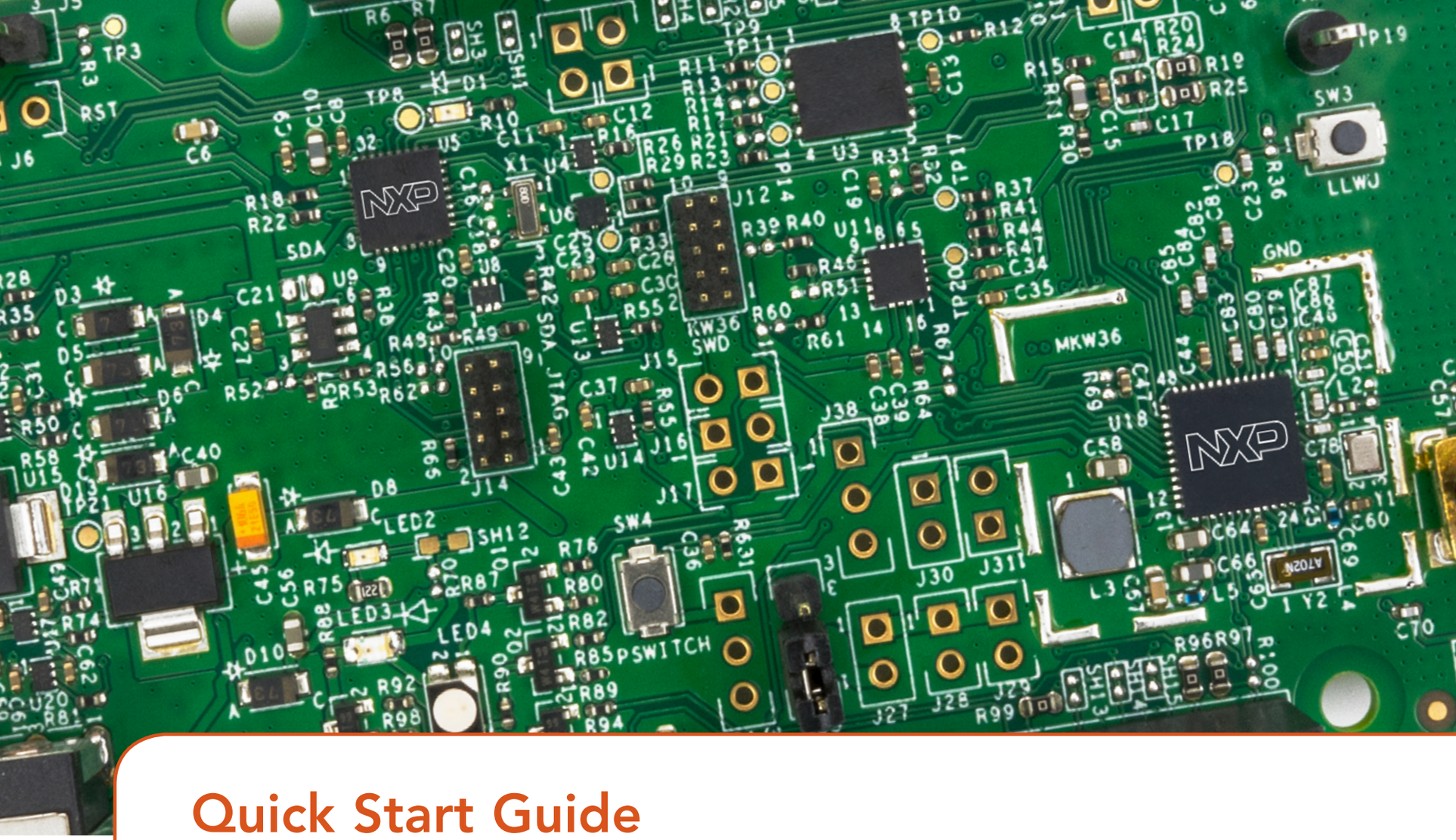



# Quick Start Guide

# FRDM-KW36

FREEDOM DEVELOPMENT PLATFORM

## GET TO KNOW THE FRDM-KW36

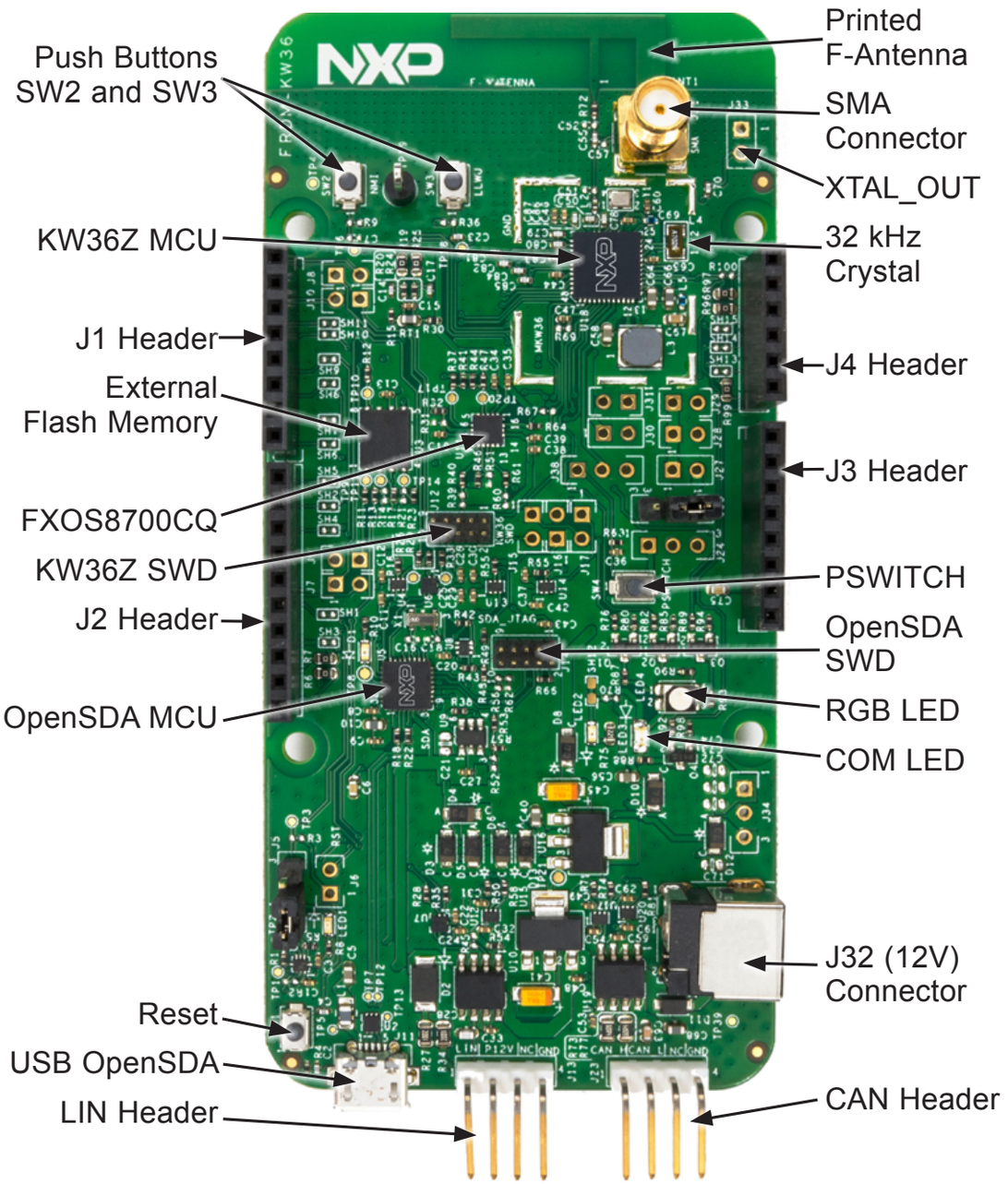



**Figure 1:** FRDM-KW36 Board Components

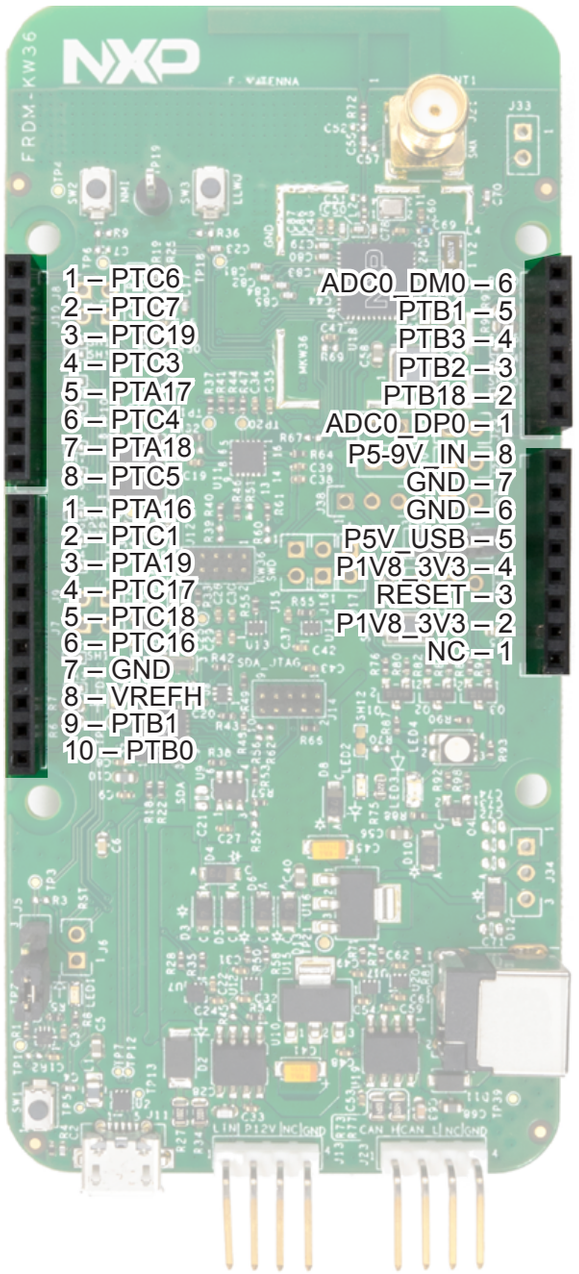
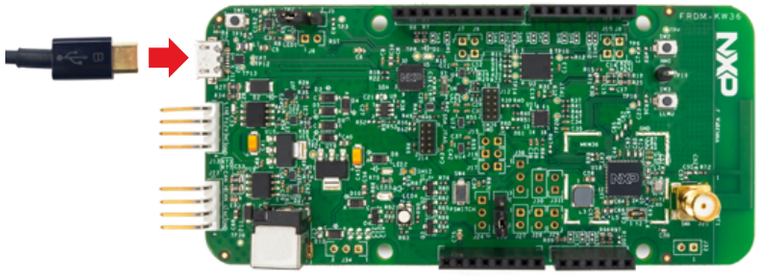



**Figure 2:** FRDM-KW36 Board Connections

# HOW TO GET STARTED

1. Connect the FRDM-KW36 board to a PC using the included micro-USB cable to the USB OpenSDA connector of the FRDM-KW36.



2. Your FRDM-KW36 RGB LED should start cycling through the colors White, Magenta, Blue, Cyan, Green, Yellow and Red when you connect the board.

3. Using a smartphone supporting Bluetooth® Low Energy (Bluetooth LE), install and open the **NXP IoT Toolbox** mobile application, available in Google Play or AppStore. Open the "Beacons" demo and the FRDM-KW36 Beacon will be displayed.




4. Explore more out-of-box demos and download software and tools at **www.nxp.com/FRDM-KW36/startnow**.

5. Enjoy your design freedom with the FRDM-KW36.

## SUPPORT

Visit **www.nxp.com/support** for a list of phone numbers within your region.

## WARRANTY

Visit **www.nxp.com/warranty** for complete warranty information.

## Get Started

Download installation software and documentation under **"Jump Start Your Design"** at **www.nxp.com/FRDM-KW36**.

The following information is provided per Article 10.8 of the Radio Equipment Directive 2014/53/EU:

(a) Frequency bands in which the equipment operates.

(b) The maximum RF power transmitted.

| PN | RF Technology | (a) Freq Ranges (EU) | (b) Max Transmitted Power |
|---|---|---|---|
| FRDM-KW36 | Bluetooth LE | 2360 MHz – 2483 MHz | 3.5 dBm |

**EUROPEAN DECLARATION OF CONFORMITY**
**(Simplified DoC per Article 10.9 of the Radio Equipment Directive 2014/53/EU)**

This apparatus, namely FRDM-KW36 Freedom Development Platform, conforms to the Radio Equipment Directive 2014/53/EU.

The full EU Declaration of Conformity for this apparatus can be found at this location:
**www.nxp.com/FRDM-KW36**

## www.nxp.com

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