ams TMD2712 ALS and Proximity Sensor Module User Guide

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Module User Guide

Quick Start Guide

QG000164

TMD2712

TMD2712 EVM

ALS and Proximity Sensor Module

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Contents

1 Out of the Box

For a detailed description of the TMD2712 ALS and Proximity Sensor Module Evaluation Kit, please refer to User Guide:

- UG000498

Each TMD2712 Evaluation Kit comes with the following components:
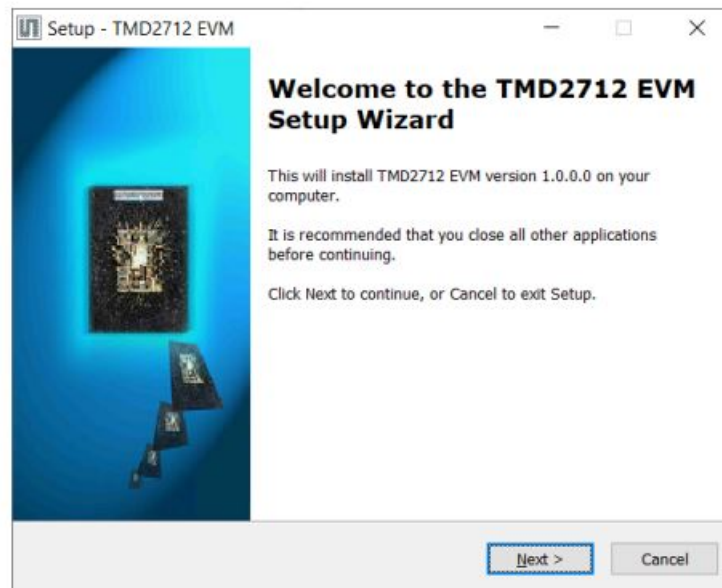
Figure 1: Evaluation Kit Contents

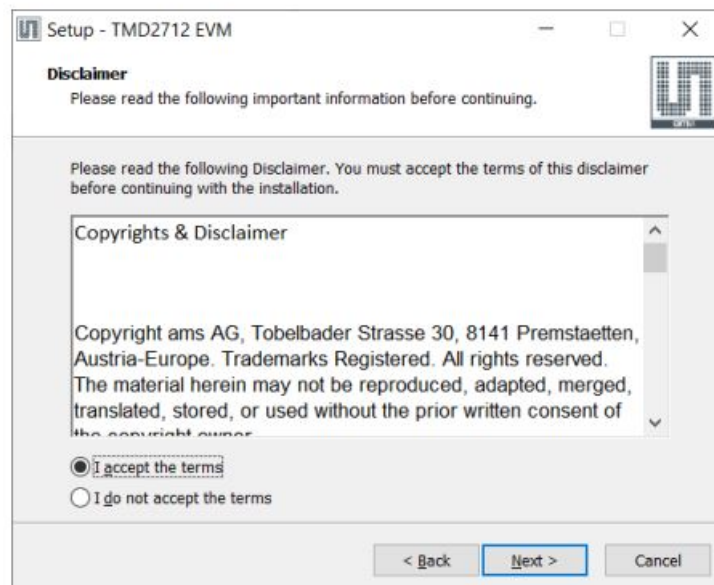| No.	Item	Description
1	TMD2712 Daughter Card	PCB with TMD2712 sensor installed
2	EVM Controller Board	Used to communicate USB to I2C
3	USB Cable (A to Mini-B)	Connects EVM controller to PC
4	Flash Drive	Includes application installer and documents

2 Software Installation

1. Plug the ams flash drive into an unused USB port
2. Double-click the Setup.exe file on the flash drive, or click Start > Run and type E:setup.exe and press Enter.
   IMPORTANT: Use the appropriate drive letter in the above command to install the software. Flash Drive will commonly be assigned the next available drive letter for example C: hard drive, D: CD-ROM, E: flash drive
3. The Setup Wizard will open and guide you through the installation of the TMD2712 host software, (Figure 2 through Figure 8)
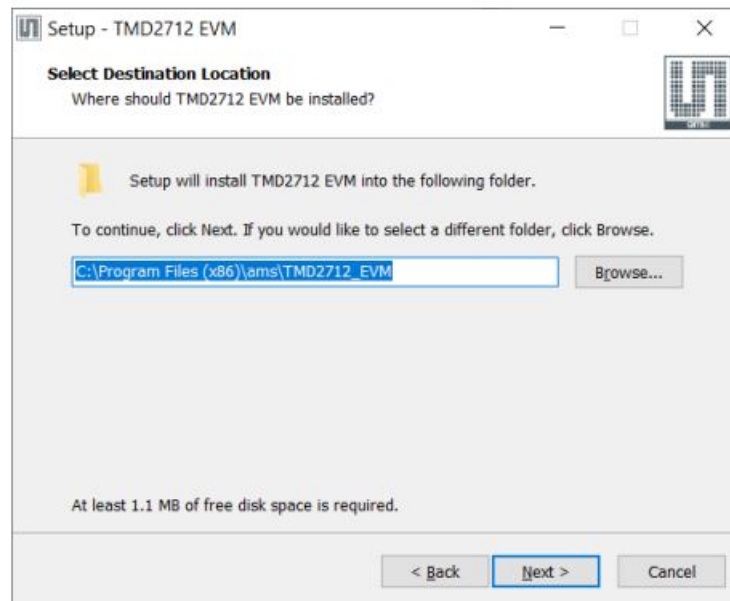4. At the end of the installation, click Finish to exit the setup.
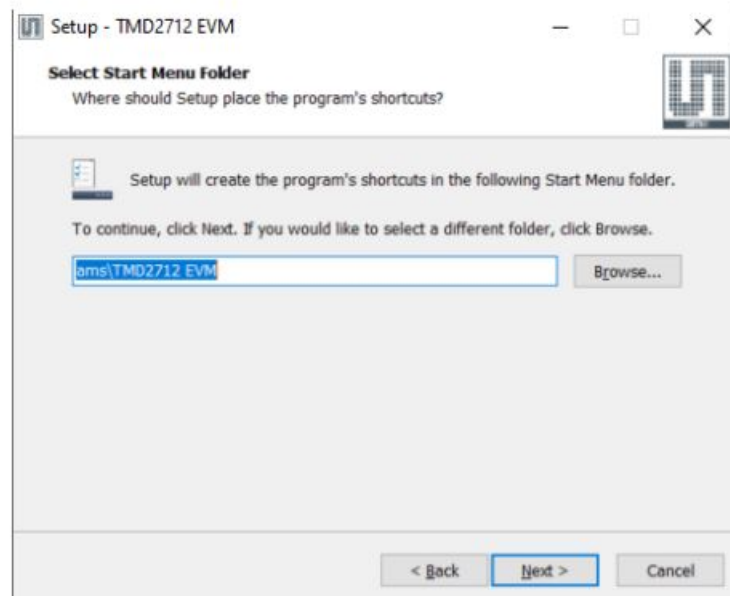
Figure 2:
Welcome Screen

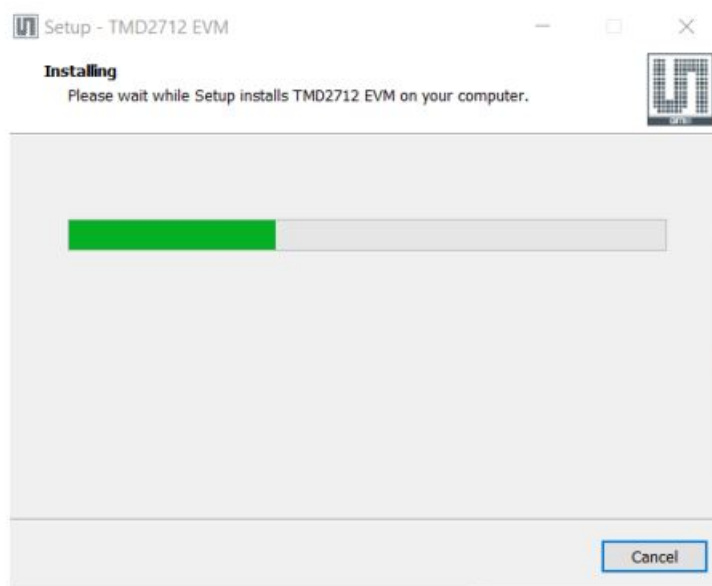**Figure 3:**
Liability Disclaimer

**Figure 4:
Select Installation Folder**
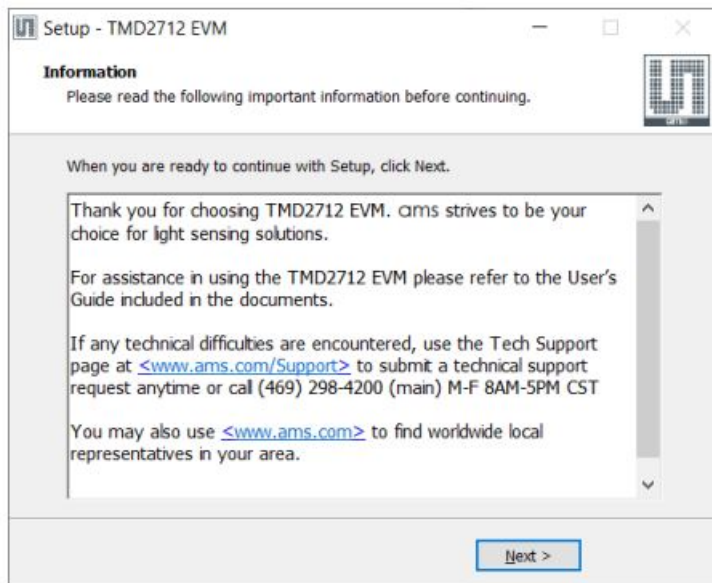

**Figure 5:
Select Start Menu Folder**

Figure 6:
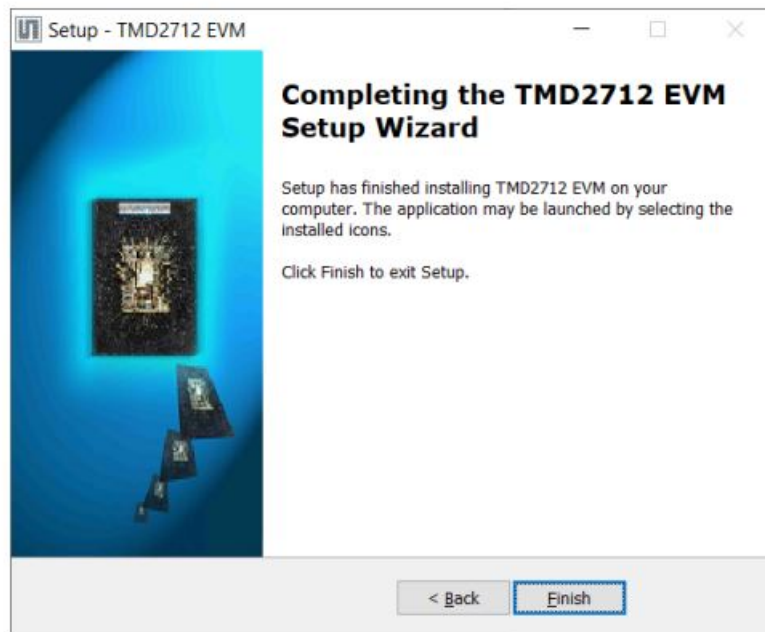## Installation in Progress

Figure 7:
Information Screen

Figure 8:
Installation Completed Successfully

3 Connect Hardware

Plug the TMD2712 Daughterboard into the Controller board (Figure 1). Always use ESD procedures when handling the EVM.

Using the enclosed USB cable, plug the mini-B connector into the EVM module. Using the other end of the cable, plug the USB A-connector into a USB port on the computer.

When the USB cable is connected, the green LED should flash momentarily on power up to indicate that power is being received via the USB interface, and the controller board processor is running. If the green LED does not flash, check the USB cable connections; unplug the USB cable and try again. If the green LED still does not flash, check the PC for USB error messages.

4 Start the Application

To start the application select ams > TMD2712 EVM > TMD2712 EVM on the All Programs menu. The default installation directory depending on the device and the operating system you are using is:
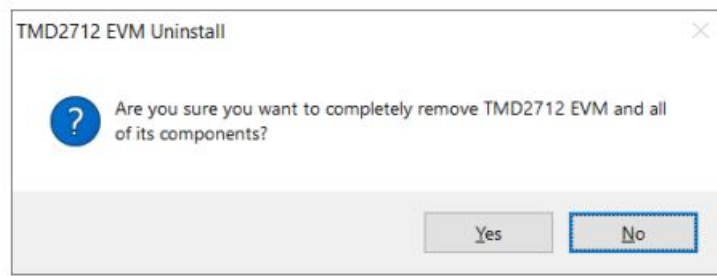
C:\Program FilesamsTMD2712_EVM (Windows 32 bit operating systems)
C:\Program Files (x86)amsTMD2712_EVM (Windows 64 bit operating systems)

A different install path may be selected by the user during the install (Figure 4). When started, the TMD2712 window will open on the PC and automatically connect to the hardware.

5 Uninstall Application

To remove the software from your computer (Figure 9), select ams > TMD2712 EVM > Uninstall TMD2712 EVM or use the Windows Control Panel.

Figure 9:
Remove Installation

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Manuals+,