

## 8 Application and Implementation

### NOTE

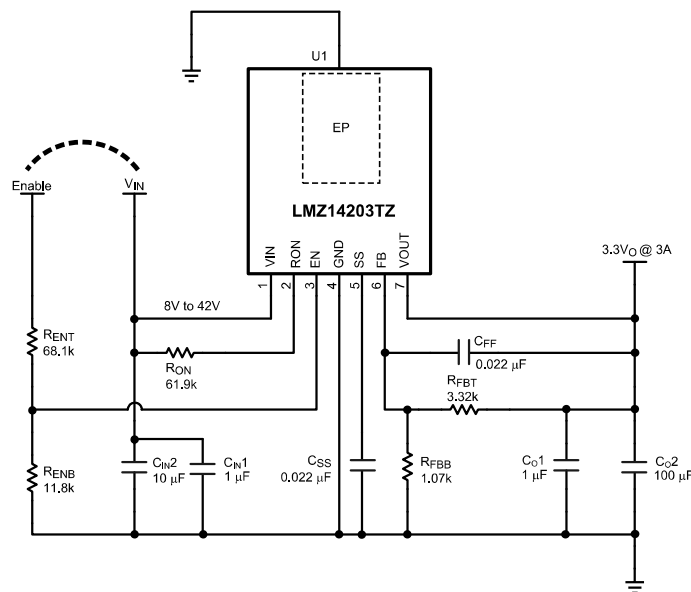
Information in the following applications sections is not part of the TI component specification, and TI does not warrant its accuracy or completeness. TI's customers are responsible for determining suitability of components for their purposes. Customers should validate and test their design implementation to confirm system functionality.

### 8.1 Application Information

The LMZ14203 is a step-down DC-to-DC power module. It is typically used to convert a higher DC voltage to a lower DC voltage with a maximum output current of 3 A. The following design procedure can be used to select components for the LMZ14203. Alternately, the WEBENCH software may be used to generate complete designs.

When generating a design, the WEBENCH software uses iterative design procedure and accesses comprehensive databases of components. For more details, see [www.ti.com](http://www.ti.com).

### 8.2 Typical Application



**Figure 24. Evaluation Board Schematic Diagram**

#### 8.2.1 Design Requirements

For this example the following application parameters exist.

- $V_{IN}$  Range = Up to 42 V
- $V_{OUT}$  = 0.8 V to 5 V
- $I_{OUT}$  = 3 A

Please refer to [Table 1](#) for more information.