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ALPS

UGMZ2AA
Bluetooth® Low Energy Module Development Kit

Introduction

To develop own firmware for ALPS UGMZ2AA Bluetooth® Low Energy module, the below described Development kit can be used

(1) Part number (P/N)

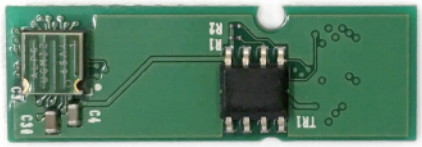
P/N: UGMZ2AA_EVK (With Antenna type Bluetooth® Low Energy)

(2) How this Kit to be used

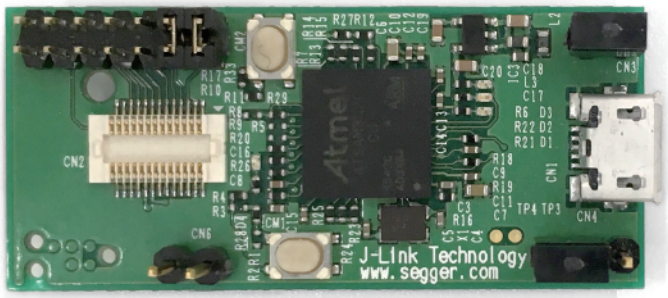
Just by connecting the main board to a PC with a USB cable, after installing the necessary software (see "Software Contents" below), each sample application/ Profile source code can be developed. Even though the UGMZ2AA module is based on OTP programing, as long as the F/W is stored into an embedded EEPROM temporally, even if the Main Board is removed from the host PC it can still be working.

(3) Hardware Components of this Kit

This kit contains the following hardware Components.



(Daughter Board)



(Main Board)

Daughter Board

An ALPS Bluetooth® Module "UGMZ2AA" (4.0/4.1Low Energy) is mounted on the board. I/O, reset, and power supply ports will be connected to Main board via connector. An EEPROM memory device (STMicro: M24M01) is also mounted on the board to store the firmware image temporally.

Main Board

Main functionality is to convert signals for USB-UART and USB-JTAG. The power supply for the daughter board is generated by the embedded LDO device. This borad will be connect in between the daughter board and the host PC.

(4) Required Software Components for firamware development

The following environment is required for the firmware development.

- Keil™ Vision Version 5 IDE tools with DA14580 peripherals
- Sample application/ Profile source code and SDK to be downloaded from the Dialog web site.
- OTP programming utility to be downloaded from the Dialog web site.
- Necessary documents to be downloaded from the Dialog web site.

For more information, please visit to URL (http://www.alps.com/e/common/inquiry_other.html)and make user registration.

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