

## NCP3064DFBSTGEVB: DFN-8 Boost Evaluation Board

The NCP3064 device supports a buck configuration with a wide input voltage range. The NCP3064 is a low cost converter that supports a peak current of 1.5A with a maximum duty cycle of 85.7%. The ON/OFF function allows turn the device to low consumption mode.



### Features and Applications

#### Features

- Input Voltage Range from 3.0 V to 40 V
- Logic Level Shutdown Capability
- Low Power Standby Mode, Typical 100 uA
- Output Switch Current to 1.5 A
- Adjustable Output Voltage Range
- 150 kHz Frequency Operation
- Precision 2% Reference
- Internal Thermal Shutdown Protection
- Cycle-by-Cycle Current Limiting
- NCV Prefix for Automotive and Other Applications Requiring Site and Control Changes
- These are Pb-Free Devices

#### Applications

- Step-Down, Step-Up, and Inverting supply applications
- High Power LED Lighting
- Battery Chargers

| Evaluation/Development Tool Information |        |            |                              |              |                                                                             |
|-----------------------------------------|--------|------------|------------------------------|--------------|-----------------------------------------------------------------------------|
| Product                                 | Status | Compliance | Short Description            | Parts Used   | Action                                                                      |
| NCP3064DFBSTGEVB                        | Active | Pb-free    | DFN-8 Boost Evaluation Board | NCP3064MNTXG | <a href="#">» Contact Local Sales Office</a><br><a href="#">» Inventory</a> |

| Technical Documents        |                                                                                                 |                                                 |     |
|----------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------|-----|
| Type                       | Document Title                                                                                  | Document ID/Size                                | Rev |
| Eval Board: BOM            | NCP3064DFBSTGEVB Bill of Materials ROHS Compliant                                               | NCP3064DFBSTGEVB_BOM_ROHS.PDF - 40.0 KB         | 0   |
| Eval Board: Gerber         | NCP3064DFBSTGEVB Gerber Layout Files (Zip Format)                                               | NCP3064DFBSTGEVB_GERBER.ZIP - 129.0 KB          | 0   |
| Eval Board: Schematic      | NCP3064DFBSTGEVB Schematic                                                                      | NCP3064DFBSTGEVB_SCHEMATIC.PDF - 558.0 KB       | 0   |
| Eval Board: Test Procedure | NCP3064DFBSTGEVB Test Procedure                                                                 | NCP3064DFBSTGEVB_TEST_PROCEDURE.PDF - 1199.0 KB | 0   |
| Video                      | 1.5 A Boost / Buck, Inverting Converter, Switching Regulator Evaluation Boards - NCP3064 Series | WVD17619/D                                      |     |

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