Quick Start Guide

FRDM-KW41Z

FREEDOM DEVELOPMENT PLATFORM

GET TO KNOW THE FRDM-KW41Z
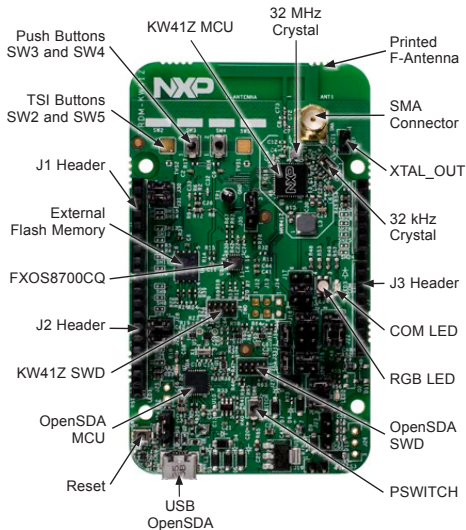
Push Buttons
SW3 and SW4

KW41Z MCU

32 MHz
Crystal

Printed
F-Antenna

TSI Buttons
SW2 and SW5

SMA
Connector

J1 Header

XTAL_OUT

External
Flash Memory

32 kHz
Crystal

FXOS8700CQ

J3 Header

J2 Header

COM LED

KW41Z SWD

RGB LED

OpenSDA
MCU

OpenSDA
SWD

Reset

PSWITCH

USB
OpenSDA

Figure 1: FRDM-KW41Z Board Components

1 — PTC6
2 — PTC7
3 — PTC19
4 — PTC16
5 — PTC4
6 — PTC17
7 — PTC18
8 — PTA1
1 — PTA0
2 — PTC1
3 — PTA19
4 — PTA16
5 — PTA17
6 — PTA18
7 — GND
8 — P3V3
9 — PTC3
10 — PTC2

ADC0 DP0 — 6
PTB1 — 5
PTB3 — 4
PTB2 — 3
PTB18 — 2
ADC0 DM0 — 1
P5:9V IN — 8
GND — 7
GND — 6
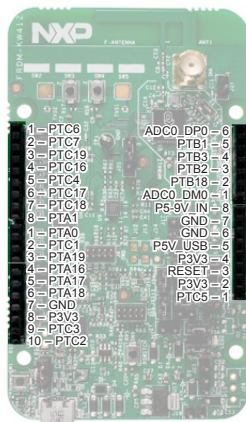P5V USB — 5
P3V3 — 4
RESET — 3
P3V3 — 2
PTC5 — 1

Figure 2: FRDM-KW41Z Board Connections

HOW TO GET STARTED

1. Connect the FRDM-KW41Z board to a PC using the included micro-USB cable to the USB OpenSDA connector of the FRDM-KW41Z.

2. Your FRDM-KW41Z RGB LED should start cycling through the colors Red, Green and Blue when you connect the board.

3. Explore more out-of-box demos and download software and tools on **www.nxp.com/FRDM-KW41Z/startnow**.

4. Enjoy your design freedom with the FRDM-KW41Z.

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-kw41z**.