

## NCP4894FCEVB: 1 W Differential Audio Power Amplifier Evaluation Board

### Evaluation/Development Tool Description

The NCP4894 is a differential audio power amplifier designed for portable communication device applications. With less than 0.01% distortion (THD + N), the NCP4894 is capable of delivering 1.0 W of continuous average power to an 8.0 Ohm load from a 5.0 V power supply.

The NCP4894 is offered in a 9 pin Microbump chip scale package for optimum space saving or a Micro10 package.

The NCP4894 gain is set by the ratio of two external resistors. The demo board uses the Microbump package in a unity gain configuration.



### Features and Applications

#### Features

- Differential Amplification
- Shutdown High or Low Selectivity
- 1.0 W to an 8.0 Ohm Load from a 5.0 V Power Supply
- Superior PSRR: Direct Connection to the Battery
- Pop and Click Noise Protection Circuit
- Ultra Low Current Shutdown Mode
- 2.2 V - 5.5 V Operation

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP4894FCEVB	Active		1 W Differential Audio Power Amplifier Evaluation Board	NCP4894FCT1G	<a href="#">Buy Now</a> <a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP4894FCEVB BILL OF MATERIALS	NCP4894FCEVB_BOM.PDF - 64.0 KB	2
Eval Board: Gerber	NCP4894FCEVB GERBER LAYOUT FILES (ZIP FORMAT)	NCP4894FCEVB_GERBER.ZIP - 32.0 KB	2
Eval Board: Schematic	NCP4894FCEVB SCHEMATIC	NCP4894FCEVB_SCHEMATIC.PDF - 31.0 KB	2
Eval Board: Test Procedure	NCP4894FCEVB TEST PROCEDURE	NCP4894FCEVB_TEST_PROCEDURE.PDF - 74.0 KB	3

### Previously Viewed Products

 
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- » Design Resources & Documents
- » Technical Support
- » Sales Support