuitry, ensuring stable valley switching. This system works down to the 4th valley and toggles to a frequency foldback mode with a minimum frequency clamp beyond the 4th valley to eliminate audible noise. Skip mode operation allows excellent efficiency in light load conditions while consuming very low standby power consumption.



### 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="#">NCP1937BADAPGEVB</a>	Active		90 W Adapter PFC+ QR 10 MW Evaluation Board	NCP1937A1DR2G, NCP4304ADR2G, NCP4304AMNTWG, NCP4304BDR2G, NCP4304BMNTWG, NCP4355BDR2G	

### Technical Documents

Type	Document Title	Document ID/ Size	Rev
Eval Board: BOM	NCP1937BADAPGEVB Bill of Materials ROHS Compliant	<a href="#">NCP1937BADAPGEVB_BOM_ROHS.PDF</a> - 152.0 KB	1.2
Eval Board: Gerber	NCP1937BADAPGEVB Gerber Layout Files (Zip Format)	<a href="#">NCP1937BADAPGEVB_GERBERS.ZIP</a> - 102.0 KB	1
Eval Board: Schematic	NCP1937BADAPGEVB Schematic	<a href="#">NCP1937BADAPGEVB_SCHEMATIC.PDF</a> - 132.0 KB	1.2
Eval Board: Test Procedure	NCP1937BADAPGEVB Test Procedure	<a href="#">NCP1937BADAPGEVB_TEST_PROCEDURE.PDF</a> - 156.0 KB	0

