# Digital Power Buck Converter BoosterPack

## Description

The Digital Power Buck Converter BoosterPack provides an introductory platform for learning the basics of digital power control.  When paired with the C2000™ Piccolo™ F28069M LaunchPad, this BoosterPack enables a full buck converter control system controlled by theC2000™ TMS320F28069 microcontroller. The buck converter power stage supports dynamic loads and converts an external 9V power supply to a configurable output voltage.

The Digital Power Buck Converter BoosterPack is supported by the C2000 Microcontroller family's Digital Power software called powerSUITE. powerSUITE is a breakthrough set of tools that simplify design and help maximize performance of digital power supplies.

All of the design files and relevant code examples for the Digital Power Buck Converter BoosterPack are included for free in the C2000 MCU family's controlSUITE™ software suite.

## Features

- Compatible with the F28069M Launchpad
- 9V input voltage
- Variable output voltage
- Dynamic load
- Free unrestricted version of Code Composer Studio integrated development environment (IDE)
- Code examples and design files are included in controlSUITE
- Supported by powerSUITE Digital Power Supply Design Software Tools for C2000™ MCUs

## What's Included

- Digital Power Buck Converter BoosterPack PCB
- Quick Start Guide

| Part Number |
| --- |
| **BOOSTXL-BUCKCONV:** |
| Digital Power Buck Converter BoosterPack |