

Trion T8 BGA81 Development Kit Quick Start Guide

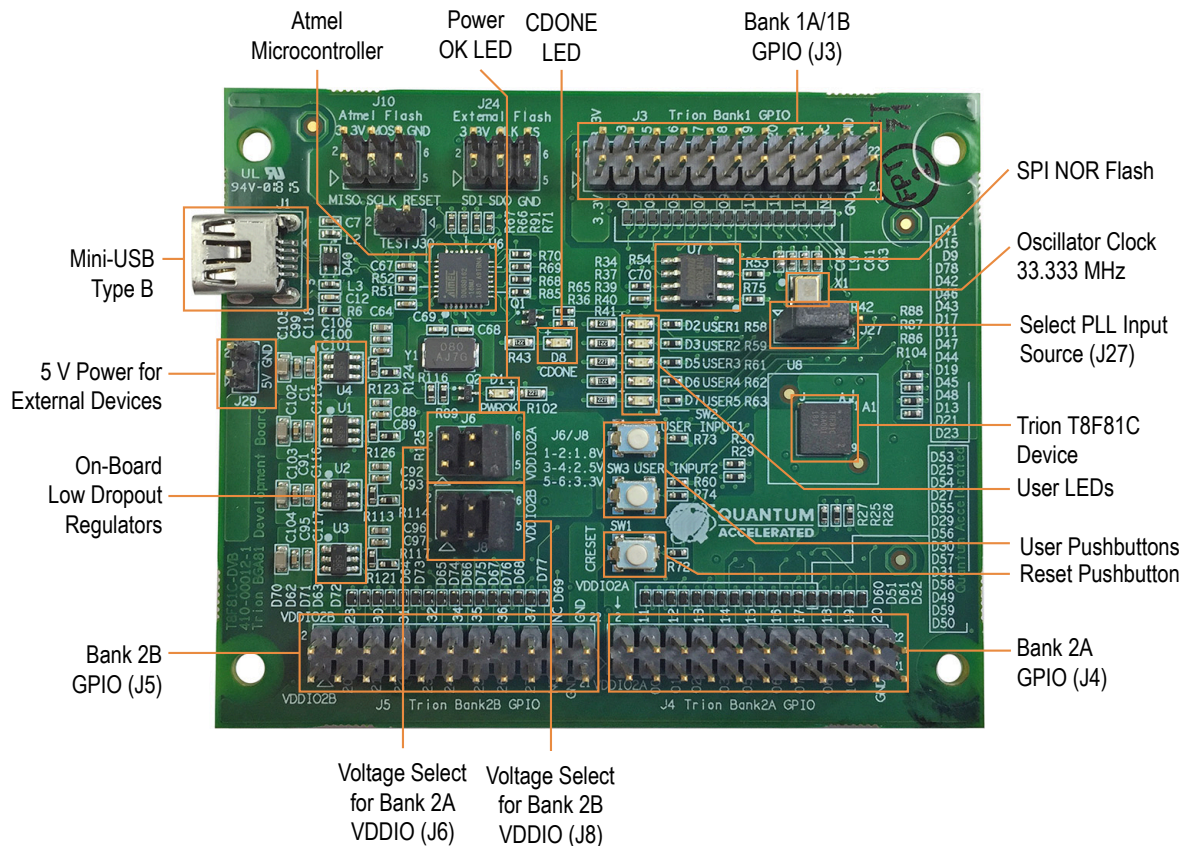
T8F81C-DK-GS-2.0 | August 2020

Introduction

This document replaces the Trion 8 BGA81 Development Kit Quick Start Guide that is included in the shrink-wrapped Trion® T8 BGA81 Development Kit.

Thank you for choosing the Trion® T8 BGA81 Development Kit (part number: T8F81C-DK), which allows you to explore the features of the T8 FPGA.

Figure 1: Trion® T8 BGA81 Development Board Components



Warning: Use correct anti-static methods when handling the board.

What's in the Box?

- Trion® T8 BGA81 Development Board preloaded with a demonstration design
- 4 standoffs
- 4 screws
- 3 foot mini-USB cable (type B)

Register Your Kit

When you purchase an Efinix development kit, you also receive a copy of the Efinity® software plus one year of software upgrades and patches. The Efinity® software is available for download from the Support Center on the Efinix web site.

To get access to our Support Center to download your software, register your development kit at <https://www.efinixinc.com/register>.

Installing Standoffs

Before using the board, attach the standoffs with the screws provided in the kit.



Warning: You can damage the board if you over tighten the screws. Tighten all screws to a torque between 4 ± 0.5 kgf/cm and 5 ± 0.5 kgf/cm.

Running the Demonstration Design

Efinix® preloads the Trion® T8 BGA81 Development Board with a demonstration design that operates the LEDs. The board receives power through USB cable. Follow these steps to run the design:

1. Connect the USB cable to the board and to your computer.
 - LED D1 turns on.
 - When configuration completes, the configuration done LED (D8) turns on.
 - Four green LEDs (D2, D3, D5, D6) turn on, sweeping in one direction.
2. Press and hold pushbutton SW3. The LED sweep direction reverses and LED D7 turns on. When you release the pushbutton, the LEDs resume the original sweep direction.
3. Press and hold pushbutton SW2 to turn off all LEDs. When you release the pushbutton, the LEDs resume sweeping in the original direction.



Learn more: [Go to the Support Center](#) for example designs and documentation.

Revision History

Table 1: Revision History

Date	Version	Description
August 2020	2.0	Corrected errors in the description of the LED functionality.
June 2018	1.0	Initial release.