

# FAN251015GEVB: 15A Voltage Mode Fixed

The FAN251015 is a highly efficient synchronous buck regulator with digital interface, capable of operating with an input range from 4.5 V to 18 V and supporting up to 15 A load currents. The FAN2510xx utilizes a fixed-frequency voltage-mode control architecture to provide a synchronized constant switching frequency while ensuring fast transient response. Switching frequency and over-current protection can be programmed to provide a flexible solution for various applications. Output over-voltage, under-voltage, over-current, and thermal shutdown protections help prevent damage to the device during fault conditions.

| Evaluation/Development Tool Information |        |            |                        |                |                     |
|---|--------|------------|------------------------|----------------|---------------------|
| Product                                 | Status | Compliance | Short Description      | Parts Used     | Action              |
| FAN251015GEVB                           | Active | Pb-free    | 15A Voltage Mode Fixed | FAN251015MNTXG | <a href="#">Buy</a> |

| Technical Documents        |  |                                       |     |
|----------------------------|--|---------------------------------------|-----|
| Type                       | Document Title                                   | Document ID/Size                      | Rev |
| Eval Board: BOM            | FAN251015GEVB Bill of Materials (ROHS Compliant) | FAN251015GEVB_BOM_ROHS - 216 KB       | 0   |
| Eval Board: Gerber         | FAN251015GEVB Gerber Layout Files (Zip Format)   | FAN251015GEVB_GERBER - 164 KB         | 0   |
| Eval Board: Schematic      | FAN251015GEVB Schematic                          | FAN251015GEVB_SCHEMATIC - 423 KB      | 0   |
| Software                   | FAN251015GEVB Software (Zip Format)              | FAN251015GEVB_SOFTWARE - 1476 KB      | 0   |
| Eval Board: Test Procedure | FAN251015GEVB Test Procedure                     | FAN251015GEVB_TEST_PROCEDURE - 833 KB | 0   |

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